



Social Transformation Through Dynamic Education

**BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR**

**SELF STUDY REPORT
(SSR)**

for the Accreditation
of

**Bharati Vidyapeeth's
College of Engineering, Kolhapur**

Submitted to

**National Assessment and Accreditation
Council (NAAC), Bangalore**

March 2017

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PREFACE

The great visionary Dr. Patangraoji Kadam, founder of Bharati Vidyapeeth has dreamt of world class University in India. With his vision he established Bharati Vidyapeeth in the year 1964 with a motto “Social Transformation through Dynamic Education”. Since then, Bharati Vidyapeeth has grown leaps and bounds with a strong impact in the field of education throughout the country. Presently, Bharati Vidyapeeth is a very large educational network having more than 181 institutes in various streams such as Engineering, Pharmacy, Law, Ayurveda, Management, Architecture, Homeopathy, Nursing and so on. It has its campus in Pune, New Delhi, Navi Mumbai, Solapur, Kolhapur, Sangli and also overseas.

Bharati Vidyapeeth's College of Engineering, Kolhapur was started in the year 2001, which is recognized by AICTE, New Delhi and affiliated to Shivaji University, Kolhapur. The institute hosts six disciplines of under graduate and three post graduate programme. The institute has state-of-art campus spread over 10 acres of land.

The students are given every opportunity to gain optimal advantage in terms of advanced technical knowledge, skills and research by sheer motivation through special training modules. The approach offers distinct aspects of intellectual growth and development of individual students as future engineers to suit the growing needs and aspirations of the nation in future.

Bharati Vidyapeeth College of Engineering, Kolhapur committed to provide a student centric atmosphere and our endeavor is to ensure the students to get the best of everything that is needed to create outstanding engineers.

The NAAC has developed quality measures for continuous improvement in the excellence of higher education. In the present report, we have tried our best to meet the measures laid down by the NAAC. The institute is pleased to present the Self Study Report (SSR) to the National Assessment and Accreditation Council, Bangalore.

It was impossible to complete this Self Study Report without the whole-hearted support and cooperation of entire team of Bharati Vidyapeeth's College of Engineering Kolhapur. Firstly, I wish to thank our founder Hon'ble Dr. Patangraoji Kadam, who has been a guiding force and motivating us to go ahead with accreditation process. I also wish to extend my thanks to Secretary Hon'ble Dr.

Vishwajeet Kadam, Vice-Chancellor of Bharati Vidyapeeth Deemed University Pune Hon'ble Dr. Shivajirao Kadam, Joint Secretary Principal Dr. K. D. Jadhav and Regional Director Dr. H. M. Kadam who extended all support to our team. The preparation of Self Assessment Report (SSR) is a team effort. I am indeed grateful to all hard-working faculties and supporting staff members.

I also thank all the Head of Departments and Administrative Officer for their support. Finally, we are looking forward to the visit by peer team and we believe that their valuable suggestions will enhance our quality.

Dr. Vijay R. Ghorpade
Principal

EXECUTIVE SUMMARY

Bharati Vidyapeeth is an organization with well defined ideological orientation and commitments. Social transformation in a desired direction is one of its cherished goals and it believes that education can be an effective prime mover for such social transformation. Founder and Chancellor of Bharati Vidyapeeth Hon'ble Dr. Pantangraoji Kadam has very aptly coined motto of Bharati Vidyapeeth as "Social Transformation through Dynamic Education. The conceptualization of dynamic education at Bharati Vidyapeeth is reflected in the innovative academic programmes and activities carried out in its institutions.

In a global economic scenario, which is constantly evolving as there is need to constantly reinvent and acquire the requisite competencies to stay ahead of the crowd. During the last 50 years, Bharati Vidyapeeth has made astonishing strides in the field of education, particularly higher and professional education. Today Bharati Vidyapeeth conducts more than 181 educational units of various forms, right from pre-primary schools to post-graduate institutions and fully fledged professional university (Bharati Vidyapeeth Deemed University, Pune).

Bharati Vidyapeeth's College of Engineering, Kolhapur was established in year 2001 by Bharati Vidyapeeth It is approved by AICTE, New Delhi & affiliated to Shivaji University, Kolhapur. The institute is committed to grooming future visionaries and leaders by imparting knowledge that has a blend of academics, practical training and overall personality development.

It is located at a distance of 8 km from the central bus stand, 4 km from the airport and 7 km from the Railway station. The campus is spread over 10 acres of land with a beautiful landscape along with other amenities. It has spacious buildings with ample scope for future development and expansion. Since the institute is located at the outskirts of Kolhapur city, it is completely pollution free and therefore provides a good teaching learning environment. The landscapes are beautifully maintained to refresh the mind of the students and teachers.

The institute offers six U.G. courses include Civil Engineering, Computer Science & Engineering, Electronics Engineering, Electronics & Telecommunication Engineering, Mechanical Engineering and Information Technology along with three P.G. courses include Computer Science & Engineering, Electronics &

Telecommunication Engineering and CAD/CAM/CAE. The institute provides a conducive learning environment for students to enhance their creative skills, utilize their potential in becoming capable engineer. Our strength lies in present picturesque environment, excellent infrastructure with qualified and experienced faculties, commitment to personal attention, motivation to excel in academic and extra-curricular activities for students and also continuous interaction with industries and outside world.

The Institute encourages its faculties to attend various seminars, conferences, workshops, faculty development programs, which strengthen continued growth through academic and professional development. It also promotes a culture of research among the faculty and students by conducting various research activities. The faculties are guiding students to do innovative research based projects.

The Institute provides infrastructure facilities such as Library with reading room, digital libraries free journal access to students and faculties, Canteen, Auditorium, Well equipped and furnished laboratories, Internet connection, Play ground, amenities to boys as well as girls.

The training placement cell of the institute is very active and it invites renowned companies from different fields to our college for placements. It works in order to groom students, industry ready through continues training programs on soft skills, technical training, industry visit and provide assistance in placement.

PROFILE OF THE INSTITUTE

1. Name and Address of the College:

Name:	Bharati Vidyapeeth's College of Engineering, Kolhapur	
Address:	Near Chitranagari, Kolhapur Near Chitranagari, Kolhapur – 416013	
City:	Kolhapur – Pin 416 013	State: Maharashtra
Website:	www.coekolhapur.bharatividyaapeeth.edu	

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. Vijay R. Ghorpade	O:0231-2638893 R:02162-234305	9657177171	0231-2636050	vijayghorpade@rediffmail.com
Steering Committee Co-ordinator	Dr. K R Desai	O:0231-2638893 R: 0231-2636261	9823390330		krdesai2013@gmail.com
Co-Co ordinator	Prof. Ms. J. K. Patil	O:0231-2638893	9850032933		jayamala.p@rediffmail.com

3. Status of the Institution:

- | | |
|--------------------------|-------------------------------------|
| i. Affiliated College | <input checked="" type="checkbox"/> |
| ii. Constituent College | <input type="checkbox"/> |
| iii. Any other (specify) | <input type="checkbox"/> |

4. Type of Institution:

a. By Gender

- | | |
|-------------------|-------------------------------------|
| i. For Men | <input type="checkbox"/> |
| ii. For Women | <input type="checkbox"/> |
| iii. Co-education | <input checked="" type="checkbox"/> |

b. By shift

- | | |
|--------------|-------------------------------------|
| i. Regular | <input checked="" type="checkbox"/> |
| ii. Day | <input type="checkbox"/> |
| iii. Evening | <input type="checkbox"/> |

5. Is it a recognized minority institution?

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

6. Source of funding:

Government	<input type="checkbox"/>
Grant-in-aid	<input type="checkbox"/>
Self-financing	<input checked="" type="checkbox"/>
Any other	<input type="checkbox"/>

7. a. Date of establishment of the college :-16.06.2001**b. University to which the college is affiliated /or which governs the college**

Shivaji University, Kolhapur

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	-	-----
ii. 12 (B)	-	-----

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC

(AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/ Department/ Programme	Day, Month and Year (dd-mm- yyyy)	Validity	Remarks
F-No. Western/1- 2816343073/2016/EOA	AICTE, New Delhi	05/05/2016	(1 Year) 2016-17	Renewed every year since 2001
PEC/2001/351/01/ Taashi1	DTE, Mumbai	06/07/2001	Since 2001	--
PEC 2001/351/01/Taashi1	Shivaji University, Kolhapur	02/04/2016	(1Year) 2016-17	Renewed every year since 2001

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes	√
No	

If yes, has the College applied for availing the autonomous status?

Yes	
No	√

9. Is the college recognized?

a. By UGC as a College with Potential for Excellence (CPE)?

Yes	
No	√

If yes, date of recognition: (dd/mm/yyyy)

b. For its performance by any other governmental agency?

Yes	
No	√

If yes, Name of the agency and Date of recognition: (dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location *	RURAL
Campus area in sq. mts.	40,468.6 Sq.M.
Built up area in sq. mts.	21,364.0 Sq.M.

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities √
- Sports facilities √
 - Play ground Yes
 - Swimming pool No

- Gymnasium Yes
- Hostel
 - Boys' hostel Yes
 - i. No of hostel in campus 1
 - ii. Number of inmates - 24
 - iii. No. of hostel with MOU's 3
 - iv. Number of inmates - 40
 - v. Facilities: Bed, Cupboard, Reading Table & Chair, TV, Hot Water facility etc.,
 - Girls' hostel
 - i. No. of hostel with MOU's 03
 - ii. Number of inmates: 66
 - iii. Facilities: Bed, Reading Table & Chair, TV, Hot Water facility etc.,
 - Working women's hostel No
 - i. Number of inmates: ----
 - ii. Facilities: ----
- Residential facilities for teaching and non-teaching staff (give numbers available - cadre wise): Nil
 - Cafeteria - Yes
 - Health centre- Yes

Facilities: First aid, Emergency care facility, Ambulance Facility

- Health care centre staff –

Qualified doctor	Full time	-	Part-time	√
Qualified Nurse	Full time	-	Part-time	√

Facilities like banking, post office, book shops: NA

- Transport facilities to cater to the needs of students and staff: Yes (City Bus)
- Animal house: N.A.
- Biological waste disposal: Yes
- Generator or other facility for management/regulation of electricity and voltage: Yes
- Solid waste management facility: Yes
- Waste water management: Yes
- Water harvesting: NO.

12. Details of programmes offered by the college (Give data for current academic year)

Sr. No	Programme Level	Name of the Programme / Course	Duration	Entry Qualification	Medium of instruction	Sanctioned Student Strength	No. of students admitted
1	Undergraduate (FE)	CSE	4 years	10+2 Science and JEE	English	60+3*	35+3*
		ETC				90+5*	22+5
		MECH				120+6*	44+6*
		CIVIL				60+3*	30+3*
2	Undergraduate (DIRECT SE)	CSE	3 years	Diploma in relevant branch	English	45	45
		ETC				120	74
		MECH				89	89
		CIVIL				45	45
3	Postgraduate	ETC	2Years	B.Tech/B.E.	English	18	02
		CSE				18	03
		CAD/CAM/CAE				18	03

*TFWS Seat

13. Does the college offer self-financed Programmes?

Yes

No

If yes, how many? [2] B.E. & M.E.

14. New programmes introduced in the college during the last five years if any?

Programme Name	Course	Year
Civil Engineering	UG	2011-12
Electronics & Telecommunication Engineering	PG	2011-12
Computer Science & Engineering	PG	2014-15
Mechanical- CAD/CAM/CAE	PG	2014-15

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Particulars	UG	PG	Research
Engineering	Computer Science and Engineering	Electronics and Telecommunication Engineering	-----
	Electronics & Telecommunication Engineering	CAD /CAM / CAE	
	Mechanical Engineering	Computer Science and Engineering	
	Civil Engineering		

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, and M.Com...)

annual system

✓ semester system

trimester system

17. Number of Programmes with

a. Choice Based Credit System [Nil]

b. Inter/Multidisciplinary Approach [Nil]

c. Any other (specify and provide details) [Nil]

18. Does the college offer UG and/or PG programmes in Teacher Education?Yes No **19. Does the college offer UG or PG programme in Physical Education?**Yes No **20. Number of teaching and non-teaching positions in the Institution:**

Positions	Teaching faculty						Non-teaching Staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC / University / State Government Recruited	01	00	01	01	34	06	--	--	--	--
Yet to recruit	--	--	--	--	--	--	--	--	--	--
Sanctioned by the Management/society or other authorized bodies Recruited	01	--	--	--	29	10	66	03	20	01
Yet to recruit	--	--	--	--	--	--	--	--	--	--

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	02	--	--	--	02	-	04
M.Phil	--	--	--	--	-	01	01

PG	--	--	01	01	31	05	38
Temporary Teachers							
Ph.D.	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	29	10	39
Part-time Teachers							
Ph.D.	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	01	01
PG	--	--	--	--	01	02	03

22. Number of Visiting Faculty /Guest Faculty engaged with the College. 04

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2016-17		2015-16		2014-15		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	101	59	108	59	121	63	112	57
ST	0	0	0	0	1	0	0	1
OBC	290	107	305	117	207	80	221	97
General	636	378	742	472	863	479	872	508
Others/OC	16	13	14	21	148	86	196	74

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil	Ph.D.	Total
Students from the same state where the college is located	1555	32	Nil	Nil	1587
Students from other states of India	13	0	Nil	Nil	13
NRI students	0	0	Nil	Nil	0
Foreign students	0	0	Nil	Nil	0
Total	1568	32	Nil	Nil	1600

25. Dropout rate in UG and PG (average of the last two batches)

U.G. 2014-15	1.46 %	PG – 2013-14 - Nil
U.G. 2015-16	1.03 %	PG – 2014-15 - Nil

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component: **Rs.78,137/-**

(b) Excluding the salary component: **Rs.39,591/-**

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No

If yes,

a) Is it a registered centre for offering distance education programmes of another University

Yes No

Name of the University which has granted such registration: NA

b) Number of programmes offered: NA**c) Programmes carry the recognition of the Distance Education Council.**

Yes NA

d) Programmes carry the recognition of the Distance Education Council.

Yes No

28. Provide Teacher-student ratio for each of the programme /course offered:

Teacher-Student Ratio: 1: 15

Sr. No.	Programme Level	Name of the Programme/ Course	Sanctioned/ approved student strength	Duration	Approved No of Students	Teacher student ratio
1	U.G.	Electronics & Telecommunication Engineering	90	4 Year	360	1:16
		Computer Science & Engineering	60	4 Year	240	1:15
		Mechanical Engineering	120	4 Year	420	1:21
		Civil Engineering	60	4 Year	240	1:18
2	P.G.	Electronics & telecommunication engineering	18	2 Year	36	1:3
		CAD/CAM/CAE	18	2 Year	36	1:3
		Computer science & Engineering	18	2 Year	36	1:8

29. Is the college applying for Accreditation:

Cycle 1 Cycle 2

Cycle 3 Cycle 4

Re-Assessment:(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to reaccreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only) -

Not applicable

31. Number of working days during the last academic year.

240

32. Number of teaching days during the last academic year

203

(Teaching days means days on which lectures were engaged excluding the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC: 21/06/2013

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC. - Not Applicable

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory / descriptive information):

- Ms. Karishma Jadhav selected for All India Judo Competition held at Jalandar, Punjab
- Miss. Dambe Mrudula, student has been selected for National Republic Day parade at New Delhi.
- Cultural team of the college won Kalashri Karandak 2015, also won in folk dance at central youth festival. Akshata Patil, Ajinkya Apke, Tejaswini Devane were selected in University team.
- Cultural team of the college won 3rd Prize in Purshottam Karandak 2015.
- Every year our students stood in university merit list.
- In order to maintain the peace and harmony, various value added seminars and workshops are regularly conducted.

CRITERION – I: CURRICULAR ASPECTS**1.1 Curriculum Planning and Implementation**

1.1.1 State the vision, mission and objectives of the institution and describe how these are communicated to the students, teachers, staff and other stakeholders.

VISION**“Social Transformation Through Dynamic Education”**

To be recognized as leaders in engineering education and explore innovative learning opportunities for application of knowledge to benefit society.

MISSION

- To be amongst one of the premier institute of engineering.
- To prepare students for professional career and advance studies in the field of engineering.
- To impart quality education and disseminate global issue to students for serving the society.
- To create a technological savvy campus and provide industry-centric education.

OBJECTIVES

- To meet current industry demands for professionals.
- To provide employment and advance education opportunities in emerging areas.
- To build and promote team of experts in the upcoming specializations.
- To keep faculty members updated with the latest developments in technology and teaching methodologies.
- To start PG courses in engineering for different programs.

Communication with Students, Teachers and another stakeholder:

The following criterion is followed to communicate the vision, mission and objectives of the institute to the stakeholders:

- The vision, mission and objectives of the institute are displayed at all prominent places in the institute as well as in all departments.
- It is communicated to the students through institute brochure, Newsletter, Magazines.
- The vision and mission statement of the institute is also placed on the institute website.
- Conveyed during various students and faculty orientation Programme.
- Stated during First Year Induction Programme.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

- The Internal quality assurance cell (IQAC) of the college conducts frequent meetings with the Heads of the departments and staff members to come out with various strategies for effective implementation of the curriculum.
- We follow the academic calendar provided by the University and at the start of each semester, Principal organizes a meeting with the Heads of the Department and Student representatives to plan Academic Calendar of the institute.
- The Heads of the Departments allocate the teaching work in the next semester, according to the choices of the faculty. Prior to the start of the semester, faculty members prepare their course files of lesson plans, practical and tutorial plans which are recorded in the academic diary.
- The lesson plans are displayed for student's reference.
- The academic diary including the academic calendar is issued to every faculty member.
- As per the scheduled date internal tests for students like Unit Test-1 and Unit Test -2 are conducted in each semester.

- For the weaker category of students, remedial classes are conducted for different subjects.
- Faculty members of various departments are encouraged to transfer the curriculum through innovative teaching methods such as presentations, assignments, discussions and also arranging workshops, seminars, industrial visits apart from regular/traditional teaching methods.
- Every faculty member is assigned a group of students for mentoring every year. The faculty mentors conduct meeting with the mentees and record their suggestions, requirements and difficulties to take necessary actions related to curriculum implementation. The record is used to monitor the progress of the students.
- Feedback is taken from the students and faculties regarding course content for effective implementation of the curriculum through the effective use of mind and skills. The curriculum is applied in a systematic manner as per the prescribed syllabus through the following activities:



Fig.1.1 Deployment of Curriculum

1.1.3 What type of support (procedural and practical) do the teachers receive? (From the University and/or institution) for effectively translating the curriculum and improving teaching practices?

- The faculty members use modern teaching aids such as Multimedia Projectors, LCD, OHP, NPTEL video lectures and video films for conducting classes more effectively.
- Institute supports the faculty members for participating in various Faculty Development Programs, Workshops, Seminars, and Conferences to enrich their knowledge.
- Internet facility is available throughout the campus for better teaching, learning process.
- The department also conducts workshops /courses on latest topics and encourages the faculty to participate in those workshops.
- Academic leave is granted to all those faculties attending workshops/seminars.
- Many innovative and orientation programs are conducted in the institution to improve the skills of the faculty.
- Faculty development programmes (FDP) are conducted by every department.
- The central library and departmental library provides text book, reference books and other reference material like Journals, Magazines, Teaching Models and Software to enable the faculty to ensure effective delivery of curriculum. Digital libraries, E-learning facilities are provided to all the faculty members of the Institute which help them in effective teaching.
- The advanced laboratories are set up in the institute and latest equipment is procured in various labs of the departments to promote research among the faculty members and also to strengthen the curriculum delivery by way of conducting practical's.
- The Faculty members are encouraged to undergoing for Ph. D., Research and Development work.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- The faculty members design suitable experiments to conduct in the laboratory, related to the curricular subjects to make the students understand the concepts easily.
- The workload distribution for every semester is done in advance before the start of next semester based on faculty competency matrix, qualifications, expertise, teaching experience, result analysis and feedback of students for a course taught by the faculty.
- Additional lectures are arranged for slow learners as well as for the students participating co-curricular and extracurricular activities. The students admitted directly to the second year who do not get the opportunity to attend classes due to late admission are offered extra classes and practical sessions to make up for the losses due to late admissions.
- Wired lease line and wireless lease line internet facilities are provided for the students.
- Every department provides the mentoring schemes for students from FE, SE, TE and BE as guardian faculty member.
- The book bank facilities are provided to the students from the central library. Apart from this, all department offers departmental library facility for students.
- The department conduct workshops on latest technologies related to the curricular subjects by inviting the industrial expert.
- Industrial visits to nearby industries are arranged to provide practical exposure to the students on the subjects of the curriculum.
- The students are sent to various industries for taking the industrial training on particular subjects, and are also provided professional training.
- Sending the students to participate in the various technical events and guide them as per their interest.
- The remedial classes are conducted for the students who lag in their studies.
- Students are also promoted to give presentations on specific topics of the subjects to motivate themselves.
- On various subjects, institute organises expert lectures by inviting faculty from various fields to share their knowledge and experience.

1.1.5 How does the institution network and interact with beneficiaries such as Industry, research bodies and the university in effective operationalisation of the curriculum?

- Workshops/lectures are arranged by tie up with the industries/research organizations on the latest curricular subjects.
- The final year projects are sponsored and supported by industry.
- The department takes the help of Alumni Association and Training and Placement cell to interact with the representatives of industry.
- Institute has sign MOU'S with the industries so that students as well as faculties, get benefit of understanding actual working methods of the various industries.
- Students are sent to various Industries (under MOU's signed) to bridge their gap of theoretical knowledge with practical implementation.
- Experts from industry work as an evaluator, judge for project viva-voce and invited in technical activities organized by the institute.
- Third year students go under industrial vocational in plant training, attend industrial visits for various subject and also visit to industrial expo.
- Faculties and Professors from renowned institutions and research organizations are regularly invited to enlighten the students on relevant topics within and beyond the syllabus.
- Students participate in different symposium, workshops, seminars, conferences. Through these programs, students are empowered to meet the recent market challenges.
- Feedback is taken from the industry, college alumni association, guardians and other stakeholders for obtaining their views and information on the same.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

As an affiliated Institute we are bound by the curriculum designed and deployed by the Shivaji University. Faculty from various departments of the

institute has worked as members of Board of Studies (BOS). Specific suggestions received from different stakeholders and students are analysed and conveyed to the university to consider the same in their Board of Studies meetings. Faculty members attend the Syllabus revision meetings at University level. In theoretical subjects, additional concepts are added and they are explained in a detailed manner to clarify the basics to the students. Following faculty members from various departments of the Institute have contributed in the Curriculum Development at University level.

Table No.1.1: List of Member of BOS

Sr. No.	Name of the Faculty	Department	Contribution in	
			Home University	Other University
1	Dr.V.R. Ghorpade	Computer Science & Engineering	Chairman, Board of Studies, Computer Science & Engineering, Shivaji University	Academic Council Member, Government College of Engg., Karad Academic Council Member, Rajarambapu Institute of Technology, Islampur

1.1.7 Does the institution develop curriculum for any of the courses offered (Other than those under the purview of the affiliating university) by it? If 'yes', give details on the process (Needs Assessment, design, development and planning) and the courses for which the curriculum has been developed.

- No

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

The institution has formed communication channels among all the stakeholders to ensure that objectives of the curriculum are achieved in the course of implementation. The achievements of stated objectives of the curriculum are ensured by:

- All the faculty members of the institution follow the lesson plan for the successful completion of the syllabus.
- Handouts on classes are arranged for the students according to the University curriculum.
- The faculty members are required to fill in the continuous academic diary in every semester, which is evaluated by the head of the department.

- Two internal assessment tests are conducted in a semester for each course. Every practical is evaluated after completion of experiment.

- At the end of semester internal oral/practical examinations are conducted.

It is observed that by the implementation of the above methodologies, the University specified objectives for the curriculum is met as stated below:

- Most of the students achieve good marks in their respective examinations and acquire a notable position in highly competitive job market.
- Students of our institution achieve success in various inter-college and intra-college competitions.
- Our Alumni's are securing top positions in different organizations both in academic and corporate.
- Taking exit feedback from outgoing students on the curriculum and its implementation.
- Feedback system- At the end of each semester, there is a provision of an online feedback system, where the students evaluate their teachers on the basis of a certain criterion which is available on the feedback form.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

Apart from the programs affiliated with Shivaji University the college also offers skill development courses which basically serve the purpose of the value addition.

Table No.1.2: Skill development courses

Sr. No.	Titles	Target students	Dates	Recourse person
1	Entrepreneurship awareness camp in collaboration with MCED	All T.E and B.E Students	16/2/2017 to 18/2/2017	Dr. Shaban Memon BVCOM, KOP Mr. Sanjay Patil Mr. Shamrao Kapase Mr. Ravindra Khair
2	Seminar on "Big Data and Hadoop"	T.E. and B.E. IT	07/03/2017	Prof. A. S. Patil KIT COE, Kolhapur
3	ISTE approved one week STTP on Recent Trends in Advanced Communication and Embedded Systems	T.E. and B.E. Students ETC	24/12/2016to 29/12/ 2016	Dr.M.K. Bhanarkar Shivaji University Kolhapur Dr.M.S. Kumbhar RIT, Sakhrle Prof.P.B.Desai AMGOI, Wathar

4	Seminar on Automization	All T.E. and B.E. Students	February 2016	Vinit Kulkarni EIE Projects India, Pune
5	Seminar on "Android Technology"	S.E,T.E,B.E CSE	11/08/2016	Mr. Ashok Ghatage Earth Logicware Tech., Kolhapur
6	Workshop On PCB Design	All T.E. and B.E. Students	February 2016	Mr.Umesh Kshirsagar
7	Entrepreneurship awareness camp in collaboration with MCED	All T.E and B.E Students	3/3/2016 to 5/3/2016	Dr. Shaban Memon BVCOM, KOP Mr. Ashok Pattar Mr. Shamrao Kapase Mr. Ravindra Khair
8	FDP on ANSYS – analysis software	B.E and PG Students Mechanical	29/01/2015to 30/01/2015	Mr.S. M.Pise (Asso. Prof.) KITCOEK Mr. Pranav Abhyankar (Director Abhyankar consultancy)
9	Entrepreneurship awareness camp in collaboration with MCED	All T.E. and B.E. Students	26/2/2015 to 28/02/2015	Dr. Shaban Memo BVCOM, KOP Mr. Ashok Pattar Mr. Shamrao Kapase Mr. Ravindra Khair
10	STTP on "Recent Trends in Advanced Network Systems and Image Processing"	T.E, B.E ETC	6/01/2015 to 10/01/ 2015	Mr. Santosh Mahagaonkar Mr. Sachin Ruikar
11	One Day Workshop on RF and Microwave	All T.E. and B.E. Students	16/07/2014	Techno Field Solution
12	Workshop on "Latex"	S.E,T.E,B.E	23/03/2013	Mr. Yamin Hakim Alumni IT Dept. BVCOE Kolhapur
13	"Recent Trends in Computer Science and Engineering and Information Technology"	All T.E. and B.E students of CSE	19/08/2013 and 20/08/2013	Padmashri Shri. Shivram Bhoje, Retired Scientist, ISRO
14	Seminar on "Android Technology"	T.E, B.E IT and CSE	6/09/2013	Mr. Ajinkya Dixit, Mr. Aditya Joshi

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

No

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond: Range of Core/Elective options offered by the University and those opted by the college. Choice Based Credit System and range of subject options. Courses offered in modular form Credit transfer and accumulation facility Lateral and vertical mobility within and across Programs and courses, Enrichment courses.

- **The range of subject options:**

As per university curriculum, elective Subjects are offered to the students.

- **Choice Based Credit System and range of subject options:**

Not applicable

- **Credit transfer and accumulation facility:**

Not applicable

- **Lateral and vertical mobility within and across Programs and courses**

At the end of the first year, students can opt for a change in a branch of study provided that there is a vacancy available in that branch. This is possible because the syllabus for the first year of engineering degree is common for all branches.

- **Enrichment Courses Offered:**

The basic aim of enrichment courses is to enhance the various skill sets of students. These courses help the students to gain practical knowledge, improve confidence and develop overall personality which ultimately creates potential for employability. Depending on the skills needed for employability and for successful professional career, each department offers tailor made courses to enrich student's knowledge.

- Entrepreneurship Development Programmes (EDC) is organized in collaboration with Maharashtra Centre for Entrepreneurship Development MCED for all third and final year students every year.

- STAAD Pro workshop organized for civil department students.

- Workshops on CATIA, ANSYS are organized by Mechanical Department for final year students in collaboration with professional training institutes.

- Seminar on PLC, SCADA system and Atomization are organized with expert faculties and industrial experts by Electronics and Telecommunication Engineering department.
- Embedded system workshops are organized by Electronics Engineering department for third year and final year students.
- Enrichment of courses can be achieved by providing training to the faculty members through the courses on various areas like STTP and FDP programmes.

Progression to higher studies:

- Every year college organizes a seminar on the preparation of GATE, GRE, and TOFEL.
- Institute also organizes an expert talk on opportunities of Higher Studies in Abroad.

Improved potential for employability:

- To improve the potential for employability, the college is arranging systematic and continuous pre-placement training programmes and frequent mock tests to the students from a pre-final year onwards by expert trainers from external training agencies.
- The institute arranges tests by external agencies and provides the platform for placements in reputed companies through these tests.

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

The college offers the following programs. All the programs offered by the college are self-financed only. All these programs are approved by the AICTE, New Delhi and affiliated to Shivaji University, Kolhapur.

Name of the Self Financed Programs:**Table No.1.3: List of Self Financed Programs UG**

Sr. No.	Department	Programmes offered	Level UG/PG	Intake
1	Electronics and Telecommunication Engineering	B.E	UG	90
2	Computer Science and Engineering	B.E	UG	60
3	Mechanical Engineering	B.E	UG	120
4	Civil Engineering	B.E	UG	60
5	Electronics Engineering	B.E	UG	60

Table No.1.4: List of Self Financed Programs PG

Sr. No.	Department	Programmes Offered	Levels	Intake
1	Electronics and Telecommunication Engineering	M.E (Electronics and Telecommunication Engineering)	PG	18
2	Computer Science and Engineering	M.E. (Computer Science and Engineering)	PG	18
3	Mechanical Engineering	M.E. (CAD/CAM/CAE)	PG	18

- Admissions to all UG and PG Programs are conducted according to Director of Technical Education (DTE) rules. The details of which are available at www.dte.org.in.
- Curriculum for each Program is designed by the Board of Studies of the related branch, Shivaji University, Kolhapur according to the university norms. (Details are available at www.unishivaji.ac.in)
- The tuition fee is charged as prescribed by the SHIKSHAN SHULK SAMITI, Maharashtra State and Shivaji University rules and is subject to revision. Details are available on www.sssamiti.org.
- The institution has appointed well qualified, experienced faculty members who possess good subject knowledge.
- Salary is deposited in saving bank accounts of employees.

1.2.5 Does the college provide additional skill oriented programmers, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

Yes,

Institutes Faculty and students arrange some of workshops/Seminar/training for students other than institution and for society. Some of them are as follows:-

Table No.1.5: List of Workshops/Seminars/trainings

Sr. No.	Name of Activity	Beneficiaries
1	Career Guidance and awareness of CET Exam for 12 th Standard students Every Year	3000 Students from various Junior Science Colleges
2	Mock CET test is conducted in 2015-16 for 12 th Standard Students	4000 Students from various Junior Science Colleges
3	Cash less India Seminar and workshop	500 Rural Students and Villagers from "Kasaba Sangao" Village.
4	Various Seminars are been delivered by B.E CSE students and Faculties under community services subject	Various High school/Junior colleges

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/comboination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?

No

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

Efforts are made by the institute to supplement the University's Curriculum and ensure that the academic programmes, Institution goals and objectives are integrated.

- We follow the curriculum prescribed by the Shivaji University thoroughly that helps to fulfill our institutional goals.
- Along with the prescribed one, we deliver some special lectures apart from the curriculum.

- Guest lecturers are invited for sharing expert's knowledge on specific domains.
- Students and teachers both are inspired to attend a refresher course, seminars which help them to enrich their knowledge.
- Students are sent to industry for summer camps, projects etc.
- Seminars, Workshops are organized beyond Syllabus, classes are regularly conducted on emerging fields.
- The College arranges the lectures on Spoken English to enhance good communication skills among students.
- Educational tours/Industrial tours are organized to develop interpersonal relationships and to create awareness about the rich heritage and culture of our country.
- Departments arrange National Conference on "Emerging Trends in Engineering and Technology" in fields of engineering where students get a lot of exposure to the happening of the state of art research from distinguished academic or persons from industry. Institute organizes national level paper presentation competition since 2010 till date. Students and faculty members organizes this event.
- N.S.S. is an additional facility which inculcates the social responsibilities and community orientation amongst the students.
- Institute organizes technical festival every year in which innovative competitions are conducted for the students in the region.
- The Library is well stocked with books, journals, back volumes, e-books and e-journals.

1.3.2 What are the efforts made by the institution to modify, enrich an organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

- The college sign MOU's with industries to give the students full scenario of the industry working methodology and to grab the knowledge from the vocational training in same industries.
- The training and placement cells of our college make communications with the HRs of the reputed organizations to collect the updated

information about the recent market trends and corporate expectation so that students can be moulded according to the need.

- The training and placement cells of our institute conduct pre-placement training activities such as personality development, communication skills, Aptitude, Soft skills with the help of external agencies / trainers.
- Every department motivates students for Higher Education in India and Abroad by counseling, conducting seminars and workshops.
- Institute offer guidance about competitive examinations such as GRE, TOEFL, GMAT, IELTS, GATE, CAT and CET.
- Institute provides guidance about foreign universities, programmes, cost of study, cost of living, Passport and Visa by arranging guidance seminar.
- Entrepreneurship Development Cell (EDC) was established by institution aiming to support techno-crafts and entrepreneurs. EDC is acting as a tool to promote entrepreneurship and self-employment amongst technical students as an attractive and viable career option. Also aims to develop the skills required for being an Entrepreneur.

1.3.3 Enumerate the efforts made by the institution to integrate the cross-cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

- Subjects on Environment are introduced in the curriculum to create awareness on environmental issues among the student community. The Institute has appointed separate faculty to conduct this course.
- Students are actively involved in various activities like Tree plantation, Public awareness during Ganesh festival (particularly for immersion of Ganesh idol and solid waste in river water, reduction of noise levels during the festival). These activities are conducted through various student organizations in the Institute. The Programs like no vehicle day is also arranged in Institute.
- Gender Equality is one of the important issues in today's world. Equal opportunity is given to the girls along with the boys in various committees.
- Many Programs are conducted and organized by the girls along with boys. Internal Complaints Committee (formerly Vishakha Committee) is formed

as per the direction of central government. The Programs like women empowerment, celebration of “Women’s Day” are conducted at the Institute level.

- Anti Ragging committee is also effectively working in the Institute. The Institute has formed an anti-ragging committee comprising of mixed gender which includes the principal, faculty members, and physical education trainer.
- The complaints from the students in this regards from Institute and hostel campus are duly attended and accordingly improvement actions are made.
- The Project group consists of girls and boys with equal participation. Technical resources are equally shared to boys and girls.
- Girls and boys participate equally in various co-curricular activities such as paper presentations, an organization of paper contests, group discussions, technical quiz programmes, etc. Both boys and girls are made members of various academic, co-curricular and extracurricular activities.
- Annual Social Gathering is organized every year in which the various events and programmes are equally coordinated and organized by girls and boys along with the guidance and monitoring of the respective faculty members.
- Awareness workshops are conducted on human rights, climate change and gender equivalence.
- The NPTEL Video lectures, Web pages are available for all students of institute.
- Scholarship scheme for needy students is introduced by the institution for all departments.
- The NSS unit of the college organizes “Save Girl” rally, road safety programme, and lecture on Sexual Harassment Prevention in college and in a nearby village.
- The NSS unit of the college organizes clean and green programs in nearby villages to bring awareness among general public and also take their assistance in tree plantation and keeping surroundings clean.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

1. Moral and ethical values:

- Special lectures are arranged by renowned persons to instil moral and ethical values among students and faculty members.
- Efforts are made to improve emotional and spiritual quotient among the students and faculty members along with intelligent quotient

Table No.1.6: List of Stress Management Programmes

Sr. No	Title	Dates	Resource Persons
1	Counseling Cell	07/03/2017	Dr. Mrs. Shubhada Diwan
2	Stress management	04/02/2017	Dr. Anima Dahibhate
3	World Heart Day and Stress Management	29/09/2016	Dr. Ashok Bhupali Apple Sarswati Hospital
4	Stress Management and Positive Thinking	06/07/2015	Dr. Anima Dahibhate
5	DHRUVA Workshop	19/01/2015	DHRUVA Club Member
6	DHRUVA Workshop	23/08/2014 24/08/2014	Mr. Sanatan Goswami Mr. Prashant Paymal, Mrs. Aparna Kulkarni
7	Prevention of Ragging	24/08/2014	Dr. Mrs. Mangala Patil
8	Personality Development	06/09/2013	Miss. Sneha Pai Finesse Academy

2. Employable and life skills

- To increase the employability of the students, there are several value-added workshops and activities organized by the Institute. Details are listed as below

Table No.1.7: List of Employable and life skills programmes

Sr. No.	Activities	Date	Resource Person
1	Lead College Training	21/03/2017 22/03/2017	O2 Breathing Brains Miraj
2	Lead College Training	15/09/2016	O2 Breathing Brains Miraj
3	TCS mock test	30/09/2016	FACE ACADEMY
4	Barclays Technical Training Program	26/9/2016 to 1/10/2016	Global Talent Track Pune
5	Careers in Computer Networking	05/08/2016	Jet King Networking Institute Kolhapur

6	Seminar on Aptitude Logic	20/07/2015 to 25/07/2015	SEED INFOTECH. Pune
7	Seminar on soft skill development	5/01/2015 to 10/01/2015	SEED INFOTECH. Pune
8	Seminar on Personality Development	24/09/2015	Shri. S.M. Nerli
9	Two Weeks Training Program on 'Campus Recruitment'	23/07/2015 to 28/07/2015 01/08/2015 to 06/08/2015	Experts from Seed Info Tech, Pune
10	One Week Training Program on 'Campus Recruitment'	04/08/2014 to 09/08/2014	Experts from Seed InfoTech, Pune
11	Seminar On Career Guidance and Personality	02/08/2014	Mr. Prasanna Karmarkar and Mr. O.R. Barve, UGC, Career and Counselling Cell, Shivaji University.
12	Campus Enhancement program	22/07/2013 to 27/07/2013	Universal Education Bangalore
13	Campus Enhancement program	19/08/2013 to 24/08/2013	Universal Education Bangalore

- Teacher's day, Engineers day, Social Gathering celebrations are grandly organized by staff and students to highlight the importance of teacher-student relationship and the role of engineers in nation building.

Table No.1.8: List of programmes of institute

Sr. No.	Activities	Date	Resource Person
1	Engineer's Day	15/09/2016	Dr. Jaydeep S. Bagi Director DOT Shivaji University
2	Teacher's Day Function	5/09/2016	Dr. Suhas S. Patil Principal BVCOEK Dr. H. N. More Principal BVCOPK
3	Teacher's Day Function	5/09/2015	Dr. Mrs. S. R. Chougule Principal BVCOEK
4	Engineer's Day	15/09/2015	Prof. Pratapsingh Kakaso Desai President of ISTE (Indian Society of Technical Education)
5	Celebration of Gurupournima	31/07/2015	Dr. Mrs. S. R. Chougule, Principal BVCOEK Prof. K. R. Desai
6	Teacher's Day Function	05/09/2015	Mr. L.R. Nasirabadkar, Renowned Author and Philosopher, Kolhapur.

7	Engineer's Day	16/09/2014	Mr. D.D. Doke, C.E.O. Zilla Parishad Kolhapur
8	Teacher's Day Function	05/09/2014	Prof. Mahesh Kakade Controller of Examination, Shivaji University,
9	Seminar on Project Guidance	04/08/2014	Mr. Amit Sharma, Manager, NIIT, Pune and Mr. Kishor Dhenge, Business Executive, NIIT, Kolhapur
10	Engineer's Day	16/09/2013	Mr. B. S. Shimpukade, Chairman, Shimpukade Group of industries, Shirol, Kolhapur
11	Celebration of Teachers Day	05/09/2013	Mr. J. F. Patil, Retired Professor and Economist, Department of Economics, Shivaji University, Kolhapur.

3. Better career options

- Training and Placement Cell interacts continuously with employers and identifies the new areas of knowledge in demand, new career options available and train the students to enhance employability.
- Guest lectures and workshops are arranged by every department of the institute every year to expose students to new fields and new opportunities in the industry, self-employment, post-graduation and Higher Educational Opportunities. Few of the conducted activities are listed as below:

Table No.1.9: List of Training and Placement

Sr. No.	Activities	Date	Resource Person
1	Lead College Training	15/09/2017 to 22/09/2017	O2 Breathing Brains Miraj
2	Linked In All India Rank Test	23/10/2016	LINKED IN
3	TCS mock test	30/09/2016	FACE ACADEMY
4	Barclays Technical Training Program	26/9/2016 to 1/10/2016	Global Talent Track Pune
5	Careers in "Computer Networking"	05/08/2016	Jet King Networking Institute Kolhapur
6	Seminar on "GATE/IELTS/IES"	20/08/2016	Made Easy Group Pune
7	Seminar on "GATE"	20/01/2015	ETC Dept.
8	MPSC- UPSC seminar	22/01/2015	AB Competitive Exams Academy
9	Seminar on 'Career Opportunities in Industrial Automation Field'	27/08/2014	Experts from MPTA Education Ltd., Pune

10	Seminar on 'Overseas Education and Job Opportunity'	16/08/2014	Edualliance, Kolhapur
11	Seminar on 'Foreign Education at India Cost'	13/08/2014	Aliff Overseas Consultant, Mumbai
12	Foreign Education Guidance	31/08/2013	Dr. A.R. Bunjang, Illionise Institute of Tech.
13	Seminar on "GATE"	27/09/2013	Mr. Mandar Deshpande

4. Community orientation

The institute NSS team regularly organizes social camps in surrounding areas and villages to create awareness among the public community on various social, moral, ethical principles and ways of life.

The NSS team had conducted the following programmes

- Save girl rally
- Tree plantation
- Voters Day
- Presenting the posters like Don't Drink.
- Save trees rally
- Blood Donation Camp
- Celebration of Ganesh Festival
- No Vehicle Day
- Rankala Cleanliness Programme
- A celebration of Chh. Shahu Maharaj Jayanti
- Computer Education Programme
- Volunteer works as "Police Mitra"
- Gram Swachata Abhiyan

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

The Institute collects feedback from following Stakeholders in the context of the curriculum:

- Feedback from the stakeholders such as employers, alumni and industry is obtained yearly from which the adequacy of the curriculum is as certain.
- Interaction is done with alumni of the department during alumni meets and through email and telephonic discussion. The collected feedback is quantified and suggestions are conveyed to university.

- Feedback in the prescribed format is obtained from the students at the end of each semester called course exit survey and after completion of the program called Feedback Form.
- The feedback taken through these is analyzed by the faculty and sent to the departmental coordinator and a summary of the same is prepared.
- For curriculum enrichment, the university revises the curriculum after every 4 years. Due to feedback system, the gaps found at each programme level are planned and executed with the support from industry experts, academician, entrepreneur and alumni.
- The experts from industry are involved during the process of curriculum Development at the University level.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

Monitoring

- The training and placement cell conducts tests on their training programmes to assess the effectiveness of training.
- Feedback is taken on all quality enrichment programmes at the end and suitable modifications are done.

Evaluation

- The impact of quality enrichment programmes is assessed by analysing the examination results and placements.
- The institute has been consistently improving the quality of teaching by arranging to its faculty development programme and to further motivate them to Research and Development.

1.4 Feedback system:

1.4.1. What are the contributions of the institution in the design and Development of the curriculum prepared by the university?

- As an affiliated institute, the institute actively participates in the design and development of curriculum by communicating the suggestions made by the board of studies of different departments to the university.
- Faculty members regularly attend workshops and seminars on the revision of curriculum and offer their suggestions to enrich the curriculum.
- During the formation/ reformation/ modification of the curriculum, the University invites the representatives from the institutes to put forward the views on behalf of the Institute.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the university and made use internally for curriculum enrichment and introducing changes/new programmes?

- Feedback is obtained from the outgoing students on curriculum and worthy suggestions is communicated to the University for Curriculum Enrichment.
- The feedback is also used internally to enrich the content and also fill the gaps in the curriculum in the form of extra content.
- During the reformation of the curriculum, university invites the representative from the institute to put forward the view on behalf of all the stakeholders of the Institute.
- Interactive sessions between the institute officials and parents are regularly conducted by organizing the "Parents Meet" in each semester to invite their suggestions with regard to curriculum and the training offered by the institute.
- Based on the suggestions received from the parents, internal meetings are conducted to identify the gaps in the curriculum and ways of enriching the curriculum by adding extra content.
- The library resources are updated whenever curriculum changes are made and the required equipments are procured to meet the needs.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes? Any other relevant information regarding curricular aspects which the institute would like to include.

The institute introduced Post Graduate programs from last four years. The details are given below:

Table No.1.10: List of PG programmes

Year	UG/PG	Course	Intake
2014-15	PG	Computer Science and Engineering	18
2014-15	PG	Mechanical (CAD/CAM/CAE)	18

The institute has been taking steps to increase the number of postgraduates recently. There has been a lot of demand for post graduate courses in different specialisations of Mechanical Engineering, Electronics Engineering, Electronics and Telecommunication Engineering and Computer Science and Engineering.

CRITERION II: TEACHING, LEARNING AND EVALUATION**2.1 Student Enrollment and Profile****2.1.1 How does the Institute ensure publicity and transparency in the admission process?**

The Institute is affiliated to Shivaji University, Kolhapur and is recognized by DTE and AICTE. The admission process is carried out by the Institute by strictly following the guidelines specified by Directorate of Technical Education, Mumbai Maharashtra State. Admission notification is hosted by DTE, Maharashtra on their website. The Institute has admission cell to guide students and parents.

The following ways are adopted by the Institute to ensure maximum publicity for the admission process:

- Advertisement in Newspapers
- Brochure / Prospectus
- Institute Website (<http://coekolhapur.bharativedyapeeth.edu>)
- Awareness and Induction programmes
- Hoardings

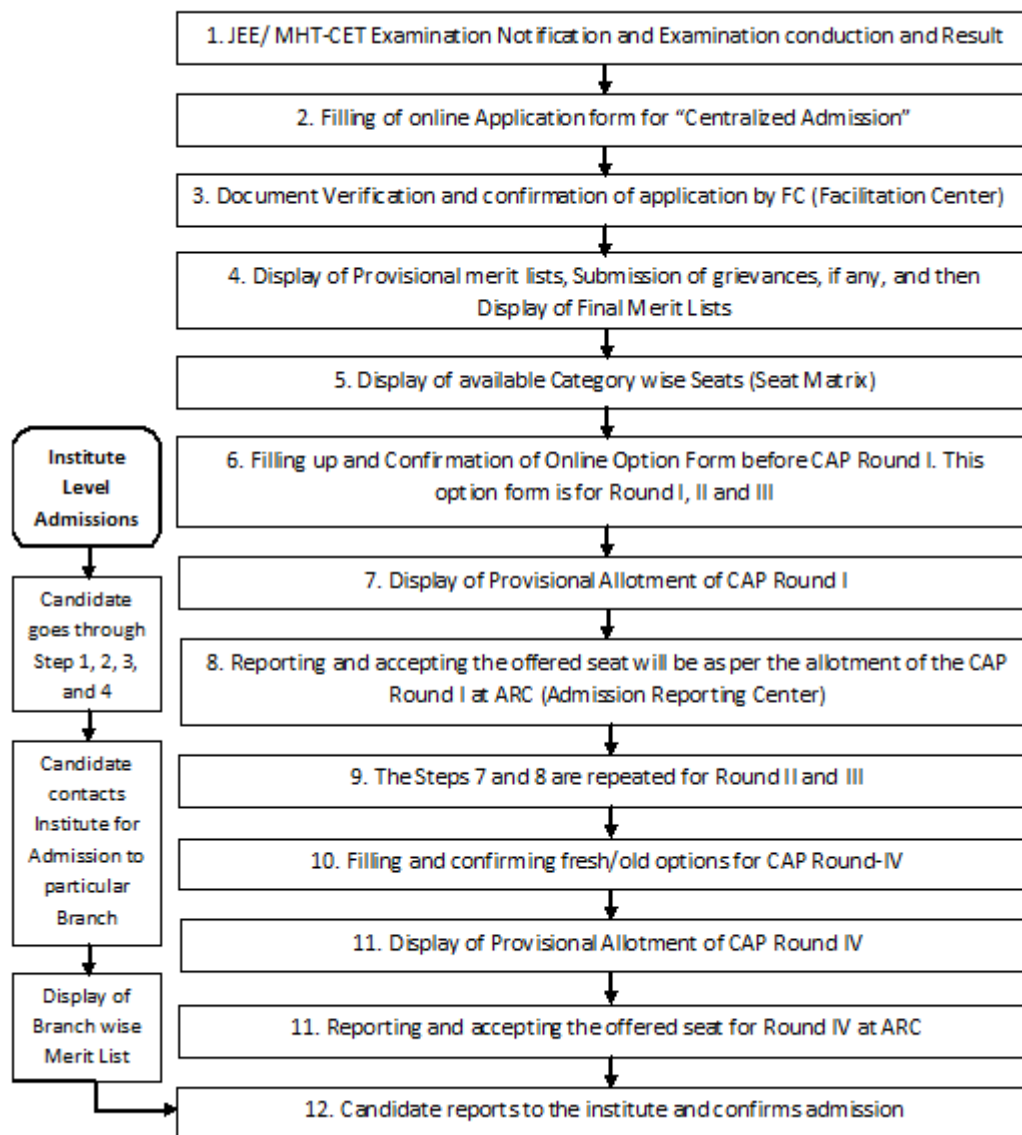
Transparency

The transparency in the admission process is ensured by strictly following the guidelines laid down by AICTE, DTE and the affiliated University i.e. Shivaji University.

- The procedure for Centralized Admission Process (CAP) as given on the DTE website is followed by the institute.
- The information regarding availability of seats, fees, facilities available etc. is posted on the website.
- CAP Seats are admitted by the online registration process of the eligible students on the DTE website followed by giving their choice for desired institutes in the different option rounds of admission.
- The Against CAP and IL (Institute Level) seats admissions are carried out at institute level as per the rules of the DTE.
- Institute advertises the regarding admissions in leading news papers and local news Channels.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex.

(i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.



- The institute follows the rules and regulations imposed by Directorate of Technical Education (DTE), Maharashtra for the admission procedure
- The institute is involved in the Central Admission Process (CAP) of DTE, MH State
- Institute/ Management quota admissions are also adhered to the rules and regulations of Directorate of Technical Education (DTE), Maharashtra

- **F.E. Admissions - 65%** Students are admitted through Maharashtra State Common Entrance Examination (MHT-CET), **15%** Students are admitted through All India Engineering Entrance Examination (JEE Main Paper I) and **20%** seats are filled as Institute Level (IL) seats.
- **Direct Second Year Admissions -** Minimum **20%** Students of approved intake are admitted through Centralized Admission Process (CAP) conducted by DTE, Maharashtra as Lateral Entry.
- **M.E. Admissions -** The Selection Process for admission is based on the score in the National level Graduate Aptitude Test for Engineering (GATE) conducted by IITs.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programs offered by the institute and provide a comparison with other institutes of the affiliating university within the city/ district.

Academic Year 2016-17

Department	BVCOE, Kolhapur		BMAT, Kagal		AMGOI, Vathar		ADCET, Ashta	
	Min	Max	Min	Max	Min	Max	Min	Max
ETC	48	99	47	63	35	80	42	112
Computer	44	93	46	84	21	81	43	124
Mechanical	45	112	46	60	41	93	40	126
Civil	31	104	66	74	35	87	39	107

Academic Year 2015-16

Department	BVCOE, Kolhapur		BMAT, Kagal		AMGOI, Vathar		ADCET, Ashta	
	Min	Max	Min	Max	Min	Max	Min	Max
ETC	15	68	31	55	55	63	16	69
Computer	19	80	31	35	12	62	15	76
Mechanical	17	74	37	59	10	81	26	82
Civil	12	79	41	48	11	76	20	91
ETX	54	60	-	-	-	-	-	-
IT	-	-	-	-	-	-	09	40

Academic Year 2014-15

Department	BVCOE, Kolhapur		BMAT, Kagal		AMGOI, Vathar		ADCET, Ashta	
	Min	Max	Min	Max	Min	Max	Min	Max
ETC	28	79	48	70	29	30	02	87
Computer	22	66	32	50	15	66	08	78

Mechanical	29	86	16	78	19	61	20	85
Civil	27	91	32	69	15	73	14	77
ETX	62	70	-	-	-	-	-	-
IT	-	-	-	-	-	-	-	66

Academic Year 2013-14

Department	BVCOE, Kolhapur		BMAT, Kagal		AMGOI, Vathar		ADCET, Ashta	
	Min	Max	Min	Max	Min	Max	Min	Max
ETC	25	111	15	62	15	85	38	102
Computer	44	103	41	57	05	74	27	86
Mechanical	43	109	29	68	26	95	36	122
Civil	36	93	26	62	15	91	40	83
ETX	46	86	-	-	-	-	-	-
IT	25	70	-	-	-	-	15	86

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes,

The engineering admission process is entirely governed by Directorate of Technical Education (DTE), Maharashtra. The institute strictly follows the guidelines laid down by DTE. Thus, the institute has no rights to review the admission process.

Student profiles are reviewed based upon their marks obtained at 12th Grade, marks obtained in the entrance test and diploma grade. The admission cell of the institute minutely researches the trend based on the information collected during the admission process. Students are then categorized based on their academic background, their expertise in particular subject, economic background etc.

Outcome and Contribution:

It becomes easier for the institute to design a much better campaign to attract students to pursue admission in engineering discipline. The profiles of the students help the institute to understand the flow of trend towards a particular branch of Engineering. The publicity and advertisement strategies are then designed accordingly.

2.1.5 Reflecting on the strategies adopted to increase/ improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- **SC/ ST**
- **OBC**
- **Women**
- **Differently abled**
- **Economically weaker sections**
- **Minority community**
- **Any other**

a) SC/ ST/ OBC

The admission to SC/ ST/ OBC students is made as per the rules and regulations laid down by DTE, Maharashtra and Shivaji University, Kolhapur. In order to motivate students from SC/ ST/ OBC to seek admission in this Institution special care is taken to provide financial assistance under special UGC/State Govt. schemes. Book bank facility is provided for SC/ ST students.

b) Women / Girls

The 33% of the admitted students are girls as per the DTE norms. The Institute has signed MOU (Memorandum of Understanding) with ladies hostel located nearby the Institute. The institute provides counseling to girl students by throwing light on the importance of girl education, exclusive facilities available for girl, financial incentives and security and protection provisions.

c) Differently-abled

Differently-abled students are given admission as per the rules of DTE. Every care is taken to provide necessary facilities to such students. Such students are provided additional facilities at the time of University Examination like convenient seating facilities, extra time as specified by the University, writer facility etc. The faculty and staff are always willing to offer every possible help to such students. The institute has made a ramp in front of the canteen, administrative office and toilets to facilitate smooth access for the differently-abled. The institute has the lift with power backup which helps such students to go to the classrooms which are not on ground floor.

d) Economically-weaker sections

The students belonging to economically weaker sections are in sufficient number in the institute as most of students who seek admission in the institute come from backward areas of adjoining districts. The institute also offers financial help to such students. Fee Concession is given to the financially backward students. A Tuition Fee Waiver Scheme (TFWS) is available for students in the admission procedure of DTE. Also EBC scholarship is conferred to students belonging to economically weaker sections of the society.

e) Minority community

This institute is a non-minority institute and hence there is no reservation for the minority candidates. The State and Central minority scholarship schemes are made available for the eligible minority students.

f) Any other

There is a reservation for the candidates belonging to Jammu and Kashmir. These seats are filled by Institute as per the rules and regulations of the AICTE. The fee scholarship facility is also provided to such candidates as per the Govt. of India norms.

Table No. 2.1: Details of Government Scholarships

Category	2013-14		2014-15		2015-16		2016-17 (Till 23 Mar, 2017)	
	Students	Amount (Rs)	Students	Amount (Rs)	Students	Amount (Rs)	Students	Amount (Rs)
SC Scholarship	103	72,97,852	112	88,34,730	114	93,75,590	116	9826115
SC Freeship	68	47,37,904	69	54,12,835	53	43,56,747	43	3693777
OBC Scholarship	230	75,30,880	214	78,53,995	180	68,14,190	180	Yet to receive
OBC Freeship	88	28,33,327	73	26,46,369	61	23,00,267	58	2266626
SBC Scholarship	34	22,02,299	26	18,63,390	27	20,45,911	18	1409339
SBC Freeship	17	10,90,314	15	10,97,255	12	9,17,162	13	984985
VJNT Scholarship	116	7,73,11,18	111	80,84,063	109	81,96,739	101	Yet to receive
VJNT Freeship	42	27,60,164	33	23,70,961	46	35,55,808	26	2039386
EBC Scholarship	712	2,28,15,802	716	2,49,11,748	673	2,47,44,056	622	23802458
PTC/ STC Scholarship	61	2,44,000	45	1,80,000	19	76,000	16	64000
TOTAL	1,471	5,92,43,660	1,414	6,32,55,346	1294	6,23,82,470	1193	4,40,86,686

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Table No. 2.2: UG Admission Details

Sr. No	Name of Programs	Year	Intake Capacity	No. of Students Admitted
1	Electronics & Telecommunication	2016-2017	90	27
		2015-2016	120	26
		2014-2015	120	49
		2013-2014	120	86
2	Computer Science	2016-2017	60	38
		2015-2016	120	33
		2014-2015	120	32
		2013-2014	120	60
3	Mechanical	2016-2017	120	50
		2015-2016	120	71
		2014-2015	120	103
		2013-2014	120	111
4	Civil	2016-2017	60	33
		2015-2016	60	46
		2014-2015	60	47
		2013-2014	60	53
5	Electronics	2016-2017	--	--
		2015-2016	60	4
		2014-2015	60	7
		2013-2014	60	14
6	Information Technology	2016-2017	--	--
		2015-2016	--	--
		2014-2015	--	--
		2013-2014	120	1

Table No. 2.3: PG Admission Details

Sr.No	Name of Programs	Year	Intake Capacity	No. of Students Admitted
1	Electronics & Telecommunication	2016-2017	18	2
		2015-2016	18	14
		2014-2015	18	12
		2013-2014	18	18

2	Computer Science	2016-2017	18	3
		2015-2016	18	13
		2014-2015	18	18
		2013-2014	--	--
3	Mechanical	2016-2017	18	3
		2015-2016	18	13
		2014-2015	18	17
		2013-2014	--	--

- The AICTE changed the norms of eligibility for the post of Assistant Professor as minimum PG required. Hence, a need to start PG programme was observed. Accordingly, UG in Civil Engineering was started in the year 2011-12 and PG was started for ETC programme in the year 2011-12 and for CSE and MECH in the year 2014-15.
- There was a slide down in the requirement of IT and ETX engineers as compared to the Computer Science engineers and ETC, Electrical which resulted in student less opting for IT & ETX branch. The institute decided to close the IT and ETX branch and divert its infrastructure to CSE and ETC for purposes like consultancy, research, project development etc.
- Large amount of new institutes were set up in and around the district which resulted in merging the students belonging to their localities. Students living near these institutes got admitted there itself.

Actions initiated for Improvement

- Improving publicity
- Counselling students and their parents in more better way
- Strengthening Training and Placement activities
- Enhancing students overall personality development
- Provide extra coaching facilities by having MOUs with other reputed institutes

2.2 Catering To Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

- The institution is fully adhering to Maharashtra Government policies regarding the needs of differently-abled students.
- Railings and ramps are provided for differently abled students.

- Lifts are available for them to access various floors.
- Separate toilets are available to them.
- In case of extreme physical disability, class work is arranged on the ground floor.
- Students having vision and functional disability are provided with writers during examinations.
- Extra time is allotted for examination.

2.2.2 Does the institution assess the student's needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Yes,

The institution assesses the student's needs in the following ways -

- The institute arranges "Awareness Programmes" for the parents and their children aspiring admission to the B.E. programme to explain the admission procedure and to create awareness in them towards branch selection and also institute selection.
- Induction Programme is arranged every year for students and their parents before commencement of classes, in which the information regarding facilities, faculty expertise, rules and regulations, discipline code of the institute and the teaching-learning methodology is given. The students and parents are encouraged to express their problems and elicit other information during induction programme.
- Orientation classes, seminars, workshops are arranged for newly admitted students before commencement of class work.
- In addition, during the academic programme students requiring special attention in specific subjects are identified and extra remedial classes are conducted after the institute working hours to improve their performance and confidence level.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/ Remedial/ Add-on/ Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

The Institute takes lots of efforts to enhance student's knowledge. To cope up with the enormous developments happening around special efforts are taken to improve their academic quality. The institute stresses on the following points to enable them to cope up with the programme of their choice -

- **Introduction of Programme:** The Institute organizes an orientation Programme for newly admitted students to understand the engineering curriculum and the agenda of four years.
- **Career Guidance and Opportunities:** The senior students, especially those who have been placed through campus interviews are asked to share their experiences with the junior students. The shortcomings that these students faced are tried to resolve by the training and placement cell for the newcomers.
- **Developments in the Industry:** Special seminars and workshops are conducted by inviting resource persons from the industry to make the students aware about the recent trends in the industry.
- **Soft Skill Development Courses:** English fluency is mandatory and has been incorporated as a regular subject in 1st year time table. Training is provided to the students to enhance their soft-skills, group discussion skills, aptitude test capabilities as well as interview techniques. The laboratories are well equipped with multimedia enabled and plays major role in upgrading English competency of the students. The Institute conducts Soft Skills development Programmes in association with Seed Infotech at regular intervals.

2.2.4 How does the institute sensitize its staff and students on issues such as gender, inclusion, environment etc.?

- The institute has been sensitive towards upliftment of students and avoids discrimination based on gender by having healthy academic and social environment.
- The institute regularly conducts seminars on women empowerment. As a part of women empowerment, we celebrate "International Women's Day"

by inviting eminent personalities to give talks and enrich the minds of students by helping them to spread awareness amongst themselves and in the society.

- The institute has also established an internal complaint committee to thwart any attempts of sexual abuse being made. The Principal, a senior lady staff and a student representative lead the cell.
- Institute also celebrates “Savitribai Phule Jayanti” every year.
- There is also an anti-ragging committee set up in the institute, which continuously monitors the students to avoid ragging in the campus.
- The faculty members as well as the students are sensitized to pay constructive attention to issues such as caste discrimination, gender equality etc. and disregard any such practices.
- A NSS unit of the institute plans visits to nearby under privileged villages and empowers the entire population of that village towards education and woman empowerment. The unit also spreads awareness in keeping the surrounding areas as clean as possible.
- Various social service activities are undertaken in the institute like – blood donation camps, no vehicle day, tree plantation, distribution of fruits and blankets to needy, etc. These activities lighten the minds of students and make them a responsible citizen.
- Poster competitions and exhibitions are organized regularly in the institute. Environmental issues are given priority in these competitions.



Seminar on "Cyber Crime"



Seminar on "Polycystic Ovary Syndrome"



Food Distribution



Tree Plantation Activity



Blood Donation Camp



Donation to AVANI Sanstha



Shram Sanskar Shibir



Donation to Chetana Vikas Kendra



Teachers Day Function



2.2.5 How does the institution identify and respond to special educational/ learning needs of advanced learners?

The academically advanced learners require special attention as they are rightly identified to be the pillars of the nation. They are identified by the institute from their brilliant academic performance along with the interest expressed by such students through discussions, projects, participation in co-curricular and extracurricular activities, University results etc.

Their thirst for learning can be spotted through their interaction with the faculty members about their innovative ideas. The institute provides academic support in terms of providing reference books for further reading, provides advanced industry based projects and the necessary material for advanced research. Round the clock internet facility is made available to all students to access advanced research material, download eBooks, thesis, reports etc.

Interaction with industry personnel and encouragement for presenting research papers at conferences, seminars or journals is boosted. Advanced learners are further encouraged in planning their careers by providing the following facilities -

- Provide more detailed information about competitive exams and further methods to attain admissions to post graduate and doctoral studies.
- Additional library facilities are provided to them by issuing them more books for referencing.
- Giving them responsibilities to handle project groups to encourage leadership qualities.
- Extra coaching is provided to them to enhance their overall personality and communication skills.
- GATE, UPSC and MPSC guidelines are also provided to students.
- Students are motivated to participate in aptitude and group discussion activities.
- They are well trained in writing research papers in reputed journals. While doing so they are also made aware of the outcomes of plagiarism.

- These students are encouraged to enhance their presentation skills by providing training in creating impressive power point presentations, charts and models.
- Responsibilities are rendered to them to apply their creativity by organizing cultural programmes, technical events, project competitions, sports competitions etc.
- Most important of all, these students are advised to help and motivate the slow learners to improve their performance.
- The students from all the branches participate in the “SEED IDOL” contest held at University Level by Seed Infotech.
- C-PRO, C-Programming competition is held every year primarily for the second year students.
- National level Conferences, Project Competitions, Aptitude Tests, Group Discussions, and Soft Skill Trainings are organized by every department in the institute.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

- The institute has been attentive since the beginning towards the progress and upliftment of students who are at the risk of dropout for some reason or the other. Hence the institute uses the data obtained from university result sheets, unit test marks, personal discussions and the background of the student is utilized to spot out the proposed likelihood of students opting for drop out.
- To overcome the menace, institute pays special attention to such students. Apart from referring to their personal weaknesses in studies, it organizes remedial classes for such students. Special practice sessions are arranged for them along with personal help from mentors to complete / achieve their targets. Each and every attempt is made to deviate the students from opting this tendency and progress well in studies.

- The departments maintain the academic record of the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.
- Slow learners are identified after observing their performance in class tests and first mid examinations.
- Such students are asked to explain their problems and the following measures are taken to reduce the drop outs.
- Special classes are conducted for students deficient in language skills.
- Remedial classes are organized to clarify doubts, re-explaining of critical topics for improving performance.
- One faculty member is assigned as counselor for every 20 students. The faculty counselor assesses the nature of their problem. Students with psychological / emotional problems are also motivated in a friendly way to reach their academic goals.
- Poor performance due to frequent absenteeism is dealt by informing on phone and sending registered letters to the parents of such students.
- Teachers prepare separate learning material for slow learners.
- All the staff members maintain good relations with students and deal with their problems in a sympathetic manner.
- Learning ware materials for all engineering programmes are available.
- Students belonging to economically backward sections are allowed to pay their fees in installments. A TFWS (Tuition Fee Waiver Scheme) is also available to them. Fees are also waived off for few of the extreme cases. Book bank facility is made available to such students.
- For disadvantaged sections of the society, book bank facility is given to them. Scholarships such as EBC are provided to them.
- SC /OBC/ ST and minority category students are given financial aids through scholarships and other schemes as per the norms of government.

2.3 Teaching-Learning Process

2.3.1 How does the institute plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

i) Academic calendar:

- The academic calendar issued by the affiliating university SUK, is followed strictly.
- The institute and department also prepare an academic calendar at the institute and department level respectively. All activities mentioned in that calendar are carried out without fail.

ii) Handouts:

At the beginning of the semester, each staff member of every department prepares a course handout which is distributed to students.

The handout consists of

- Course objectives and outcomes of each unit.
- Lecture schedule.
- Text books, Reference books and important URLs for the subject material.
- Assignment and important questions in each unit.
- Content beyond syllabus.
- The evaluation procedures for internal tests - theory and practical.

iii) Teaching Plan:

- Head of the department conducts meeting with the faculty before commencement of the semester course work in which subject allocation is made.
- Class timetables are prepared and displayed on all the notice boards.
- Every faculty member prepares a course file.
- Laboratory manuals are prepared and supplied to students at the beginning of the semester.
- Review meetings are arranged periodically to review the coverage of syllabus.
- Teacher uses teaching aids like Projectors, LCDs wherever they are necessary.

iv) Evaluation:

- Two midterm examinations, subjective and on-line, in theory subjects and one internal examination in case of practical are conducted each semester.
- The department carries out internal assessment on all subjects based on internal test performance of the students.

- Continuous evaluation procedure is followed for practical subjects.
- Internal marks are awarded as per University guidelines.
- However, University conducts end semester examinations in both theory and practical subjects and arranges evaluation.
- Evaluation of mini-projects and main projects is also under the purview of the University.

2.3.2 How does IQAC contribute to improve the teaching -learning process?

- The IQAC gives primary importance to improve the Teaching Learning process. Each and every staff member of the institute is made aware of the importance of improving the quality of teaching and learning.
- Students are asked to submit an online feedback of every staff member on various points. Based on the feedback, each staff is given his / her feedback report along with the areas in which he/she needs to improve upon.
- Result analysis is also carried out after the University results are out. Based on the result every staff member is asked to improve upon his course if the results are not satisfactory.
- The course material is prepared by every staff member and is given to students. Every staff member is given an academic diary in which he/ she needs to maintain the lesson plans.
- The final year projects are assessed from people belonging to the industry. Inputs are taken from them for further improvements in the projects so that they could be aligned with the industry projects.
- Parents meet is called once a semester and the performance of their ward is thoroughly discussed with them. Inputs are also collected from the parents and based on their feedbacks appropriate changes are made in the department.
- Alumni meet is arranged every year. Alumni's are asked to share their views upon the current trends in the industry. They also give their valuable suggestions to improve the academics so that the syllabus could be altered in tune with the industry.

2.3.3 How learning is made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The Institute offers support services to the teachers such as allowing them to attend conferences, workshops, symposiums etc. for increasing their knowledge in their area of study so that learning could be made more students centric. The Institute organizes guest lectures and arranges industrial visits for students to develop their interactive, collaborative and independent learning.

Interactive learning

- All laboratories are well networked and separate classroom is provided for attending webinars.
- The institute provides state of the art seminar halls and e-class rooms where students participate in group discussions, debates, videos and seminars.
- NPTEL videos are made available to students.

Collaborative learning

- The institute has the facility of various teaching aids such as Projectors, LCDs, etc.
- All departments maintain departmental libraries and internet facility to access all the journals, e-material, e-books etc. through library server enabling the students and faculty to keep abreast of the latest developments in their respective fields.
- The institute has a 100 Mbps internet leased line. High speed internet connectivity is provided to project lab of every department.

Independent learning

- The Institute as well as every department provides well stocked library which consists of bulk of books, journals, project reports and other teaching material for use to students and faculty.
- The department provides well equipped labs for improving programming skills & logical thinking.
- A Language laboratory is setup for first year students for improving their proficiency in English Language Laboratory.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- The students are encouraged to design their own applications using the available equipment in the laboratory and software.
- The faculty motivates the students to participate in model making, paper presentations, software contests and various co-curricular activities in various events organized in and outside the institute.
- Students are provided with additional laboratory hours to use internet and download literature.
- Students are encouraged to participate in project competitions and workshops with hands-on experience.
- Students interested in research are encouraged to come up with innovative ideas and to present them in competitions organized in and around the institute.
- Students are encouraged to take up live/ industry sponsored projects.
- Students are encouraged to gain knowledge in interdisciplinary subjects through selection of open electives, seminars and discussions with experts.
- The institute encourages students for participating in games & sports, NSS and other social activities to enhance their team-work skills, self-esteem, and personality.
- To improve critical thinking process of students various group discussions, debates and seminars are organized in which students explore new ideas.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning – resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

1. E-Learning Resources

- Modern teaching aids like Multimedia Projectors and Internet enabled Computer systems are used for class room teaching and for other student learning experiences.

- The institute has purchased various software's like Visual Studio, SQL Server, JAVA, for the Computer Science and Engineering department, MATLAB, MULTISIM for Electronics and ETC department, AUTOCAD, CATIA for Mechanical Engineering, STAADPRO for Civil Engineering department. These software's can be considered as rich resources for the students.
- Students are motivated to register to feature rich websites like COURSEERA which offer free courses.

2. NPTEL

- 3000 hours of NPTEL video courses on 72 subjects are provided in the library.
- IIT and NIT Professors video lectures and learning materials for all engineering programmes are also available in the library.

3. Webinars

Webinars organized by different institutes like IITs, IEEE and companies like CISCO, WIPRO are made available to the students.

4. Mobile Education

Mobile applications are made available to the students which are used to give quizzes, enter feedback of staff etc. Students of Department of Computer Science and Engineering have developed an application for the use of staff members to provide tutorials, send notices, give assignments etc.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- Indian Society for Technical Education (ISTE) sponsored Short Term Training Programmes (STTP) is organized every year by at-least two departments in the institute. This program is scheduled for a week or two in which eminent personalities from reputed organizations and industry is called to deliver talks.
- A two days Faculty Development Programs (FDP) are organized under Lead College activity by every department.
- The Institute organizes a National level Conference NCETET every year for UG and PG students.

- The Institute urges all the staff members to participate in various conferences, workshops, seminars, symposiums etc.
- Students are inspired to participate in Project competitions, Paper presentations, Poster presentations etc. in University level programmes like AVISHKAR.
- Wi-Fi and Internet Leased line facility is provided to students.

2.3.7 Detail (process and the number of students/ benefited) on the academic, personal and psycho-social support and guidance services (professional counseling/ mentoring/ academic advice) provided to students?

- The class teachers carefully monitor the regularity of attendance and the performance of the students in internal evaluation tests and end semester examinations. Based on their output, proper counselling is done for them.
- Remedial classes are conducted for poor performers to improve their performance in the subsequent examinations.
- Four mentors are allotted for each class to provide academic and personal guidance. Usually, one faculty member is assigned as mentor for a group of about 15 students. By this way, all the students of the institute are benefitted.
- The students who need psychological boosting and the students who are psycho-socially left out are provided psychological counselling by inviting the psychologists.
- Counselling seminars are conducted every year by renowned counsellors to all the students, particularly at 1st and 2nd year level.
- The training and placement department organizes week long training for Second, Third and Final year students as a part of preparation for campus interviews. About 90 students have been benefitted whose percentage score is above 55% in the University examinations.
- Internal Complaint Committee (ICC) is formed for girl students to address their personal issues.

2.3.8 Provide details of innovative teaching approaches/ methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

- All staff members have designed informative slides of their subject for proper understanding of the course.
- The faculties use Tablets, Laptops, and online Journals, videos and other online content and study material from the internet.
- Each department has an exclusive well equipped seminar hall and class rooms with LCD are permanently mounted on the ceiling.
- The Faculty uploads Tutorials, Assignments, Notices, Exercises, and other academic material on the software created by the students for the students.
- The students are encouraged to use computer software packages for experimental work of their projects and its analysis.
- The institute encourages teachers to enhance their subject knowledge and research in their respective fields using library resources and software's.
- Creative assignments are prepared by the faculty in all the subjects and students are asked to prepare the solutions by referring the books and other e-learning materials.
- Seminars/ symposia are conducted regularly every year to bring out inherent talents of the budding engineers. Special guest lectures are also arranged on the latest topics by eminent academicians/ industrialists.
- The faculty members are encouraged to participate in National/ International level seminars by extending academic leaves and the required financial assistance.
- The faculty members in turn transform their knowledge or technical knowhow to their students either in the classroom or arranging special lectures for this purpose.

Efforts made by institute

- The institute motivates the faculty to participate in National and International Conferences, Teaching learning programmes like Mission 10 x, Infosys Campus Connect etc.

- The institute makes necessary provisions of things like high speed internet, LCD Television, industrial tours and visits, as per the demand.

Impact

- These initiations resulted in boosting student's confidence for self-learning. More number of students is getting attracted towards Research and Development. Students are finding it easy to decide and realize their career in a particular stream of engineering. Many students are also getting inclined towards becoming an entrepreneur.

2.3.9 How are library resources used to augment the teaching-learning process?

The institute has a central library with plinth area 1116.40 Sq. M. with all modern facilities.

- The students are encouraged to utilize the learning materials available in the library.
- The faculty and students go through the video lectures like NPTEL, NME-ICT of Professors from IITs.
- All the books in the library are stacked according to the departments so that the library officials could spend less time in getting books issued to students.
- The library software can be used effectively to search a book, reserve a book, find the number of quantities of a particular book etc.
- The faculty and students refer the online and print journals to publish/present technical papers.
- Students refer the e-learning resource material available in the digital library to enhance their technical knowledge and understanding of the subjects.
- The library and Internet center are kept open beyond the working hours of institution. Students can download the required technical material freely.
- A library committee is commissioned which takes care of all the happenings in the library. An awareness seminar is conducted on "How to use library resources effectively" every year by this committee for newly admitted students.

- There are independent sections in the library for Journals, Periodicals, References, Magazines, PG, and faculty and students study room.
- Apart from the central library every department also maintains a departmental library.
- Journal subscription is IP based; hence it is easier for students to access the journals from within the campus from any computer connected to internet.
- The library is completely covered under the CCTV surveillance.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes,

Though the institute could complete the curriculum within the time frame stipulated by the University, it has sometimes faced the following challenges:

- Due to late admissions at first year level, the instruction period is usually less. Faculty takes it as a challenge and completes the syllabus in time by conducting extra classes and also motivating the students to prepare on day to day basis.
- Sometime teachers need to bridge the courses particularly to the lateral entry students admitted into second year to meet the curriculum gap so as to make them comfortable with the curriculum subjects.
- Unforeseen interruptions to the class work are compensated by arranging extra classes beyond working hours.
- Every faculty prepares a course plan in the beginning of the semester. Although, even if it is planned, the time taken by the faculty to cover the syllabus depends on his/her own individual capacity and expertise. Sometimes students take more time to grasp a concept and needs to be repeated again by changing the teaching aid. Hence it may not be possible always for a faculty to complete the course in the stipulated time assigned by the University.
- Some subjects require more time or less time than the number of hours assigned by the university. E.g. DSP, DBE, SOM, Applied Mathematics need more time.

- The IQAC monitors the syllabus coverage in every subject and suggests suitable remedial measures to the teachers concerned.
- Sometimes the institute adjusts the holidays so as to conduct extra hours of teaching for completion of the syllabus.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

- As the institute is affiliated to Shivaji University, Kolhapur, examinations are conducted by affiliating university; the result analysis process is carried out twice in a year. The Institute organizes remedial classes for poor result courses.
- Two mid-term tests per semester, surprise tests, assignments, tutorials, presentations and orals, etc. are conducted at regular intervals and their results are analyzed and discussed between staff members to improve quality of Teaching-learning.
- The quality of course material, assignments, experiment list prepared by the faculty is assessed internally and suitable suggestions for enriching the course materials and assignments are given by the senior faculty of the departments.
- Creative content beyond the syllabi assignments are prepared every year in all the subjects.
- Students are made aware of self-assessment for attainment of learning outcomes.
- Institute management takes academic progress review at the end of every semester to improve quality of learning.
- The institute monitors and evaluates the projects carried out by students
- Every semester the institute collects the student's feedback and higher authorities take corrective action for the betterment of teaching-learning process.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the institute in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum?

- Faculty of the institute is recruited as per the norms of AICTE. Advertisements are published in the newspapers for the vacant posts at various positions in different departments. One month buffer time is given

for the applicants to apply. A scrutiny committee sits before the Principal to sort the eligible candidates and calls are given to them for appearing for the interview. The Shivaji University appoints an interview panel for conducting the interviews through which recruitments are made.

- Sometimes, faculty leaves the institute for their personal reasons right in the middle of the academic year or enough applicants are not available during the interview process. To fill up this gap temporary faculty is appointed for that academic year and complete salary is paid to them based on their academic qualifications. Even these recruitments are made through local selection committee.

Retention Strategies

- Faculty of the institute is encouraged to pursue higher education.
- Faculty is allowed to go to conferences, workshops, symposiums etc.
- Faculty is allowed to carry out any consultancy work, if needed.

Table No. 2.4: Details of faculty qualification

Highest Qualifications	Professors		Associate Professors		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
Ph.D.	-	-	01	-	02	-	03
M. Phil	-	-	-	-	-	01	01
PG	-	-	01	01	33	6	41
Temporary Teachers							
Ph.D.	01	-	-	-	-	-	01
M. Phil	-	-	-	-	-	-	-
PG	-	-	-	-	23	8	31

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- The institute takes special permission from the management to recruit a senior faculty throughout the year. Interviews are conducted every time a senior faculty wishes to join the institute.
- Special packages and incentives, based on the experience, are also thought of during the recruitment of the senior faculty

- Senior faculty members are invited for various conferences /seminars / workshops organized on latest topics.
- The institute also encourages retired faculty to extend their work and use their expertise in academic work.
- Senior staff members from other eminent institutes were invited for expert talks on topics like – “Cloud Computing”,” Research in Computer Science”,” Digital Signal Processing”,” Finite Element Analysis”, “Heat and Mass Transfer” etc.

Outcome

The students were able to grasp the understanding of the topic in a distinct way. Senior faculty experience helps to understand the problems of the students in better way and it becomes easier for them to guide the students in turn.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a. Nomination of faculty to Staff Development programmes during the last four years (July 2013 to March 2017).

Table No. 2.5: Staff development programs

Academic staff development programs	No. of Faculty Nominated
Refresher Courses	15
HRD Programmes	02
Orientation Programmes	02
Academic staff development programs	No. of Faculty Nominated
Staff Training conducted by University	25
Staff Training conducted by other institutions	125
Summer / Winter schools, workshops etc.	120

b. Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning Teaching learning methods/approaches

- Orientation Programmes are undertaken every year before the commencement of Programme.

- Departmental Academic Calendars are prepared by every department.
- Lesson plan for every course is prepared by all the faculties.

Handling new curriculum

- Faculties are allowed to undergo training on new courses introduced in the curriculum.
- Group discussions amongst faculties are organized.
- The institution follows the guidelines of the Affiliating University to adhere with the curriculum.

Content/knowledge management

- Most of the faculties of the institute adopt the latest teaching aids like multimedia presentations etc.
- Faculties use tablets, laptops, LCD Projectors, OHPs and other aids to engage classes.
- Faculties expose students to demonstrated and experimental Learning.

Selection, development and use of enrichment materials

- Faculties are encouraged to explore the materials available on the websites of premier institutes like IIT's, NIT's or other International Universities.
- Every staff prepares his/her course file, which is also forwarded to the students.
- Eminent personalities from the industry are invited to deliver talks on recent trends in the industry.
- Experienced staffs are given the responsibility to teach the enrichment courses and bridge the gap between the students' knowledge and their subject understanding.

Assessment

- Staff Feedback is taken once a semester. Staffs are informed about their weak points and are asked to take corrective measures.
- The institute takes appraisal of every faculty at the end of every academic year.
- The Principal also conducts a meeting with the students of all the departments to obtain the feedbacks of the faculty.

Cross cutting issues

- Initiatives are taken to recruit highly experienced faculty round the year.
- Retention mechanisms are given prime importance.
- Seminars and workshops are conducted to enlighten the minds of the faculty provoking them to get actively involved in understanding the concepts of gender equality, women empowerment and social and economic background of the weaker sections of the society etc.

Audio Visual Aids/multimedia

- Faculties use audio visual aids like multimedia projectors during lectures.
- A PA system and LCD are available in the auditorium for conducting programs, workshops and seminars.

OER's

- Faculties use Open Educational Resources which include full courses, course materials, modules, textbooks, streaming videos, tests, software, and any other tools, materials, or techniques used to support access to knowledge.
- The faculties use the resources from online content providers like Coursera and other company whitepapers for teaching.
- They also guide the projects of final year students. In doing so they use references from industrial and organizational whitepapers / manuals etc.

Teaching learning material development, selection and use

- All faculties of the institute prepare course files. The Course file includes – Syllabus, Lesson plans, Objectives, Outcomes etc. for each subject.
- Two Internet leased lines of 100Mbps and 6Mbps capacity are subscribed by the institute for the use of Faculty and students.
- The institute has well stacked library with sufficient number of books available.
- The faculty participates in syllabus revision workshops, technical workshops, seminars, symposiums etc. to enrich their knowledge which can be put into effective teaching.

Table No. 2.6: Faculty Training programmes

Sr. No.	Name of the Program	Dept	Date	Sponsoring Body
1	ISTE approved STTP on "Emerging trends in Advanced Communication & Embedded System."	ETC	24/12/2016 to 29/12/2016	Self-Financed
2	"Recent Trends in Advanced Communication & Embedded System"	ETX	24/12/2016 to 29/12/2016	ISTE
3	One Day Workshop on PCB Design	ETC	28/01/2016	Self-Financed
4	Two Days Faculty Development Programme on "Recent Challenges in Computer Science and Engineering"	CSE	04-02-2015 to 05-02-2015	Self-Financed
5	Two Days Faculty Development Programme on Advanced Structural Analysis using ANSYS.	MECH	28-01-2015 to 29-01-2015	Shivaji University, Kolhapur
6	Two Days Faculty Development Programme on Foundation Course on "STAAD PRO"	CIVIL	24-01-2015 to 25-01-2015	Self-Financed
7	ISTE Approved One Week STTP on "Advance Network System and Image Processing"	ETC	09-01-2015 to 14-01-2015	Self-Financed
8	ISTE Approved One Week STTP on "Advance Network System and Image Processing"	ETC	06-01-2015 to 10-01-2015	Self-Financed
9	Faculty Development Programme for BVCOE, Kolhapur	IT	01-01-2015 to 03-01-2015	Self-Financed
10	ISTE approved one week STTP on Recent Trends in Communication Engineering and Technology.	ETC	15/01/2014 to 19/01/2014	Self-Financed
11	ISTE STTP on research areas in Information Technology	IT	17/12/2013 to 21/12/2013	ISTE
12	One Week ISTE-STTP on "Advancements in Computer Engineering and Technology"	CSE	26-12-2013 to 31-12-2013	ISTE (Self-Financed)
13	Two days workshop on MSP430 16-bit Microcontroller	ETC	29/08/2013 to 30/08/2013	Self-Financed
14	Two Days Faculty Development Programme on "Recent Trends in Computer Science and Engineering and Information Technology"	CSE	19-08-2013 to 20-08-2013	Shivaji University, Kolhapur
15	One Day Workshop on Discussion of Revised Syllabus of Engineering Chemistry	Engg Science	30-07-2013	Shivaji University, Kolhapur

16	One Day Industry Sponsored Workshop on "Measurement Technique in RF" in collaboration with Agilent Solutions pune	ETC	16-07-2014	Industry Sponsored Agilent Solutions, Pune
17	ISTE approved one week STTP on Recent Trends in Communication Engineering and Technology.	ETC	15/01/2014 to 18/01/2014	Self-Financed

c. Percentage of faculty

- Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies
- Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies
- Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies

Table No. 2.7 Details of Workshops / Seminars / Conferences

Nature of Faculty Role	Total
Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies	21
Nature of Faculty Role	Total
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	154
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	100

2.4.4 What policies / systems are in place to recharge teachers? (e.g: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

Following policies are in place to recharge teachers -

- The institute extends full support for the professional development of the faculty.
- The institute encourages its teachers to attend Refresher Courses, Orientation Programs, Conferences, Seminars and Workshops organized by other Institutes, Universities and Research Organizations.

- The institute encourages faculty for pursuing Post Graduation
- The institute encourages faculty to pursue Ph.D.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance / achievement of the faculty.

- Mr.S.B.Jadhav received “**Bharat Vidya Shiromani Award**” for outstanding achievements and remarkable role in the field of Education.
- Mr.S.B.Jadhav received “**Best Educationist award 2017 and Certificate of Excellence in Education**” from IIBM New Delhi.
- Mr.S.B.Jadhav received “**Rashtriya Vidya Gaurav Gold Medal award 2017 and Certificate of Education Excellence**” from Indian solidarity council (ISC) New Delhi.
- Dr. K.R.Desai received **1st prize in NCETET 2017** conference on “Facial feature Extraction using modified LBP” in the year 2016-17.
- Mrs. J.K.Patil received **2nd Prize in NCETET 2017** conference on “Fuzzy C-means clustering based segmentation of vertebrae in T1-weighted spinal MR images” in the year 2016-17.
- Mrs. A. H. Tirmare, Ms. P. S. Mali, Mrs. V. V. Khandare, Ms. S. R. Mohite received **Best Paper Award** for paper entitled “Hand Gesture Controlled Robotic ARM” by International Journal of Advanced and Innovative Research (IJAIR) in year 2016-17.
- Mr. Sachin B. Takmare awarded 1st prize in NCETET-2017 Conference on “A Survey On Multi Threaded Controller-Forwarder QOS Architecture For Multimedia Over SDN” in year 2016-17.
- Mr. Sachin B. Takmare awarded 1st prize in NCETET-2016 Conference on “Enhancement of Dec On High Dimensional Data Using Hub Concept” in year 2015-16.
- Mrs.J.K.Patil received **1st prize in NCETET** conference on “Performance Analysis of Non local Means filtering for denoising MRI images” in the year 2014-15.

- Mr. Sachin B. Takmare awarded 2nd prize in NCETET-2014 Conference on “An Add-On Device To Reduce Power Consumption In Existing Wireless Devices” in year 2014-15.
- Mr. M.M.More received 2nd prize in NCETET conference on Seismic evaluation of RC retrofitted buildings year 2013-14.
- Mr.G.S.Adure & Mr.A.R.Patil received 3rd prize in NCETET conference on six sigma in construction Engineering year 2013-14.
- Mr. R.R.Suryawanshi & Mr. M.S.Sonawane received 1st prize in NCETET conference on Germicidal ultraviolet LED fixture for Public Waterless Urinals and Washbasins to Control T.B. using Solar PV Panel year 2013-14.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching- learning process?

Yes,

- The evaluation of faculty by the students through feedback forms is done twice in a semester. The feedback from mainly focuses on various teaching skills of the faculty members, like presentation, communication, knowledge, content covered, innovative practices and laboratory work. This feedback is analyzed and appropriate suggestions are given to the faculty by the concerned HOD and the Principal to see that they rectify the shortcomings.
- The head of the institution interacts with few students of each class and takes the feedback on the teachers about the effectiveness of their classes and learning material provided.
- Performance and self-appraisals are taken from the faculty at the end of every academic year and their performance is evaluated. Based on the evaluation report faculty are counseled.
- Academic diary is provided to every staff member of the institute. There are many different contents regarding academics, non-academic, co-curricular and extra-curricular activities to be recorded and filled by the faculty in the academic diary. The academic diary is evaluated by the head of the department and the principal.

- Alumni feedback is also taken, which helps the departments to improve the quality of teaching-learning process.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- The Stakeholders of the institution i.e. students and faculty members and even the parents of the students are informed about evaluation process by giving general instructions mentioned in the prospectus of the institution.
- The periodic instructions issued by the affiliating university are promptly communicated to the students.
- The faculty members read the instructions even in the classrooms and copy of the same is also displayed on the students notice-board.
- Students are informed at the start of the session regarding the internal examinations.
- Students are clearly made aware of the eligibility conditions required to appear in the final exams.
- Students are informed of the criterion of the internal assessment.
- The evaluation is the integral part of teaching learning process. So, the institution makes effective arrangements for the smooth application of the rules about the evaluation processes.
- The institute has developed a proper mechanism for this purpose. Staff meetings are conducted periodically to review the evaluation process.
- Academic calendar and books are provided to the students.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

The institute is affiliated to Shivaji University Kolhapur, Maharashtra. The university has initiated various evaluation reforms like –

- Students are internally assessed based on the attendance in theory, practicals and tutorials. The internal marks are assigned to students as per the University criteria.
- The University evaluates the students through online MCQs and objective type examinations for CSE.

- Introduction of four sets of question papers for final exams at the end of each semester.
- The institute conducts one surprise test for each course per semester. Two Mid Term test are conducted every semester for internal evaluation of students at institute level.
- The final year students are asked to present their project work in different competitions and also present a paper in paper presentation contests.
- Programming language tests, aptitude tests, soft skill competitions etc. are organized for internal evaluation of students.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

University Evaluation:

The institution has strictly followed the examination system as prescribed by the Shivaji University, Kolhapur.

The evaluation reforms of the university are followed in the best of the spirit. The institute conducts examinations as per the university schedule. Some Programmes have online examinations, for which the institute has enough infrastructure to conduct these exams.

Institute Evaluation:

The institute organizes parents meet once every semester. The performance of students in University Examination, Mid-term Tests, and Attendance is shown to their parents.

Class tests are taken and record is kept. Whenever class tests are conducted, the results of the student's performance/awards are shown to the students to encourage them for better future performance.

Students can apply for re-evaluation and re-verification Revaluation procedures of the University regarding the end semester examinations.

2.5.4 Provide details on the formative and summative evaluation approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system?

Formative

- As the institute is affiliated to Shivaji University Kolhapur, Maharashtra reforms and regulations of the university in examinations and evaluation are followed.

- The institute conducts two Mid Term Tests every semester and judges the performance of students based on their results.
- Formative approach to evaluation includes measuring the student's achievement through seminars, workshops, class tests and paper presentations.
- A visit report is asked to prepare after the students come back from an Industrial tour.

Summative

- Final year students carry out Project work as a part of the curriculum. The evaluation of the Project is split into criteria's like logical reasoning, understanding of the topic, coding, testing, results and discussion etc.
- There are few subjects having allotted either 25 or 50 marks for internal evaluations. These marks are further split to consider Theory attendance, Practical attendance, Orals, Performance, Timely completion etc.
- University theory exams are of 100 marks and external oral exams are of 50 marks for which the evaluation is done by external examiners.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

There is complete transparency in the internal assessment. The criterion adopted is as directed by the University.

- All the students are familiarized about the transparency in internal assessment. Each subject is evaluated through internal and external exams.
- Spreadsheets are prepared which reflect students attendance in theory, practical, tutorial, orals etc. and marks are assigned based on each of these individual units.
- The marks obtained by students in two Mid Term tests and a surprise test are considered in evaluating internal marks.
- A defaulter list is displayed at the beginning of every month which reflects student's attendance in the previous month. Appropriate actions are taken by making students to write assignments or solve question papers.

- Parents meet is called every semester to display their ward's performance in that semester.
- As a part of continuous assessment, students are given opportunity to indulge themselves in participating into activities like paper presentations, poster presentations, group discussions etc.
- Five to ten days training on Soft Skills and Aptitude is given to third year and final year students every year.

2.5.6 What are the graduates attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

Following are the graduate aptitudes specified by the institute -

- Knowledge of Mathematics, Science and Engineering
- Data Analysis
- System Design
- Teamwork
- Solutions to Engineering problems
- Professional Ethics
- Effective Communication
- Impact of Engineering Solutions
- Lifelong Learning
- Contemporary Issues

Attainment

- To achieve course outcomes, innovative ideas and strategies are implemented by teachers for better Teaching – Learning.
- There is subject at second and third year level for some departments where soft skills are taught in which students learn professional ethics, manners and etiquettes.
- A mandatory course on communication skills is outlined in the University syllabus for the students in the first year. This helps students to improve their reading, writing and understanding skills of the language.
- Students are motivated to use newest hardware and software tools for solving engineering problems. In doing so, they face wide variety of challenges like designing the problem, issues involved in implementing the problems, analysis of data, active participation and self-adaption in the team.

2.5.7. What are the mechanisms for redressal of grievances with reference to evaluation both at the institute and University level?

At institute level:

- The answer books of internal examinations are shown to the students after evaluation to bring out the discrepancies. Student's continuous assessment report is displayed on the notice board.
- The Guardian Faculty Member (GFM) of every class maintains the institute level performance of the students.
- The test coordinator maintains the record of the result of Mid Term examinations conducted every semester. The results are also displayed on the notice board.

At University level:

- The student can demand for the photocopy of the answer book of any subject. If the student feels that after reevaluation his/her marks could increase, the student is free to apply for reevaluation with the Controller of Examination, Shivaji University Kolhapur.
- The student is entitled to apply for reevaluation in theory subjects by paying the prescribed fee to the University. The University will take up all such applications and reevaluate the answer books by competent subject teachers. However, if there is no improvement earlier marks will be retained.

2.6 Students Performance and Learning Outcomes

2.6.1 Does the institute have clearly stated learning outcomes? If yes, give detail on how the students and staff are made aware of these?

Yes,

The institute has clearly mentioned learning outcomes by -

- Publishing them in the academic diaries.
- Displaying them in the department premises.
- Publish them on the institute website.
- Publish them in the institute magazine and newsletter.
- The outcomes are also announced during Parents meets, admission campaigns etc.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/ course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

- To monitor and communicate the performance of students, two midterm tests are organized every semester. The result of these tests are included in the internal evaluation of the students
- A defaulter list of every class of every department is displayed at the beginning of the month. This list contains the attendance of all students in all subjects.
- During the parents meet, results of various internal evaluations are shown.
- Healthy communication is maintained throughout the year with the parents/ guardians of the students for making them aware of the students' performance.
- Students who have outshone in academics, sports, cultural and other events are felicitated during Annual Social Prize distribution function.
- The affiliating university conducts Theory/Practical/Online examinations every semester. Result analysis is carried out in every department and the same is communicated to the students and their parents.
- The institute makes use of latest technologies in social networking to communicate the progress and performance of the students to them as well as their parents. The institute uses a SMS system, a student developed social networking site etc. to cut time and even save money and paper.

2.6.3 How are the Teaching, Learning and Assessment Strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Teaching Strategies:

- The institute provides spacious, state-of-the-art class rooms and laboratories to create the best Teaching – Learning ambience. Teachers

attempt to provide students with friendly, lively and challenging atmosphere around the campus for continuous improvements.

- Information and Communication Technology tools provide practitioner policies with a systematic process to formulate, plan and evaluate overall development.
- Beyond the syllabus content is delivered to meet the desired learning outcomes.
- Every staff member always keeps in mind that his/ her student should be employable at the end of the course. They strive hard to inculcate knowledge, values, ethics and importance of responsibilities amongst students.
- Various committees like Mentoring, IQAC etc. have been setup to continuously monitor, assess and accordingly modify the teaching learning process to enhance the leadership of the institute in academics and continue towards maintaining the excellence in the field of education.

Learning Strategies:

- Tutorials are conducted regularly in analytical / design subjects.
- Assignments are made compulsory in all the theory subjects.
- Group Discussions & Debates are arranged by the students on advanced topics.
- Technical quizzes, Paper presentations are arranged through activities.
- E-learning materials and video courses are made available in the central library to enhance learning outcomes.
- Industrial tours are arranged to expose the students to practical pursuits.
- Mini projects form an inherent part of the learning.
- With the collaboration pre-placement training is also given as a part of learning to enhance the employability.

Assessment Strategies:**Direct Assessment:**

- Assessment of students in their Theory/Practical/Oral University examinations.
- Assessment of students in Mid Term tests, surprise tests, group discussions, etc.

Indirect Assessment:

- Survey of Alumni
- Student Exit feedback
- Parent feedback
- Final year projects assessed by industry personnel

2.6.4 What are the measures/ initiatives taken up by the institution to enhance the social and economic relevance (quality jobs, entrepreneurship innovation and research aptitude) of the courses offered?

- The institute has a tie up with SEED INFOTECH which imparts soft skill and aptitude skill training to students. This firm also provides pre-placement training to final year and pre-final year students to enhance their employability.
- The institute has set up an Entrepreneurship and Development cell whose primary aim is to provide these budding engineers a glimpse or jumpstart to how to start an industry. This cell provides information to students about government schemes and aids in starting new industry. The cell also focuses on different options available in raising the capital money to start an industry on small scale. Government professionals and industry experts are called to deliver talks on entrepreneurship.
- The Training and Placement cell actively conducts training for student's right from second year to final year for preparing them to face future challenges after they graduate. TPO cell has also formed a committee named "SPACE" which is run for the students by the students.
- Proposals are also sent to the funding agencies like UGC, AICTE, etc. to apply for research project thereby motivating the faculty to carry out research. The research and development cell actively works for the purpose of getting grants from these bodies to promote research awareness amongst students and faculty.
- Students from disciplines like civil engineering and mechanical engineering take up projects directly connected with environmental and social issues. They carry out projects by conducting deep research so that the outcome is beneficial to mankind.

2.6.5 How does the institute collect and analyze data on student learning outcomes and use it for planning and overcoming barriers of learning?

The institute collects the data from the stakeholders on regular basis so as to plan and improve the barriers of learning in the following way –

- Exit feedback is taken from the outgoing batch of final year students every year. This helps the departments to improve on any discrepancies found in the feedback.
- The feedback from the alumni is taken. The questionnaire consists of points needed to bring in new processes for students to increase employability. Every year Alumni meet is also arranged.
- Feedback from the parents is also collected. Parents are asked to give their views on the infrastructure, library facility, placement activities etc. General issues are taken into consideration based on the outcome of their feedback.
- The result analysis of University Theory/ Practical/ Oral examinations along with the internal examinations is carried out. This greatly helps to overcome any barriers in learning. Student weaker areas are identified and planning is modified accordingly.
- The feedback collected from the stakeholders is analyzed and the necessary modifications in the curriculum and evaluation strategies are suggested to the affiliating university to meet the desired learning outcomes.

2.6.6 How does institution monitor and ensure the achievement of learning outcomes?

- Through class monitoring committees.
- Through analysis of continuous internal evaluation in both theory and lab/project subjects.
- Through the exit feedback, Alumni feedback, Industry feedback and Parent feedback.
- Through result analysis of University examination performance in both theory and practical.
- Through the various activities of NSS.
- Through the achievements of students in co-curricular and extracurricular activities.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

Yes,

- Initially teachers plan and prepare lesson plans for the course they will be teaching in that semester. He/ she also designs course objectives based on the curriculum of the subject. In the course of teaching, the faculty makes effective use of innovative teaching aids and educates the students so that the outcomes fulfill the objectives.
- After the University results are out, the analysis of the result is used by the faculty as an indicator for evaluating student performance. The faculty thoroughly finds out whether learning objectives and planning is met or not. And if required fine tunes the strategy of teaching.
- The students are continuously engaged in co-curricular and extra-curricular activities like, paper presentations, poster presentations, group discussions, tree plantation etc. The outcomes of these activities result in finding the expertise of students in different areas. Some students show phenomenal results in programming contests thereby showing the ability to solve computer science problems. Few students are very good in mathematics and yield quick results in finding solutions to mechanical engineering problems. Students of Electronics background collaborate with other disciplines to carry out a joint project. These outcomes are used as indicators to evaluate student performance, achievement of learning objectives and planning.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENTION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

No

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, The institute has a research committee to monitor and address the issues of research.

Composition of the Research Committee:

Table 3.1 Composition of the Research Committee

Sr. No.	Name of Faculty	Position	Designation
1	Dr. Suhas S. Patil	Chairman	Principal Bharati Vidyapeeth's College of Engg. Kolhapur
2	Dr. Y. K. Kanse	Ext. Academic Member	Professor, Department of Electronics Engineering K.B.P.C.O.E, Satara
3	Ms. J. K. Patil	Member	Head, Department of Electronics and Telecommunication Engineering
4	Mr. S. B Takmare	Member	Head, Department of Computer Science and Engineering
5	Mr. S. J. Kadam	Member	Head, Department of Mechanical Engineering
6	Mr. V. S. Kadam	Member	Head, Department of Civil Engineering
7	Dr. K. R. Desai	Member	Head, Department of Electronics Engineering
8	Mr. P. A. Patel	Member	Head, Department of IT Engineering
9	Mr. S. S. Pawar	Member	Asst. Professor Department of Electronics and Telecommunication Engineering

Functions of Research Committee:

- To establish institute as a Research Centre of affiliating University.
- To address the issues of research and suggest recommendations with their impact.

- To provide adequate infrastructure and support in terms of technology and information needs.
- To improve Research publications of faculty and students.
- To create awareness among the students and faculty on the culture of research and aptitude.
- To obtain information once in semester in the prescribed format on faculty involvement towards guiding students, paper publications, research projects from external funding agencies and in collaborative research activity.
- To conduct / participate in workshops, training program and sensitization programmes on capacity building in terms of research and consultancy and imbibing research culture among faculty and students.
- To arrange guest lecturers under Institute-Industry-Interaction programmes to promote research on industry needs.
- To modernize the existing laboratories with additional experimental setups/ instruments and technology for utilizing the laboratories for research activity.
- To sponsor faculty and students to present papers at National /International conferences as per the stipulated guidelines mentioned in the Quality Document of the institute.
- To motivate faculty and students for research activities.

Impact on recommendations:

- Trend in Ph.D. enrolment of the faculty has increased.
- Conducts frequent awareness programmes to both students and faculty encouraging them to take up industry/society oriented projects.
- Existing laboratories are modernized with additional equipment and experimental set-ups to promote research activity in the campus.
- Institute deputed faculty to present/publish papers at various National and International conferences/journals.
- Faculty Publications National/ International journals and Conferences have increased compared to the previous years.
- Faculty members have also applied for different funding agencies such as AICTE for workshop, seminar and Laboratory development.
- Departments have applied for various funding agencies like DST, Rajiv Gandhi and AICTE under the schemes of MODROBS and RPS.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

Institute has yet not received funding from funding agency, but is regularly applying. Following measures are taken by the institution to facilitate smooth progress and implementation of research schemes/projects if funds are sanctioned.

- **Autonomy to the Principal Investigator**

Principal Investigator (PI) has autonomy to select the area of research and implement the project.

- **Adequate Infrastructure and Human Resources**

Institute has established some laboratories such as Robotics laboratory under E-Yantra scheme from IIT Bombay with necessary hardware, software and computing facilities to carryout research projects on robotics. Central library facilities are enhanced with National and International journals, digital library, hand books, reference books and material related to research activity.

- **Time-off, reduced teaching load, special leave etc. to teachers**

Faculties working on research work are given duty leave additional to academic leave for attending the workshops/seminars relevant to their research work and associated works.

- **Support in terms of technology and information needs**

The Institute/Department encourages the students and faculty to utilize the laboratories, library, computer centre and software for carrying out their research work. Institute also provides facility for obtaining the necessary information and technology from external sources.

- **Facilitate timely auditing and submission of utilization certificate to the funding authorities**

Till date Institute has not received any external fund from funding agencies for research projects.

- **Any Other**

The Institute invites reputed researchers during faculty development programmes to share their experiences to enhance the research culture in the campus.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The institute has established a Research Committee to promote research and consultancy activity. Guest lectures by eminent academicians and industrialists are arranged to create awareness and interest among the students and faculty on research and funding resources.

- Institute promotes In-house projects and encourages for sponsorship from external agencies.
- Institute provides seed money towards paper presentations, attending Research orientated workshops, seminars etc.
- The students are encouraged to participate in different Programming, Project Competition, Technical paper competitions held at various colleges.
- Institute arranges National Conference on Emerging Trends in Engineering and Technology every year.
- Institute provides infrastructure to departmental research for procuring necessary equipment and software.
- Institute organizes various competitions such as C-Pro, Creanturous and Analog Maker.
- Institute arranges various training programs/workshops/seminars for enhancement of technical, soft skill development and creating aptitude among the students.
- Students are also motivated to participate in inter Institute/university level research competitions like Avishkar.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

With the encouragement and motivation provided by the Institute, some faculties have obtained their Ph.D. degrees and many faculties have registered for Ph.D.

Table 3.2 Faculty involvement in active research

Sr. No	Name of Faculty Expertise	Department	Research activity	Area of Specialization	Status
1	Ms. J. K. Patil	ETC Engineering	Ph.D. Research Work	Image processing	In-progress
2	Mr. S. S. Pawar	ETC Engineering	Ph.D. Research Work	Digital Signal Processing	In-progress
3	Mr. M. S. Sonawane	ETC Engineering	Ph.D. Research Work	Digital Signal Processing	In-progress
4	Mr. S. B. Jadhav	ETC Engineering	Ph.D. Research Work	Image processing	In-progress
5	Mr. U. S. Sagare	ETC Engineering	Ph.D. Research Work	Image processing	In-progress
6	Mr. S. J. Kadam	Mechanical Engineering	Ph.D. Research Work	Production	In-progress
7	Mr. P. B. Patole	Mechanical Engineering	Ph.D. Research Work	Production	In-progress
8	Mr. A. P. Kadam	Mechanical Engineering	Ph.D. Research Work	Heat & Power Engineering	In-progress
9	Mr. R. B. Lokapure	Mechanical Engineering	Ph.D. Research Work	Thermal Stream	In-progress
10	Mr. A. R. Jadhav	Mechanical Engineering	Ph.D. Research Work	Heat & Mass Engineering	In-progress
11	Mr. V. S. Kadam	Civil Engineering	Ph.D. Research Work	Water Resource Engineering	In-progress
12	Dr. K. R. Desai	Electronics Engineering	Ph.D. Research Work	Communication	Completed
13	Mr. A. R. Kittur	Electronics Engineering	Ph.D. Research Work	Communication	In-progress
14	Mr. V.T. Korishetti	Electronics Engineering	Ph.D. Research Work	Communication	In-progress
15	Dr. S. K. Shinde	Information Technology	Ph.D. Research Work	Software Engineering	Completed

16	Ms. P. B. Pandharbale	Information Technology	Ph.D. Research Work	Data Mining	In-progress
17	Mr. D. V. Sawant	General Engineering	Ph.D. Research Work	Organic Synthesis	In-progress
18	Mr. R. K. Chougale	General Engineering	Ph.D. Research Work	Electrical Power System	In-progress
19	Mr. K. S. Joshi	General Engineering	Ph.D. Research Work	English Literature	In-progress
20	Ms. V. A. Desai	General Engineering	Ph.D. Research Work	English Literature	In-progress
21	Dr. Ms. R. D. Patil	Library	Ph.D. Research Work	Library Science	Completed

Some of the faculties are registered supervisor for different universities and are guiding research scholars.

Faculty involvement in Guiding Research students/ Higher Qualification/ Research Projects during last 4 years.

a) Faculty involvement in Guiding Research Students (Ph.D.):

Table 3.3 Faculty involvement in Guiding Research Students (Ph.D.)

Activity	Name/s of faculty involved	Number with Status	
		Completed	In progress
Guiding Research Scholars	Dr. Suhas S. Patil	-	02
	Dr. Ms. S. R. Chougule	-	07

b) Faculty involvement in Guiding Higher Qualification (M.E.):

Table 3.4 Faculty involvement in Guiding Higher Qualification (M.E.)

Sr. No.	Department	Name/s of faculty Involved	Number of Students with Status	
			Completed	In progress
1	ETC Engineering	Dr. Suhas S. Patil	--	07
2		Ms. J. K. Patil	08	10
3		Dr. K. R. Desai	12	06
4		Mr. S. S. Pawar	08	07
5		Mr. S.B. Jadhav	--	02
6	Computer Science and Engineering	Mr. S. B. Takmare	02	08
7		Mr. R. P. Mirajkar	00	08
8	Mechanical Engineering	Mr. S. J. Kadam	03	06
9		Mr. A. P. Kadam	01	08
10		Mr. P. B. Patole	--	08

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

The institute organizes interdisciplinary and department-wise workshops, training programmes and seminars focusing mainly on capacity building in terms of research and also to create research culture among staff and students. The following are the details of such activities conducted during last four years

Details of Workshops/ training programmes/ sensitization programmes Conducted/ organized by the institution

Table 3.5 Workshops/ Training programmes

Branch	Year	Name of the Workshop / Seminar	Name of Resource Person	Beneficiary Faculty/ Students
ETC Engineering	2016-17	ISTE approved one week STTP on Recent Trends in Advanced Communication and Embedded Systems	Dr. M. K. Bhanarkar, Professor, Dept. of Electronics, S.U.K.	Faculties & PG Students
			Dr.M.S. Kumbhar, R.I.T. Sakhrale	
			Mr. Pravin B. Desai A.M.G.O.I. Wathar	
			Dr. K. R. Desai BVCOE Kolhapur	
		Two Days workshop on Embedded Systems	Mr. Pravin B. Desai A.M.G.O.I. Wathar	UG Students
		One Day Workshop on PCB Design	Mr. Sagar Rathod, Student, ETC Engg.	Students
2015-16		Seminar on Animation Engineering	Mr. Satyam Gujar Shivaji University Kolhapur	Students
		Seminar on Atomization	Mr. Vinit Kulkarni EIE Project India Pvt.Ltd. Pune	Students
		Seminar on PLC SCADA	Mr. Amol Patil EIE Project India Pvt.Ltd. Pune	Students

	2014-15	“Measurement Techniques in RF” by Agilent Technologies	Mr. Vivek Murkute Techno Field Solutions, Pune	Faculty
		ISTE approved one week STTP on Recent Trends in Advance Network System & Image Processing	Mr. Nilesh Thakre Executive Engineer, ADCC Infocad, Pune	Faculty & PG Students
			Mr. Santosh Mahagonkar Nobal Institute of Computer Technology, Belgaum	
			Dr. Sachin Ruikar Walchand College of Engineering Sangli	
	Mr. Pranav Lapsivala Sarvajanik College of Engineering & Technology, Surat, Gujarat			
	2013-14	Two Days Workshop On MSP430 16-bit Microcontroller	Mr.Sachin Bhingare Mr. Arjun Haque, Edgate Technology, Bangalore	Faculty
		ISTE approved one week STTP on Recent Trends in Communication Engineering and Technology	Mr. Prakash Dudharkar, Mr. Pradip Choudikar Atomizes Solution Mumbai	Faculty & PG Students
			Prof. Shivaprasad K. Tilekar Department of Electronics S. M. Mahavidyalay, Akluj	
			Dr. Ms. S. R. Chougule BVCOE Kolhapur	
			Prof. Santosh Mahagavkar Nobal Institute of Computer Technology, Belgaum	
Dr. V. S. Bandal Professor, College of Engineering, Pune Ms. Kanchan Pujari, Asst. Professor All India Shree Shivaji Memorial College of Engg. Pune				
Computer Science and Engineering	2016-17	One Day Workshop on Android App Development Fundamentals	Mr. Dhanajay Padalkar, Director, Vishwanet Computers Pvt.Ltd., Kolhapur	Students
		A Seminar on Big Data Hadoop	Mr. Sangram Patil, Software Developer, Computer World, Kolhapur	Students
		A Seminar on Linux	Mr. Yogesh Babar, Senior Software Developer RedHat Pune.	Students

	2015-16	A Workshop on "Core Java"	Mr. Mandar Jog Center Head Lead SME(JAVA) Seed InfoTech, Kolhapur	Students
		Android Workshop	Mr.Gopinath Langote, WCE,Sangli Mr. Mahadev Vyavahare, WCE,Sangli Mr. Raj Jadhav. Software Developer, Symantec,Pune	Students
	2014-15	A National Level C-Programming Contest "C-PRO2015"	Mr. Onkar R. Barve, Mr. Sagar Patil Shivaji University, Kolhapur	Students
		Workshop on "Basics of Networking"	Mr. Anil Wadikar, Vishwanet Computers Pvt. Ltd., Kolhapur	Students
	2013-14	A Seminar on Guidelines on Project Selection and Paper Writing	Mr. A. B. Chougule, HOD, Computer Science and Engineering, BVCOE, Kolhapur	Students
		Two Days Faculty Development Programme on "Recent Trends in Computer Science and Engineering and Information Technology"	Ms. A.C. Admuthe, Assistant Professor & PG Coordinator, RIT Sakharale. Mr. Amit Alone, Software Developer, Cognition, Kolhapur Mr. G.A. Patil, Head, Department of Computer Science and Engineering, DYPCOE, Kolhapur	Faculty
		A Workshop on Network Engineering	Prof. Dilip J. Saini, Satara College of Engineering and Management	Faculty
		A Workshop on Java under Free Open Source Software (FOSS)	Remotely Conducted by IIT Mumbai offered by Spoken Tutorial Project IIT Bombay, funded by National Mission on Education through ICTE, MHRD and Government of India.	Students

		An ISTE- STTP Workshop on "Advancements in Computer Engineering and Technology"	Mr. B.D. Jitkar, Chief Guest and Speaker Ms. A.C. Admuthe, Dr. Ms. S.R. Chougule, Principal, Mr. A B. Chougule, Convenor. Red Hat and Fujitsu	UG & PG Students
		A Workshop on "LATEX"	Mr. Yamin Hakim, Assistant Professor, Government College of Engineering, Karad	Students
		Workshop on Web Technology	Mr. Sagar Sawant Asst. professor, Rajarambapu Institute of Technology, Sakhrale	Students
		"Staff Development Program" Seminar on Introduction to Analytical Skills	Dr. Shivram Bhoje, Retd. Indian Nuclear Scientist and Ex. Educational Advisor, Shivaji University, Kolhapur	Faculty
Mechanical Engineering	2016-17	National Conference on Emerging Trends in Engineering & Technology (NCETET 2K17)	Mr. Pratapsinh Desai President, ISTE New Delhi.	Students
		National technical Event "Crenatures 2K17"	Mr. Madan Kulkarni MD, Kalkruti Industries	Students
		Institutional Training Program on "SAVE FUEL yaani, SAVE MONEY" Association with PCRA	Prof. M. M. Wagh Dept. of Technology Shivaji University, Kolhapur	Students
		"SKILL-Mart" Introductory Lecture for Piping Design and Engg., NDT Test for Pressure Vessel, Advanced Diploma In Industrial Safety	Mr. Prasad Haibath, Mr. Kalpen Shukla Mr. Mohan Kamat	Students

	2015-16	National Conference on Emerging Trends in Engineering & Technology (NCETET 2K16)	Mr. Vishwas Kadam Ex. Head of Compliance and Governance Shell & Oil Company, Brunei, Dr. S. H. Sawant Dean Faculty of Engg. and Tech.SUK.	Students
	2014-15	A Two Days FDP on ANSYS – Analysis Software	Mr. S. M. Pise Associate Professor KIT Kolhapur Mr. Pranav Abhyankar Director, Abhyankar Consultant, Kolhapur	Faculty
		National Level Competition “CREANTURUOS 2013”	Mr. B. Y. Kodolkar Technical Director, Tough Casting Pvt. Ltd.	Students
	2013-14	Seminar on CAD-CAM Softwares	Mr. Amol Sawant CAD Centre, Kolhapur	Students
Civil Engineering	2016-17	Technical Seminar on Soft Skill development and Concrete Technology	Mr. Hemant Jain Regional Technical Manager, Ultratech Cement Ltd.	Students
		Technical Seminar on Introduction to Civil Engineering Software's	Mr. Ashish Shete Design Engineer, President Informatics Kolhapur	Students
	2015-16	Seminar on "Introduction to 3D Modeling software in Civil Engineering"	Mr. Satyam Gujar Shivaji University, Kolhapur	Students
	2014-15	A Two Days FDP on “Foundation Course on STAAD PRO”	Mr. Abhinandan Bhaktadali Sterling Engineering Services Mumbai	Faculty
	2013-14	Workshop on “ Total Station”	Mr. Rohit Ghatage, Icon Services Kolhapur	Students
Electronics Engineering	2016-17	Seminar on “Gravitational Waves”	Mr. Chinmay Kalghatgi Research Scholar, U.S.A.	Students
		ISTE Approved One Week STTP on Recent Trends in Advanced Communication and Embedded Systems	Dr. M. K. Bhanarkar Dept of Electronics, S.U.K.	Faculty
			Dr. M. S. Kumbhar R.I.T. Sakhrle	
			Mr. Pravin B. Desai A.M.G.O.I. Wathar	
Dr. K. R. Desai BVCOE Kolhapur				

	2015-16	NIL	NIL	
	2014-15	Project Competition (PROTRONIX 2K15)	Dr. R. K. Kamat Shivaji University, Kolhapur	Students
		Alumni Guest Lecture	Mr. Sukrut Bhandare Control System Department, USA	Students
		Seminar on Electronic Circuit Analysis & Design for SE Students	Mr. S. V. Vanmore Asst. Professor, SETI, Panhala	Students
		Guest Lecture on Electromagnetic Engg	Mr. P. B. Ghewari Associate Professor, AMGOI, Vathar	Students
Information Technology	2013-14	Technical Seminar on "Operating System & Linux"	Mr. D. D. Mahajan, Asst. Professor, KIT COE Kolhapur	Students
		Seminar on "Research, Development & Higher Studies"	Dr. S. H. Patil, Professor, BVU COE Pune	Students

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

All departments are strengthened with qualified and experienced faculty. Based on the research specializations, research groups or individuals take up projects and publish papers in reputed journals. The research areas and the respective faculty expertise are given in the table below.

Table 3.6 List of research areas and the respective faculty expertise

Sr. No.	Research Area	Faculty Expertise
Department of Electronics and Telecommunication Engineering		
1	Digital Signal Processing & Image Processing	Dr. Suhas. S. Patil
2	Image Processing	Ms. J. K. Patil
3	Embedded System & Cryptography	Mr. S. S. Pawar
4	VLSI Design	Ms. A. H. Tirmare
5	Embedded System, VLSI Design and Image Processing	Mr. S. B. Jadhav
Department of Computer Science and Engineering		
6	Compiler Construction	Mr. R. P. Mirajkar
7	Database Engineering	Mr. S. S. Takmare
Department of Mechanical Engineering		
8	CAD/CAM/CAE Design	Mr. S. J. Kadam
9	Power Engineering	Mr. A. P. Kadam
10	Production Engineering	Mr. P. B. Patole

Department of Electronics Engineering		
11	Communication Engineering	Dr. K. R. Desai
12	Embedded System	Mr. V. T. Korishetti
Department of General Engineering		
13	Analysis of Heavy and Toxic Metals.	Dr. P. N. Patil
	Method Development and Validation of Various Pharmaceuticals.	
14	Organic Synthesis	Dr. P. G. Umape

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- The Institute organizes National Conferences, Workshops and Seminars as the important tools of collaboration where experts from academia, R&D and industries are invited for delivering special lectures and interact with teachers and students.
- Various short-term training programs for faculty are organized, for which experts are invited to deliver special lectures and deliberations on important issues.
- Institute arranges seminars and interactions by eminent personalities from industry and institution of repute for better understanding of research methodology and practices currently followed.
- Initiate and promote MOU's with industries and R&D organizations.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

The Institute provides duty leave to faculty instead of sabbatical leave for participating and presenting papers at National & International conferences and attending workshops/seminars. More than 25% of faculty has availed this facility.

The facility given by the Institute has contributed to improve the quality of research in the following ways:

- Enhance knowledge levels in research activity and teaching learning process.
- Increase in number of faculty with Ph.D qualification.
- Encouraged faculty to apply for research projects from various state and central government organizations.

- With the expertise in the areas of faculty specialization, the laboratories are modernized to carry out research activity.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

- The students are given exposure through seminar/conference/workshop.
- Preference is given to take up projects related to Industrial and society needs.
- Giving Publicity to the student's project that is beneficiary to social community through local newspaper and Institute website.
- Student & faculty achievers are felicitated by management and principal. This helps to create awareness about the research activities in the student & teaching community as well as motivates other students.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research?

Give details of major heads of expenditure, financial allocation and actual utilization.

About 5% of total budget is normally earmarked towards research activity every year.

The detail of major heads of expenditure, financial allocation and actual utilization is as shown below:

Table 3.7 Budget Allocation for Research

Particulars	Utilized amount A.Y. 2016-17	Utilized amount A.Y. 2015-16	Utilized amount A.Y. 2014-15	Utilized amount A.Y. 2013-14
Information Resources book/Journals	11,15,794/-	15,99,750/-	9,89,551/-	9,18,366/-
Laboratory Equipment	25,429/-	20,93,920/-	16,36,980/-	3,19,350/-
Conference	17,6247/-	3,63,837/-	1,19,400/-	79,500/-
Workshop/Seminars	10,030/-	24,850/-	37,965/-	28,000/-
Total	13,27,500/-	40,82,387/-	27,83,896/-	13,45,216/-

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed in the last four years?

Yes, the institution has provision to provide seed money to the faculty for research activities for patent filing, participation and presentation of paper at State, National and International level seminars/ conferences. Institute also provides duty leave to faculty to attend the same.

Table 3.8 Seed Money to the faculty for research

Academic Year	Amount disbursed in Rs.	No of faculty availed
2016-17	9,950/-	05
2015-16	58,461/-	08
2014-15	21,385/-	04
2013-14	3,500/-	03

3.2.3 What are the financial provisions made available to support student research projects by students?

- Students can use Institute infrastructure and resources for carrying out their projects.
- The students of every department are encouraged to carry out research projects. Project laboratory which consists of necessary hardware and software for project are provided to students.
- The students are encouraged to get sponsorship from various industries/institute for their final year project in terms of required hardware, consumables (components and chemicals) and testing material.
- For in-house projects raw material, components, chemicals, General purpose PCB are provided by Institute.
- Institute organizes National Level Technical Conference, Project Competition, provides funds for prizes, certificates and other expenses to encourage student research project.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenge faced in organizing interdisciplinary research.

- Every department encourages students for undertaking inter-disciplinary project for their final year. Example is shown in table 3.9

Table 3.9 Departments/Units/Staff undertaking inter-disciplinary research

Department	Name of Project	Name of Guide	Interdisciplinary branch
Electronics and Telecommunication Engineering	Intelligent Bioassay process	Mr. M.S. Sonawane	Pharmacy
	Tensile strength measurement for foundry sand bricks	Ms. P. S. Mali	Civil Engineering
Mechanical Engineering	Advanced Mileage Indicator for an automobile vehicle using a feedback control system	Mr. S. J. Kadam	Electronics Engineering
	Design and Fabrication of CNC machine	Mr. A.A. Desai	Electronics Engineering
Civil Engineering	Feasibility study of Geothermal Ventilation system	Mr. V. S. Kadam Mr. M. S. Kulkarni	Mechanical Engineering
Electronics Engineering	Smart meditative communication system for dumb and deaf people	Dr. K.R. Desai	Biomedical Engineering
	Microcontroller based automatic wheel chair using body kinematics	Mr. A. R. Kittur	Mechanical Engineering

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- The institute library subscribes the necessary national & international online journals, text books, reference books and other relevant research material.
- The institute has developed some laboratories as research laboratories by procuring research specific equipment/instruments and software.
- Optimal uses of various Equipment's and Research facilities are ensured by Maintaining log books and usage registers.
- Accesses to laboratories are kept open for staff and students as per their requirement and record of same is maintained.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Yes

Table 3.10 Special grants or finances from the industry

Sr. No	Name of Equipment	Department	Company Name	Total Amount(Rs)
01	Robot KIT	Electronics and Telecommunication Engineering	IIT Bombay, Powai, Mumbai.	55,000/-
02	MSPEXP430FSS29 Kit		TEXAS Instruments, Bangalore	60,000/-
03	MSP-EXP430G2 Kit			
01	Battery 7.2 Ah, 12 V	Mechanical Engineering	IIT Bombay, Powai, Mumbai, Maharashtra – 400076	Donated
02	Inverter 100 W			
03	Rheostat 100 ohms, 2.5A			
04	Solar Cell (4X4)			
05	4 Quadrant Supply			
06	Life Time testing kit			
07	PV Module Kit			
08	Solar Simulator			

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

- The institute provides the necessary infrastructure, internet along with printers for carrying out their research activities.
- The institute deputed faculty to faculty development programs, skill enhancement programs related to research projects.

Table 3.11 Research funds from various funding agencies

Project Nature	Duration Year From To	Title of the Project	Name of the Funding Agency	Total Grant		Total Grant Received till date (In Rs)
				Sanctioned (In Rs)	Received (In Rs)	
Industry Sponsored	2015-16	Training to employees	Shriyesh Auto Care	6000/-	6000/-	6000/-

		Cube Teasing Report	Family Farming Producer company Ltd. Old Pargaon, Tal - Hatkanlage, Kolhapur	700/-	700/-	700/-
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3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- State of art laboratories with advanced hardware and softwares.
- Institute has established research laboratories and project laboratories which are availed by the faculty and students.
- Furnished central library with adequate number of books, National, International Journals, E-journals (IEEE:-ASPP, ASME, ASCE), Science Direct with 24hrs.
- E-Learning material such as NPTEL lectures of various subjects are made available.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- Institute allocates separate budget every year to enhance research facilities for procuring advanced equipment and necessary software.
- A separate Research and Development Cell has been established to facilitate research and promote research culture among the students and faculty.
- Institute encourages department to apply various proposals/schemes such as AICTE and University proposals for upgrading Laboratory Equipment.
- The Research committee keeps in touch with the recent trends in the research oriented programs.
- The library of the institute is enriched with wide range of books and various national and international journals. Online IEEE journals are also accessible to the researchers.
- Institute takes up initiative to sign MOU's with various reputed industries for upgrading and creating infrastructural facilities.

- Institute plans Short Term Training Program every year for faculties on latest trends and technology.
- Encouraging faculty and students to attend research workshop, seminars and conferences conducted in the Institute and at other organizations.
- The faculty and students regularly visit the industries to get acquainted with industrial problems.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments/ facilities created during the last four years.

Yes

a. Grants received for development of Laboratories.

Table 3.12 Grants received for development of Laboratories

Sr. No.	Branch Benefited	Industry	Name of Equipment	Quantity	Laboratory Developed
1	Electronics and Tele-communication Engineering	Texas Instruments Bangalore	MSPEXP430FSS29 Kit	02	Embedded Systems Laboratory
2			MSP-EXP430G2 Kit	10	
3		IIT Bombay	Robo KIT	03	Robotics Laboratory
4	Mechanical Engineering	National Center for Photovoltaic Research and Education IIT Bombay, Powai, Mumbai	Solar PV Lab Kits	01	Energy Engineering Laboratory

b. Grants received from Lead College for organizing workshop

Table 3.13 Grants received from Lead College for organizing workshop

Sr. No.	Name of Workshop	Grant Received from Lead College	Organizing Branch
1	STTP on "Recent Trends in Advanced Network Systems & Image Processing"	47,150/-	Electronics and Telecommunication Engineering
2	One day Workshop on "MSP 430 16 Bit Microcontroller"	23,000/-	

3	Two days faculty development Program on "Recent Trends in Computer Science and Engineering and Information Technology"	24,477/-	Computer Science and Engineering
4	Advanced Structural Analysis Using ANSYS	17,000/-	Mechanical Engineering
5	One day workshop on "VLSI and Embedded System"	20,000/-	Electronics Engineering.
6	Foundation course in STADD-PRO	17,000/-	Civil Engineering

c. Grants received from Industry for organizing workshop

Table 3.14 Grants received from Industry for organizing workshop

Sr. No	Name of Workshop	Sponsoring Industry	Organizing Branch
1	Measurements Techniques in RF	Procom Enterprises & Techno field Solutions, Pune	Electronics and Telecommunication Engineering
2	One day workshop on Android App development fundamentals	Vishwanet Computer Pvt. Ltd. Kolhapur	Computer Science and Engineering
3	One day workshop on Big Data Hadoop	Software Developer, Computer World, Kolhapur	

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

- Every department of the institute has tie-up with industries for student sponsored projects to promote R & D and consultancy activity.
- Industrial visits are arranged for students to get acquaint with latest development in Industries.
- Institute has license software of Matlab which enables students and researches to acquire online help from team of Mathwork Pvt. Ltd. by providing license number.
- Students are also permitted to build and test the project/modules at different Industry/Institutes if required.

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

Table 3.15 Library/ Information resource center available for researchers

Particulars	Details
Library Area	1116.4 Sq.m.
Titles	4800

Total No. of Volumes	21975
Reference Books	1723
E-Journals	275
Print Journals	36
Magazines	14
Digital Library	Computers, Internet connectivity, E-Learning materials
Timings	9.15 A.M to 06.00 P.M

3.3.6 What are the collaborative research facilities developed / created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

Table 3.16 Collaborative research facilities developed

Sr. No.	Research area	Name of the Collaborative research facility	Collaboration with
Electronics and Telecommunication Engineering			
1	Embedded	Embedded system Laboratory	Texas Instruments & Edgate Technologies
2	Robotics	Robotics Laboratory	IIT Bombay
Mechanical Engineering			
3	Non renewable energy sources	Energy Engineering Laboratory	National Center for Photovoltaic Research and Education IIT Bombay, Powai, Mumbai, Maharashtra

3.4 Research Publications and Awards

3.4.1 Highlight the Major Research Achievements of the Staff and Students in Terms of

- **Patents Obtained and Filed (Process and Product) : Yes**

Table 3.17 List of Patents Filed

Department	Title of Patent Filed	Name of Faculty	Application No.
Electronics and Telecommunication Engineering	Electronic Turmeric Processing	Ms. A. H. Tirmare.	2250/MUM/20133/7/2013
	PCB Plotter Machine using PLC	Ms. P. S. Mali	201621003191
	Smart ATM Machine for Illiterate People	Mr. S. S. Pawar	201621003186
Mechanical Engineering	Design, Fabrication & Analysis of Ground Nut Shelling Machine	Mr. A.R. Kharat	201621003188

	Design, Fabrication & Analysis of Soyabean Moisture Reducing Machine in Soyabean.	Mr. S. V. Pandit	201621003189
Electronics Engineering	Smart Meditative Communicative System for Dumb and Deaf People	Dr. K. R. Desai	2249/MUM/20133/7/2013
	Wireless Snake Robot	Dr. K. R. Desai	201621003190
	Voice Operated Telescope	Mr. V. T. Korishetti	201621003187

Table 3.18 Original Research Contributing to Product Improvement

Department	Title of Project	Original Product	Improvement Done	Faculty
Electronics and Telecommunication Engineering	Seed Block Detection & Remover	Manually Operated	Operated using Android App	Ms. A. H. Tirmare
	ARDUINO Based 3D Printing Machine using CNC	CNC Printing Machine	ARDUINO Based Printing Machine	Mr. P. M. Veeresh
Computer Science and Engineering	SECUREDROID: Detection of Unclear Smartphone Malware	Human Driven Analysis for Potentially Dangerous Applications on Smartphone	System Provided Powerful Model for Fault Injection Based Analysis	Ms. S. M. Mulla
	Crime and Criminal Surveillance Investigation System using Data Mining	There are a Few Frameworks That Helps in the Process of Crime Investigation	This Project Dealt with Study of Data Mining Systems for Analyzing Crime Related Information	Mr. S. B. Patil
Mechanical Engineering	Pneumatically Operated Automatic Blanking Process Machine	Mechanically Operated Machine	Pneumatically Operated Machine	Mr. R. B. Lokapure

	Design And Development of Automatic Piston Ring Feeder Mechanism for Grinding Machine	Manually Feeding of Piston Ring	Automatic Feeding using Piston Ring using Magnet	Mr. S. T. Ghutukade
Civil Engineering	Experimental Study of Light Weight Concrete Using Fly Ash Pellets As Coarse Aggregate	Natural Coarse Aggregate	Fly Ash Pellets As Aggregate	Mr. S. S. Kotwal
	Percentage Replacement of Natural Sand by Crushed Sand	M40 Concrete using Natural Sand as Fine	M40 Concrete using Manufacturing Sand as Fine	Mr. P. P. Desai
Electronics Engineering	Universal Three Axis Wood Engraver Based on Open Source Custom CNC Controller	Manually Operated	Auto Operated	Dr. K. R. Desai
	Smart Home Automation Based on IOT	Manually Operated	Android Operated	Mr. A. R. Kittur
Information Technology	Mi Kalakar	It's A Web Portal on Which Users Can Update Their Talent	System Will Contact the Users Through Emails or Messages	Ms. P. B. Pandharbale
	Air Pollution Detection and Health Reporting	The System Detects the Percentage of CO ₂ in Air	Helps to Detect Harmful Gases in Environment	Ms. P. B. Pandharbale

• **Research Studies or Survey Benefiting the Community or Improving the Services**

1. "Blind Stick" By B.E Electronics and Telecommunication Engineering Students.
2. "Universal Blood Bank Using PIC Microcontroller" By B.E Electronics and Telecommunication Engineering Students.

3. Functional and Structural Planning of “Lonar Vasahat Vidyalaya” Building By Young Inspiration Network BVCOEK Group and Sakal News Paper. By B.E Civil Engineering Students.
4. “Farmer's Plaza: A Cloud-Enabled Mobile And Web Based Application For Farmers” By Ms. S. M. Mulla
5. “Agro Advisory Interface for Agriculture Contingencies” By Mr. S. B. Patil and B. E. CSE Students.
6. “Impact Type Power Operated Groundnut Sheller Machine” By B.E Mechanical Engineering Students.
7. “Development of Rice Threshing Machine” By B.E Mechanical Engineering Students
8. Functional and Structural Planning of “Lonar Vasahat Vidyalaya” Building By Young Inspiration Network BVCOEK Group and Sakal News Paper. By B.E Civil Engineering Students.
9. Construction and Design of Green Building by B.E Civil Student.
10. “MARGDARSHAK” The Bridge Security by B.E Electronics Engineering Students.
11. Hand Gesture Recognition Using RASPBERRY PI & MATLAB by B.E Electronics Engineering students.
12. E-Gram Panchayat Information System By B.E IT Students
13. Android App for Small Sector Worker or Business by B.E IT Students.

• **Research inputs contributing to new initiatives and social development**

1. “Smart Energy Saver Street Light Designing” By B.E Electronics and Telecommunication Engineering Students.
2. “IOT Based Waste Management for Smart City” By B.E Electronics and Telecommunication Engineering Students.
3. “Advanced User Authentication System on Mobile for Signing Digital Transactions” By Ms. S. M. Mulla.
4. “Joint Feature Learning And Clustering Techniques For Clustering High Dimensional Data: A Review” By Mr. S. B. Takmare.
5. “Development of Dewatering System” By B.E Mechanical Engineering Students.

6. "Design And Developed of Solid Waste Collecting Machine" By B.E Mechanical Engineering Students.
7. Functional and Structural Planning of "Lonar Vasahat Vidyalaya" Building By Young Inspiration Network BVCOEK Group and Sakal News Paper. By B.E Civil Engineering Students.
8. Construction and Design of Green Building by B.E Civil Student.
9. "Pill Dispenser" by B.E Electronics Engineering Students.
10. "Soldier Tracking With Health Monitoring" By B.E Electronics Engineering Students.
11. Irrigation System by B.E IT Students.
12. Air Pollution Detection and Health Reporting By B.E IT Students.
13. "PV Solar Controller with 100 Watt Module as A STATCOM for Distribution Utility" By Prof. R. K. Chougale.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes, Institute organizes National Conference every year and publishes its selected paper through partners the details are as given below

Table 3.19 Details of National Conferences

Name of National Conference	Academic Year	Department	Partner For Publication	ISSN No.
National Conference in Emerging Trends in Engineering Technology (NCETET)	2016-17	Mechanical Engineering	International Journal: Golden Research thoughts. Publisher: Laxmi Publication, Solapur	2231-5063
	2015-16	Mechanical Engineering	International Journal: Golden Research thoughts. Publisher: Laxmi Publication, Solapur	2231-5063
	2014-15	Electronics and Telecommunication Engineering	International Journal: Golden Research thoughts. Publisher: Laxmi Publication, Solapur	2231-5063
	2013-14	Information Technology	International Journal: Golden Research thoughts. Publisher: Laxmi Publication, Solapur	2231-5063

3.4.3 Give Details of Publications by the Faculty and Students:

Details of Publications / Paper Presentations / Book Publications by the Faculty during Last 4 Years.

Table 3.20 Publications by Faculty Members (Last 4 Years)

Sr. No.	Department	Name of Faculty	Number of Publications in Last Four Years
1	Electronics and Telecommunication Engineering	Dr. Suhas S. Patil	04
2		Ms. J. K. Patil	25
3		Ms. A. H. Tirmare	10
4		Mr. S. S. Pawar	17
5		Mr. S. B. Jadhav	08
6		Ms. P. S. Mali	14
7		Mr. P. M. Veeresh	07
8		Mr. R. R. Suryawanshi	06
9		Mr. M. S. Sonawane	03
10		Mr. V. S. Mandlik	06
11		Mr. V. D. Patil	06
12		Ms. V. V. Khandare	06
13		Mr. U. S. Sagare	03
14		Mr. K. P. Pawar	02
15		Mr. D. J. Pawar	03
16		Mr. Y. S. Jagdale	04
17		Ms. S. R. Mohite	07
18		Mr. V. Y. Jadhav	04
19		Mr. V. M. Patil	02
20		Ms. S. R. Chougule	25
21		Ms. R. D. Patil	02
22		Ms. R. R. Mahajan	02
23		Mr. S. S. Kulkarni	03
24		Ms. P. H. Dixit	03
25		Ms. R. N. Kulkarni	01
26		Mr. S .S. Nagtilak	03
27		Mr. S. A. Bhosale	01
28		Mr. R. R. Dodake	01
29		Mr. R. K. Gurav	01
30		Mr. S. S. Patil	01

31	Computer Science and Engineering	Mr. S. B. Takmare	20
32		Ms. S. M. Mulla	05
33		Mr. R. P. Mirajkar	09
34		Mr. S. B. Patil	08
35		Mr. P. A. Kharade	01
36		Mr. A. E. Mane	04
37		Ms. R. R. Mudholkar	04
38		Ms. U. P. Nalawade	02
39		Mr. S. E. Kadam	01
40		Mr. V. U. Patil	02
41		Mr. A. B. Chougule	04
42		Mr. N. D. Karande	01
43		Mr. N. S. Kadam	02
44		Ms. K. P. Kulkarni	02
45		Mr. V. S. Pail	01
46		Mr. J. B. Patil	02
47		Ms. K. M. Jadhav	02
48		Mr. K.B. Vaydande	04
49		Mr. M. M. Shinde	01
50		Mr. M.S. Patil	01
51	Mechanical Engineering	Mr. S. J. Kadam	36
52		Mr. J. D. Joshi	01
53		Mr. A. P. Kadam	08
54		Mr. P. B. Patole	14
55		Mr. R. B. Lokapure	03
56		Mr. G. J. Pol	13
57		Mr. A. A. Desai	05
58		Mr. A. R. Jadhav	12
59		Mr. A. R. Kharat	08
60		Mr. S. B. Kamble	09
61		Mr. A. V. Patil	07
62		Mr. M. S. Shinge	09
63		Mr. M. S. Kulkarni	05
64		Mr. R. S. Mithari	09
65		Ms. S. G. Bhosale	07
66		Mr. S. V. Pandit	25
67		Mr. P. D. Rajigare	04
68		Mr. S. P. Jarag	04
69		Mr. K. K. Patil	09
70		Ms. S. K. Darekar	03
71		Mr. I. D. Burse	04
72		Mr. N. T. Desai	02
73		Mr. V. S. Kale	00
74		Mr. S. T. Ghutukade	03
75		Mr. A. A. Deshpande	01
76		Mr. S. S. Patil	01
77		Mr. V. B. Nerle	01
78		Mr. D. B. Power	01
79		Mr. V. S. Kengar	01

80	Civil Engineering	Mr. V. S. Kadam	10
81		Mr. S. S. Kotwal	06
82		Mr. M. M. More	07
83		Mr. V. B. Patil	06
84		Mr. G. S. Adure	08
85		Mr. O. K. Chothe	06
86		Mr. V.S. Tiwari	03
87		Mr. V. V. Mane	01
88		Mr. P. A. Nadgauda	01
89		Mr. P. P. Desai	01
90		Mr. A. R. Patil	01
91		Mr. A. K. Chorage	02
92	Electronics Engineering	Dr. K. R. Desai	26
93		Mr. A. R. Kittur	03
94		Mr. V. T. Korrishetti	02
95		Mr. V. B. Patil	03
96		Mr. A. K. Chougule	04
97		Mr. S. S. Thorat	01
98		Mr. R. R. Ravan	03
99		Ms. S. V. Manjare	02
100		Mr. S. A. Kadam	05
101		Mr. K. V. Patil	04
102		Mr. P. D. Desai	04
103		Ms. D. M. Torgalkar	01
104		Mr. S. S. Gurav	02
105		Mr. S. M. Patil	02
106	Information Technology	Mr. V. B. Mangave	02
107		Dr. S. K. Shinde	06
108		Mr. P. A. Patel	05
109		Mr. R. S. Kadam	02
110		Ms. P. B. Pandharbale	02
111		Mr. V. U. Patil	03
112		Mr. V. D. Chougule	01
113		Mr. P. A. Kharade	01
114	Mr. K. B. Vaydande	01	
115	General Engineering	Dr. P. G. Umape	07
116		Mr. R. K. Chougale	03
117		Ms. V. A. Desai	01
118		Mr. A. S. Patil	01
119		Ms. S. S. Shinde	00
120		Dr. P. N. Patil	03
121		Mr. V. N. Karande	02
122		Mr. K. S. Joshi	01

Table 3.21 Papers published data

Sr. No.	Name of Faculty	Number of Publications in Peer Reviewed (National)		Number of Publications in Peer Reviewed Journals (Inter National)		Number of Publications in International Data Bases*	4 year Citation Index	No .of Papers With Impact Factor
		NJ	NC	IJ	IC			
Electronics & Telecommunication Engineering								
1	Dr. Suhas S. Patil	-	02	02	-	-	-	02
2	Ms. J. K. Patil	-	09	15	-	13	118	13
3	Ms. A. H. Tirmare	-	-	10	-	10	01	10
4	Mr. S. S. Pawar	-	05	12	-	10	01	10
5	Mr. S. B. Jadhav	-	02	06	-	04	-	04
6	Ms. P. S. Mali	-	-	14	-	14	02	14
7	Mr. P. M. Veeresh	-	01	06	-	06	-	06
8	Mr. R. R. Suryawanshi	-	01	05	-	05	14	04
9	Mr. M. S. Sonawane	-	01	02	-	02	-	02
10	Mr. V. S. Mandlik	-	02	05	-	05	01	03
11	Mr. V. D. Patil	-	-	06	-	06	11	05
12	Ms. V. V. Khandare	-	-	06	-	06	01	05
13	Mr. U. S. Sagare	-	-	03	-	03	-	01
14	Mr. K. P. Pawar	-	-	02	-	02	02	02
15	Mr. D. J. Pawar	-	01	02	-	02	03	02
16	Mr. Y. S. Jagdale	-	-	04	-	04	-	02
17	Ms. S. R. Mohite	-	-	07	-	07	13	07
18	Mr. V. Y. Jadhav	-	-	04	-	04	-	03
19	Mr. V. M. Patil	-	-	02	-	02	-	01
20	Ms. S. R. Chougule	-	07	18	-	18	-	14
21	Ms. R. D. Patil	-	-	02	-	02	-	02
22	Ms. R. R. Mahajan	-	-	02	-	02	03	02
23	Mr. S. S. Kulkarni	-	-	03	-	03	02	03
24	Ms. P. H. Dixit	-	-	03	-	03	-	02
25	Ms. R. N. Kulkarni	-	-	01	-	01	-	01
26	Mr. S. S. Nagtilak	-	03	-	-	-	-	-
27	Mr. S. A. Bhosale	-	-	01	-	01	-	-
28	Mr. R. R. Dodake	-	-	01	-	01	-	01
29	Mr. R. K. Gurav	-	-	01	-	01	-	01
30	Mr. S. S. Patil	-	-	01	-	01	-	01
Computer Science and Engineering								
31	Mr. S. B. Takmare	-	07	13	-	13	01	10
32	Ms. S. M. Mulla	-	02	03	-	03	-	03
33	Mr. R. P. Mirajkar	-	04	05	-	05	-	05
34	Mr. S. B. Patil	-	01	07	-	07	02	06

35	Mr. P. A. Kharade	-	-	01	-	01	-	01
36	Mr. A. E. Mane	-	01	03	-	03	-	03
37	Ms. R. R. Mudholkar	-	01	03	-	03	-	03
38	Ms. U. P. Nalawade	-	-	02	-	02	-	02
39	Mr. S. E. Kadam	-	-	01	-	01	-	01
40	Mr. V. U. Patil	-	-	01	01	02	-	01
41	Mr. A. B. Chougule	-	-	02	02	04	-	02
42	Mr. N. D. Karande	-	-	01	-	01	01	01
43	Mr. N. S. Kadam	-	-	01	01	02	-	01
44	Ms. K. P. Kulkarni	-	-	01	01	02	-	01
45	Mr. V. S. Patil	-	-	01	-	01	-	01
46	Mr. J. B. Patil	-	-	01	01	02	-	01
47	Ms. K. M. Jadhav	-	-	02	-	02	-	02
48	Mr. K. B. Vaydande	-	03	01	-	01	-	01
49	Mr. M. M. Shinde	-	01	-	-	-	-	-
50	Mr. M.S. Patil	-	-	01	-	01	-	1
Mechanical Engineering								
51	Mr. S. J. Kadam	-	12	22	02	24	27	20
52	Mr. J. D. Joshi	-	-	01	-	01	-	-
53	Mr. A. P. Kadam	01	01	05	01	05	-	05
54	Mr. P. B. Patole	-	03	06	05	11	-	06
55	Mr. R. B. Lokapure	-	-	02	-	01	-	01
56	Mr. G. J. Pol	-	06	07	-	07	03	07
57	Mr. A. A. Desai	-	01	03	01	03	-	03
58	Mr. A. R. Jadhav	-	05	07	-	07	02	07
59	Mr. A. R. Kharat	-	01	08	-	08	19	07
60	Mr. S. B. Kamble	-	03	06	-	06	09	07
61	Mr. A. V. Patil	-	01	06	-	06	-	05
62	Mr. M. S. Shinge	-	03	06	-	06	-	06
63	Mr. M. S. Kulkarni	-	-	05	-	05	-	05
64	Mr. R. S. Mithari	-	-	08	-	08	09	06
65	Ms. S. G. Bhosale	-	-	07	-	07	-	05
66	Mr. S. V. Pandit	-	06	19	01	19	08	19
67	Mr. P. D. Rajigare	-	01	04	-	03	-	03
68	Mr. S. P. Jarag	-	-	04	-	04	-	04
69	Mr. K. K. Patil	-	02	07	-	07	-	07
70	Ms. S. K. Darekar	-	01	02	-	02	-	02
71	Mr. I. D. Burse	-	01	03	-	03	-	03
72	Mr. N. T. Desai	-	01	01	-	01	-	01
73	Mr. V. S. Kale	-	-	-	-	-	-	-
74	Mr. S. T. Ghutukade	-	-	03	-	03	-	03
75	Mr. A. A. Deshpande	-	-	01	-	01	-	01

76	Mr. S. S. Patil	-	-	01	-	01	-	01
77	Mr. V. B. Nerle	-	-	01	-	01	-	01
78	Mr. D. B. Power	-	-	01	-	01	-	01
79	Mr. V. S. Kengar	-	-	01	-	01	-	01
Civil Engineering								
80	Mr. V. S. Kadam	05	-	05	-	-	-	05
81	Mr. S. S. Kotwal	01	-	05	-	-	-	05
82	Mr. M. M. More	02	-	05	-	-	-	05
83	Mr. V. B. Patil	01	-	05	-	-	-	05
84	Mr. G. S. Adure	03	-	05	-	-	-	05
85	Mr. O. K. Chothe	03	-	03	-	-	-	03
86	Mr. V.S. Tiware	02	-	01	-	-	-	01
87	Mr. V. V. Mane	01	-	-	-	-	-	-
88	Mr. P. A. Nadgauda	-	-	01	-	-	-	-
89	Mr. P. P. Desai	01	-	-	-	01	-	01
90	Mr. A. R. Patil	-	-	01	-	-	-	-
91	Mr. A. K. Chorage	01	-	01	-	-	-	-
Electronics Engineering								
92	Dr. K. R. Desai	-	02	23	01	17	-	17
93	Mr. A. R. Kittur	-	-	03	-	02	-	02
94	Mr. V. T. Korishetti	-	-	02	-	01	-	01
95	Mr. V. B. Patil	-	-	03	-	03	-	03
96	Mr. A. K. Chougule	-	-	04	-	04	-	04
97	Mr. S. S. Thorat	-	-	01	-	01	-	01
98	Mr. R. R. Ravan	-	01	01	01	01	-	01
99	Ms. S. V. Manjare	-	-	02	-	02	-	02
100	Mr. S. A. Kadam	-	03	01	01	01	-	01
101	Mr. K. V. Patil	-	02	02	-	02	-	02
102	Mr. P. D. Desai	-	-	04	-	01	-	01
103	Ms. D. M. Torgalkar	-	-	01	-	01	-	01
104	Mr. S. S. Gurav	-	-	02	-	02	-	02
105	Mr. S. M. Patil	-	01	01	-	01	-	01
Information Technology								
106	Mr. V. B. Mangave	-	-	02	-	02	-	01
107	Dr. S. K. Shinde	-	-	05	01	05	-	02
108	Mr. P. A. Patel	-	02	03		03	-	03
109	Mr. R. S. Kadam	-	-	02		02	-	01
110	Ms. P. B. Pandharbale	-	-	01	01	01	-	01
111	Mr. V. U. Patil	-	-	03	-	03	-	-
112	Mr. V. D. Chougule	-	-	01	-	01	-	-
113	Mr. K. B. Vaydande	-	-	01	-	01	-	-

General Engineering								
114	Dr. P. G. Umape	-	-	07	-	07	05	07
115	Mr. R. K. Chougule	01	-	02	-	02	-	02
116	Ms. V. A. Desai	-	-	01	-	01	-	01
117	Mr. A. S. Patil	-	-	01	-	01	-	01
118	Ms. S. S. Shinde	-	-	-	-	--	-	-
119	Dr. P. N. Patil	-	02	01	-	01	-	01
120	Mr. V. N. Karande	01		01		01	-	01
121	Mr. D. V. Sawant	-	01	-		-	-	-

Table 3.22 List of Publications with ISSN Number and Impact Factor

Sr. No.	Title of Paper	Journal	ISSN No.	Impact Factor	Authors
Electronics & Telecommunication Engineering					
1	Effect of Soft Decision Quantization In Compression Technique	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Dr. Suhas. S. Patil
2	Microstrip Patch Antenna For Bandwidth Enhancement A Review	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Dr. Suhas. S. Patil
3	Effect of Soft Decision Quantization In Compression Technique	Golden Research Thoughts	2231-5063	4.605 2	Dr. Suhas. S. Patil
4	Microstrip Patch Antenna For Bandwidth Enhancement A Review	Golden Research Thoughts	2231-5063	4.605 2	Dr. Suhas. S. Patil
5	Analysis of Content Based Image Retrieval Plant Leaf Diseases Using Color Shape And Texture Features	Engineering In Agriculture, environment And Food	-	-	Ms. J. K. Patil
6	Image Retrieval System Using Low Level Color & Shape Feature	Imperial Journal of Interdisciplinary Research(IJIR)	2454-1362	3.75	Mr. V. S. Mandlik Ms. J. K. Patil
7	A Review On Wireless Multichannel EEG Recording System	International Journal For Scientific Research & Development	2321-0613	2.39	Ms J. K. Patil
8	Texture Extraction Using Speeded Up Robust Feature (SURF)Method	National Conference On Emerging Trends In Engineering And Tech. (NCETET-17)	2231-5063		Ms. J. K. Patil
9	Fuzzy C-Means Clustering Based Segmentation of Vertebrae In T1-Weighted Spinal MR Images	National Conference On Emerging Trends In Engineering And Technology (NCETET-2017)	2231-5063		Ms. J. K. Patil

10	Detection And Removal of Shadow From Urban High-Resolution Remote Sensing Images Using Object-Oriented Technique	National Conference On Emerging Trends In Engineering And Technology (NCETET-2017)	2231-5063		Ms. J. K. Patil
11	Texture Extraction Using Speeded Up Robust Feature (SURF) Method	Golden Research Thoughts	2231-5063	4.6052	Ms. J. K. Patil
12	Fuzzy C-Means Clustering Based Segmentation of Vertebrae In T1-Weighted Spinal MR Images	Golden Research Thoughts	2231-5063	4.6052	Ms. J. K. Patil
13	Detection And Removal of Shadow From Urban High-Resolution Remote Sensing Images Using Object-Oriented Technique	Golden Research Thoughts	2231-5063	4.6052	Ms. J. K. Patil
14	Analysis of Multiband FIR Filter Bank For Speech Processing Using Interpolation And Decimation	International Journal of Advanced And Innovative Research	2278-7844	0.349	Ms. J. K. Patil, Mr. M. S. Sonavane
15	Comparative Analysis of Content Based Image Retrieval Using Texture Features For Plant Leaf Diseases	International Journal of Applied Engineering Research	0973-4562	-	Ms. J. K. Patil
16	Blood Vessel Segmentation In Retinal Images By Using Gray-Level And Moment Invariants-Based Features				Ms. J. K. Patil
17	Area Efficient On Chip Multiple Output Low Dropout Regulator For Bio-Medical Application	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Ms. J. K. Patil
18	Study of Development of MIMO-Beam Forming Technology For Future Generation System				Ms. J. K. Patil
19	Comparative Analysis of Clustering Algorithms Based On K-Means Clustering				Ms. J. K. Patil

20	Performance Analysis of Haar Wavelet And Adaptive Spectral Wavelet For Color Image Compression.	Journal of Computing Technologies	2278-3814	-	Mr. Y. S. Jagdale Ms. J. K. Patil
21	Analysis of Multiband FIR Filter Bank For Speech Processing Using Interpolation And Decimation.	International Journal For Technological Research Engg.	2347-4718	2.81	Ms. J. K. Patil
22	Performance Analysis of Non-Local Means Filtering For Denoising MRI Images	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Ms. J. K. Patil
23	Performance Comparison And Analysis of Protective And Reactive Protocols For MANET	International Journal of Advanced And Innovative Research	2278-7844	0.349	Ms. J. K. Patil
24	Detection of Kidney Tumor For Computed Tomography Images Using Region Growing Segmentation	International Journal of Advanced And Innovative Research Vol 2 Iss.10, 2013, 2278-7844	2278-7844	0.349	Mr. K. P. Pawar, Ms. J. K. Patil
25	Key Frame Extraction Using Color Histogram Method	International Journal of Scientific Research Engineering & Technology,	2278-0882	3.241	Ms. J. K. Patil
26	Miniature Implantable Biomedical Devices(Wireless)	National Conference On Emerging Trends In Engineering And Technology	2230-7850	-	Ms. J. K. Patil
27	Feature Extraction & Retrieval of Plant Leaf Diseases Using Image Histogram	IJEC, July 2013	0975-3796	1.853	Ms. J. K. Patil
28	Design And Implementation of Binary Tree Architecture For Fast Multiplication	International Journal of Advanced And Innovative Research, Vol.2, Issue 11, Nov 2013,ISSN:2278-7844	2278-7844	0.349	Mr. S. B. Jadhav, Ms. J. K. Patil, Mr. Y. S. Jagdale
29	Analysis of Color Image Compression Using Wavelet Transform Method At Particular Decomposition Level	ISTE National Annual Convention On "Empowering Technical Education To Address Sustainability And Global Competitiveness" At T.K.I.E.T. Warana On 19-21 Dec 2013, ISBN:978-93-5142-315-7, PP-86	-	-	Mr. Y. S. Jagdale, Mr. S. B. Jadhav, Ms. J. K. Patil

30	Implementation of Mobile Recharge Machine Using Microcontroller	International Journal For Innovative Research in Multi-disciplinary Field	2455-0620	4.34	Ms. P. S. Mali, Ms. A. H. Tirmare
31	Hand Gesture Controlled Robotic Arm	International Journal of Advanced And Innovative Research	2278-7844	0.349	Ms. A. H. Tirmare, Ms. V. V. Khandare, Ms. P. S. Mali, Ms. S. R. Mohite
32	Implementation of Robo-Maid Using Controller	International Journal of Advanced And Innovative Research	2278-7844	0.349	Ms. S. R. Mohite, Ms. A. H. Tirmare, Ms. V. V. Khandare , Ms. P. S. Mali
33	FPGA Based Function Generator	International Research Journal of Engineering And Technology (IRJET)	2395-0056	5.181	Ms. A. H. Tirmare , Ms. P. S. Mali , Ms. S. R. Mohite
34	Overview of RISC Processor Using VHDL	International Research Journal of Engineering And Technology (IRJET)	2395-0056	5.181	Ms. S. R. Mohite Ms. A. H. Tirmare, Ms. P. S. Mali ,
35	Advanced Jaggery Making Machine	International Journal of Engineering Research	2321-7758	4.349	Ms. P. S. Mali , Ms. A. H. Tirmare, Mr. V. D. Patil
36	Implementation of Reflow Soldering Oven	International Journal of Emerging Technologies In Engineering Research (IJETER)	2454-6410	-	Ms. A. H. Tirmare, Ms. P. S. Mali, Mr. K. P. Pawar
37	Nonlinear Process Identification And Control Using Neural Networks	International Journal of Innovative Research In Computer Science & Technology (IJRCST)	2347-5552	3.508	Ms. A. H. Tirmare, Ms. P. S. Mali, Ms. S. R. Mohite
38	Advanced Flood Monitoring And Auto Alert System	International Journal of Innovative Research In Computer Science & Technology (IJRCST)	2347-5552	3.508	Ms. A. H. Tirmare, Ms. V. V. Khandare , Ms. P. S. Mali

39	Solar Energy Based Mobile Charger	International Journal of Research In Engineering, IT & Social Sciences	2250-0588	0.343	Ms. A. H. Tirmare, Ms. V. V. Khandare , Ms. P. S. Mali
40	Survey On Leaf Disease Detection And Grading Using Artificial Neural Network(ANN) And Fuzzy Logic	Journal of Image Processing And Artificial Intelligence	-	-	Mr. S. S. Pawar
41	Leaf Disease Detection And Grading Using Image Processing	International Journal For Scientific Research &Development	2321-0613	2.39	Mr. S. S. Pawar
42	Tsallis Entropy And Wavelet Transform Base EEG Signal Classification	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Mr. S. S. Pawar
43	New Proposed Work For Epilepsy Seizure Detection Using Wavelet Based By Artifact Reduction	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Mr. S. S. Pawar
44	Fully Automatic Measurement of Intima Media Thickness In Common Carotid Artery Using B-Mode Ultrasound Video Sequence	International Journal of Advanced And Innovative Research	2278-7844	-	Mr. S. S. Pawar
45	New Proposed Work For Epilepsy Seizure Detection Using Wavelet Based By Artifact Reduction	Golden Research Thoughts	2231-5063	4.605 2	Mr. S. S. Pawar
46	Tsallis Entropy And Wavelet Transform Base EEG Signal Classification	Golden Research Thoughts	2231-5063	4.605 2	Mr. S. S. Pawar
47	Implementation of CAN BUS System And Security For Data Transmitted Between Bus	International Journal For Technological Research In Engineering	2347-4718		Mr. S. S. Pawar
48	Reconfigurable Processor For Binary Image Processing	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Mr. S. S. Pawar
49	Color Texture Classification Using Local & Global Method Feature Extraction	International Journal of Advanced Technology In Engineering And Science	2348-7550	2.870	Mr. S. S. Pawar

50	A Review On Outdoor Scene Image Segmentation	International Journal of Informative & Futuristic Research	2317-1697	5.081	Mr. S. S. Pawar
51	A Review On Channel Allocation Schemes In Mobile Ad Hoc Networks	International Journal of Engineering And Computer Science	2319-7242	1.94	Mr. S. S. Pawar
52	Fully Automatic Measurement of Intima Media Thickness In Common Carotid Artery Using B-Mode Ultrasound Video Sequence	International Conference On Electronics And Computing	-	-	Mr. S. S. Pawar
53	Color Texture Classification Using Local & Global Method Feature Extraction	National Conference On Emerging Trends In Engineering And Technology , 3rd October, 2013, ISSN: 2230-7850	2230-7850	-	Mr. S. S. Pawar
54	Mass Message Transmission Aware Buffer Less Packet-Circuit Switching For 3-D Noc	National Conference On Emerging Trends In Engineering And Technology , 3rd October, 2013	2230-7850	-	Mr. S. S. Pawar
55	Color Texture Classification Using Local Feature Extraction	International Journal of Advanced And Innovative Research	2278-7844	0.349	Mr. S. S. Pawar
56	Low Size And Low Power Consumption Wireless Capsule Endoscopy	International Journal of Advanced And Innovative Research	2278-7844	0.349	Mr. S. S. Pawar
57	Design And Implementation of Rectangular Microstrip Patch Antenna For 2.4 GHz Wireless Applications	Imperial Journal of Interdisciplinary Research(IJIR)	2454-1362	3.8	Mr. S. B. Jadhav , Mr. P. M. Veeresh
58	Design And Implementation of Cloud Based Light Intensity Monitoring And Control System Using Raspberry Pi	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Mr. S. B. Jadhav
59	Multi Target Tracking Inon Overlapping Cameras Using Adaboost	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Mr. S. B. Jadhav
60	Design And Implementation of Cloud Based Light Intensity Monitoring And Control System Using Raspberry Pi	Golden Research Thoughts	2231-5063	4.605 2	Mr. S. B. Jadhav

61	Multi Target Tracking Inon Overlapping Cameras Using Adaboost	Golden Research Thoughts	2231-5063	4.6052	Mr. S. B. Jadhav
62	Grading of Soybean Leaf Disease Based On Segmented Image Using K-Mean Clustering	International Journal of Artificial Intelligence(Ij-AI)	-	4.295	Mr. S. B. Jadhav
63	Grading of Soybean Leaf Disease Based On Segmented Image Using K-Means Clustering	International Journal of Advanced Research In Electronics And Communication Engineering (IJARECE)	2278-909x	-	Mr. S. B. Jadhav
64	Design And Implementation of Binary Tree Architecture For Fast Multiplication	International Journal of Advanced And Innovative Research, Vol.2, Issue 11, Nov 2013,ISSN:2278-7844	2278-7844	0.349	Mr. S. B. Jadhav
65	Real Time Face Selection With Camera Motion Using Open CV	International Journal of Advanced And Innovative Research	2278-7844	4.106	Ms. P. S. Mali
66	Arduino Based 3 Axis PCB Drilling Machine	International Journal of Emerging Technologies In Engineering Research(IJETER)	2454-6410	-	Ms. P. S. Mali
67	Cloud Computing-Overview	International Journal of Engineering And Computer Science	2319-7242	4.3098	Ms. P. S. Mali, Ms. S. R. Mohite
68	Nonlinear Process Identification And Using Neural Networks	International Journal of Engineering Sciences & Research Technology, June 2014	2277-9655	4.116	Ms. P. S. Mali
69	A Literature Review On Computation of Floating Point Logarithmic Unit	International Journal of Advanced And Innovative Research	2278-7844	4.106	Mr. P. M. Veeresh, Mr. V. D. Patil, Mr. M. S. Sonawane
70	Wireless Boat For Rescue Operation	International Journal of Advanced And Innovative Research	2278-7844		Mr. V. D. Patil, Mr. P. M. Veeresh , Mr. V.S. Mandlik
71	Pen drive To Pen drive Data Transfer Without Using PC	National Conference On Emerging Trends In Engineering And Tech.	2231-5063	-	Mr. V. S. Mandlik

72	Implementation of Controlling Device Based On Thermo Actuation Using COMSOL4.3	International Journal of Advanced And Innovative Research	2278-7844	0.349	Mr. P. M. Veeresh , Mr. V. Y. Jadhav, Mr. S. S. Kulkarni
73	Analysis of Floating Point Fused Multiply-Add With Reduced Power	National Conference On Emerging Trends In Engineering And Technology (NCETET-2013) , 3rd Oct.2013	2230-7850	-	Mr. D. J. Pawar , Mr. P. M. Veeresh
74	Feature Extraction And Comparative Classification of Myoelectronic Signal For Prosthetic Arm Control	International Journal of Engineering And Innovative Technology(IJEIT) Vol.3,Iss.4,, Oct.2013	2277-3754	2.915	Mr. S. S. Patil , Mr. P. M. Veeresh
75	Simulation And Implementation of Network Topology Using NS2	International Journal of Engineering Sciences & Research Technology	2277-9655	4.295	Mr. R. R. Suryawanshi
76	A Novel Steganography Scheme Via The Use of Alpha Channel As A Carrier	International Conference On Trends In Automation, Communication And Computing Technologies	-	-	Mr. R. R. Suryawanshi
77	Design & Simulation of Network Devices Using Cisco Packet Tracer	International Journal of Advanced And Innovative Research	2278-7844	4.106	Mr. R. R. Suryawanshi
78	Advanced Automatic Detection of Malaria Parasite In Blood Image Using Analysis Based System	International Journal of Advanced And Innovative Research	2278-7844	0.349	Mr. R. R. Suryawanshi
79	Germicidal Ultraviolet LED Fixture For Public Waterless Urinals And Wash Basins To Control TB Using Solar PV Panel	International Journal of Advanced And Innovative Research	2278-7844	0.349	Mr. R. R. Suryawanshi, Mr. M. S. Sonavane
80	Germicidal Ultraviolet LED Fixture For Public Waterless Urinals And Wash Basins To Control TB Using Solar PV	National Conference On Emerging Trends In Engineering And Technology (NCETET-2013) , 3rd Oct., 2013	2230-7850	-	Mr. R. R. Suryawanshi, Mr. M. S. Sonavane
81	Plant Image Retrieval System Using Color & Shape Feature	International Journal For Research In Applied Science & Engineering Technology (IJRASET)	2321-9653	-	Mr. V. S. Mandlik Mr. U. S. Sagare

82	Nursery Flower Plant Image Retrieval System Using Color & Shape Feature	International Journal of Emerging Technologies In Computational And Applied Science (IJETCAS)	2279-00472 279-0055	-	Mr. V. S. Mandlik Mr. U. S. Sagare
83	Grading of Fruits Basis On Color Shape	International Journal of Engineering Sciences & Research Technology (IJESRT) , Nov.2013	2277-9655	4.116	Mr. U. S. Sagare Mr. V. S. Mandlik
84	Analysis of MEMS Based Switching Device Using Thermal Actuation	International Journal of Recent Engineering Research And Development (IJRERD)	2455-8761	-	Mr. V. D. Patil Mr. V. Y. Jadhav
85	Computer Aided Design of Broadband Modified Circular Microstrip Patch Antenna	International Research Journal of Engineering And technology (IRJET)	2395-0056	3.935	Mr. V. D. Patil
86	Digital Restoration of Cracks Based On Image Processing IRJET	International Journal of Engineering And Technology	2395-0056	-	Ms. V. V. Khandare
87	Detection & Removal of Cracks In Digitized Paintings Based On Image Processing	International Journal of Engineering Research & Technology (IJERT)	2278-0181	2.70	Ms. V. V. Khandare
88	A Systematic Approach To Devnagari Character Recognition Method	International Journal of Engineering Sciences & Research Technology	2277-9655	4.116	Mr. K. P. Pawar Mr. D. J. Pawar Mr. Y. S. Jagdale
89	FPGA Based FIR Filter Design For Enhancement of ECG Signal By Minimizing Base-Line Drift Interference	International Journal of Current Engineering And Technology, Nov.2013, ISSN: 2277-4106	2277-4106	6.125	Mr. D. J. Pawar
90	Grid Computing	International Journal of Advanced And Innovative Research	2278-7844	0.349	Ms. S. R. Mohite
91	Fetus ECG Filtering By ANFIS With Adaptive FIR Filter	International Journal of Advanced And Innovative Research	2278-7844	4.106	Mr. S. S. Kulkarni Mr. V. Y. Jadhav
92	Performance Analysis of Controlling Switch Implemented Using Thermal Actuation	International Journal of Advanced And Innovative Research	2278-7844	4.106	Mr. V. Y. Jadhav Mr. S. S. Kulkarni

93	Computer Aided Design of Broadband Modified Circular Microstrip Patch Antenna	International Research Journal of Engineering and technology(IRJET)	2395-0056	5.181	Mr. V. M. Patil
94	Modified Circular Monopole UWB Antenna With Frequency Band Notched Characteristics Using Modified SR	National Conference On Emerging Trends In Engineering And Technology , 3rd Oct., 2013, ISSN: 2230-7850	2230-7850	-	Mr. S. S. Thorat Mr. V. M. Patil
95	Classification And Grading of Apple Fruit Disease	International Journal of Engineering Sciences & Research Technology	2277-9655	4.116	Dr. S. R. Chougule
96	LASER Based Persistence of Vision Keyless Musical Instrument	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Dr. S. R. Chougule
97	Grading of Apple Fruit Disease	International Journal of Engineering Sciences & Research Technology	2277-9655	4.116	Dr. S. R. Chougule
98	Enhancing Network Lifetime of WSN Using GPRS And Spanning Tree Covering Algorithm For Mobile Sink Collector	International Journal of Innovative Research In Technology	2349-6002	-	Dr. S. R. Chougule
99	Comparative Study of Image Denoising Techniques	International Journal of Electrical And Electronics Engineers	2321-2055	-	Dr. S. R. Chougule
100	Neural Network For Kidney Stone Detection	International Journal of Science And Research(IJSR)	2319-7064	-	Dr. S. R. Chougule
101	Energy Efficient WSN Using GPSR For Mobile Sink	International Journal of Science And Research(IJSR) ISSN No., Vol 5, Issue 6, 2016	2319-7064	-	Dr. S. R. Chougule
102	Nucleus Segmentation From WBC Cell Using SMMT Operator And Morphological Algorithm	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Dr. S. R. Chougule
103	Classification And Grading of Apple Fruit Diseases	National Conference On Emerging Trends In Engineering And Technology	2231-5063	-	Dr. S. R. Chougule
104	A Review On Neural Network Methodology For Diagnosis of Kidney Stone	International Journal of Science And Research(IJSR)	2319-7064	6.391	Dr. S. R. Chougule

105	High Data Rate UWB System Design	International Journal of Engineering Science & Research Technology(IJESRT)	-	4.116	Dr. S. R. Chougule
106	Multicode Approach In High Data Rate UWB System	Recent Advances In Science, Engineering And Management (NCRASEN)	-	3.66	Dr. S. R. Chougule
107	High Data Rate UWB System Design Using Multicode Approach	International Journal of Engineering & Research Technology (IJERT)	-	1.76	Dr. S. R. Chougule
108	Review of Techniques of Digital Video Forgery Detection	Advances In Computer Science and Information Technology (ACSIT), Volume 2, Number 3	2393-9915	4.236	Dr. S. R. Chougule
109	WBC Segmentation Using Morphological Operation And SMMT Operator-A Review	International Journal of Innovation Research In Computer And Communication Engineering	2320-9801	6.577	Dr. S. R. Chougule
110	Literature Review On Enhancing Network Lifetime With M-Collector In Wireless Sensor Networks.	Golden Research Thoughts	2231-5063	4.605 2	Dr. S. R. Chougule
111	Steganography Using Concept of Skin Tone Detection	International Journal of Scientific Research Engineering & Technology, Vol2	2278-0882	3.241	Dr. S. R. Chougule
112	Skin Detection For Face Recognition Based On HSV Color Space	International Journal of Engineering Sciences & Research Technology	2277-9655	4.116	Dr. S. R. Chougule
113	Adaptive Routing Protocol For MANET	International Journal of Engineering Research & Technology	2278-0181	2.70	Dr. S. R. Chougule
114	Image Transmission With OFDM	International Journal of Scientific Research Engineering & Technology (IJSRET) ,Volume 2 Issue 6	2278 - 0882	3.241	Dr. S. R. Chougule
115	Empirical Mode Decomposition (Emd) For Non Linear Signal Processing	International Journal of Advanced And Innovative Research Volume 3 Issue 10	2278-7844	0.349	Dr. S. R. Chougule

116	Real Time Optical Communication Feedback During Swimming: A Review	National Conference On Emerging Trends In Engineering And Technology, 2013	2230-7850	-	Dr. S. R. Chougule
117	Literature Review of Skin Lesion Segmentation	National Conference On Emerging Trends In Engineering And Technology, 2013	2230-7850	-	Dr. S. R. Chougule
118	EEG Signal Analysis Using EMD	National Conference On Emerging Trends In Engineering And Technology, 2013	2230-7850	--	Dr. S. R. Chougule
119	Human Powered Wireless Charger For Low-Power Mobile Electronic Device	National Conference On Emerging Trends In Engineering And Technology, 2013	2230-7850		Dr. S. R. Chougule
120	Digital Image Watermarking	International Journal of Advanced And Innovative Research	2278-7844	4.106	Ms. R. D. Patil Ms. R. R. Mahajan
121	Robust Blind Image Watermarking Using Optimum Strength Factor	International Journal of Advanced And Innovative Research	2278-7844	0.349	Ms. R. D. Patil
122	Energy Efficient Routing Protocols For Mobile Ad-Hoc Networks	International Journal of Advanced And Innovative Research	2278-7844	0.349	Ms. R. R. Mahajan
123	Multilevel Network Security Combining Cryptography And Steganography On ARM Platform	Journal of Embedded Systems	-	-	Ms. P. H. Dixit
124	Implementation of AES Algorithm On ARM Processor For Wireless Network	International Journal of Advanced Research In Computer And Communication Engineering vol.2, Issue 8, Aug.2013	2278-1021	5.359	Ms. P. H. Dixit
125	Comparative Implementation of Cryptographic Algorithms On ARM Platform	International Journal of Advanced Research In Computer And Communication Engineering Vol.2, Issue 8, Aug.2013	2319-8753	6.209	Ms. P. H. Dixit
126	Decision Based Median Filter Algorithm Using Resource Optimized FPGA To Extract Impulse Noise	International Journal of Reconfigurable And Embedded Systems (IJRES)	2089-4864	0.25	Ms. R. N. Kulkarni
127	RF Powered Low-Power Wireless Sensors: A Review	National Conference On Emerging Trends In Engineering And Technology, 2013	2230-7850	-	Mr. S. S. Nagtilak

128	A Backlight Dimming Algorithm For Low Power And High Image Quality LCD Applications	National Conference On Emerging Trends In Engineering And Technology, 2013	2230-7850	-	Mr. S. S. Nagtilak
129	Automatic Annotation of Multispectral Satellite Paper Using Author Topic Model	National Conference On Emerging Trends In Engineering And Technology, 2013	2230-7850	-	Mr. S. S. Nagtilak
130	Image Stitching By Extracted Frame From Video Using SIFT	National Conference On Emerging Trends In Engineering And Technology, 2013	2230-7850	-	Mr. S. A. Bhosale
131	Design And Development of Portable Insulin Syringe Using Low Power Embedded Systems	International Journal of Engineering Research & Technology Vol.2 Iss.10, Oct.2013	2278-0181	2.70	Mr. R. R. Dodake Mr. R. K. Gurav
Computer Science and Engineering					
132	Multithread eqos architecture For Multimedia Services Over Software Defined Networks	International Journal of Engineering And Computer Science ISSN 2319-7242	2319-7242	3.8	Mr. S. B. Takmare, Mr. P. A. Kharade
133	Enhancement of Discriminative Embedded Clustering For Clustering High Dimensional Data Using Hub Concept	CIIT International Journal of Software Engineering And Technology	0974 - 9616	--	Mr. S. B. Takmare
134	Enhancing QoS For Multimedia Services Over Software Defined Networks: A Review	CIIT International Journal of Software Engineering And Technology	0974 - 9632	--	Mr. S. B. Takmare,
135	Implementing Proof of Retriavaibility For Multiple Replica of Data File Using No-SQL Database	International Research Journal of Engineering And Technology (IRJET)	2395 - 0056	5.181	Mr. S. B. Takmare
136	Review of Existing Methods In K-Means Clustering Algorithm	International Research Journal of Engineering And Technology (IRJET)	2395 - 0056	5.181	Mr. S. B. Takmare
137	A Survey On Multi Threaded Controller-Forwarder QoS Architecture For Multimedia Over Sdn	National Conference On Emerging Trends In Engineering And Technology. Mar 2017	2231-5063.	--	Mr. S. B. Takmare
138	A Survey On Rare Sequential Topic Patterns	National Conference On Emerging Trends In Engineering And Technology. Mar 2017	2231-5063.	--	Mr. S.B. Takmare

139	Joint Feature Learning And Clustering Techniques For Clustering High Dimensional Data: A Review	International Journal of Computer Sciences And Engineering	2319-7242	3.8	Mr. S.B. Takmare
140	A Review On Duplicate And Near Duplicate Documents Detection Technique	International Journal of Computer Sciences And Engineering	0974 – 9616	3.8	Mr. S.B. Takmare
141	An Iot-Database Management Model In Cloud Computing Domain	Golden Research Thoughts	0974 – 9632	3.4	Mr. S.B. Takmare
142	Comparative Study of Service Integrity Attestation Schemes In SAAS Cloud	Golden Research Thoughts	2395 - 0056	3.4	Mr. S.B. Takmare
143	Detection And Avoidance of Sensitive Data In Host-Assisted Mechanism Using Fuzzy Fingerprint Technique	International Journal of Computer Engineering In Research Trends	2319-7242	0.56	Mr. S.B. Takmare
144	High Dimensional Data Clustering With Hub Based DEC	International Journal of Computer Engg. in Research Trends	0974 – 9616	0.56	Mr. S.B. Takmare
145	Enhancement of DEC On High Dimensional Data Using Hub Concept	NCETET-16 At BVCOE Kolhapur	0974 – 9632	-	Mr. S.B. Takmare
146	Host Log Based DLD of Sensitive Data Using Fuzzy Fingerprint Technique	NCETET-16 At BVCOE Kolhapur	2395 - 0056	-	Mr. S.B. Takmare
147	Comparative Study of Service Integrity Attention Schemes In Saas Cloud	NCETET-15	2231-5063	-	Mr. S.B. Takmare
148	An Iot-Database Management Model Cloud Computing Domain	NCETET-15	2231-5063	NA	Mr. S.B. Takmare
149	Remote Desktop Access Through Android Mobile Phone And Reverse	International Journal of Informative And Futuristic Research	0974 – 9618	NA	Mr. S.B. Takmare
150	Remote Desktop Access Through Android Mobiles And Android Mobiles Access Through Web Browser	International Journal of Computer Science And Information Technology Research	0944 – 9617	NA	Mr. S.B. Takmare

151	An Add-On Device To Reduce Power Consumption In Existing Wireless Devices	NCETET-14	2230-7850	NA	Mr. S. B. Takmare
152	Smart Parking System Based On RFID And Cloud Technologies	International Journal of Advanced Research (IJAR),	2320-5407	5.336	Ms. S. M. Mulla
153	Farmer's Plaza: A Cloud-Enabled Mobile And Web Based Application For Farmers	International Research Journal of Engineering And Technology (IRJET),	2395-0072	4.45	Ms. S. M. Mulla,
154	Advanced User Authentication System On Mobile For Signing Digital Transactions	International Journal of Innovative Research In Computer And Communication Engg. (IJIRCCE)	2320-9801, 2320-9798	6.58	Ms. S. M. Mulla
155	Preventive Healthcare Application For Diabetic Patients At Home Using Smartphone.	National Conference On Emerging Trends In Engineering And Technology. Held At Bharati Vidyapeeth's College of Engineering, Kolhapur	2231-5063	-	Ms. S. M. Mulla
156	Cloud Based Parking System Using RFID	National Conference On Emerging Trends In Engineering And Technology. Held At Bharati Vidyapeeth's College of Engineering, Kolhapur	2231-5063	-	Ms. S. M. Mulla
157	A Method For Detection And Reduction of Stress Using EEG	International Research Journal of Engineering And Technology (IRJET)	2395 - 0056, 2395-0072	3.06	Mr. R. P. Mirajkar
158	Privacy Preserving Multi-Keyword Top-K Search Based On Cosine Similarity Clustering	International Research Journal of Engineering And Technology (IRJET)	2395 - 0056 P- 2395-0072	3.06	Mr. R. P. Mirajkar
159	Prioritization of Data Using Sentiment Analysis In Calamitous Situation	International Research Journal of Engineering And Technology (IRJET)	2395 - 0056, 2395-0072	3.06	Mr. R. P. Mirajkar, Mr. S. B. Patil
160	Partitioning of Query Processing In Distributed Database System To Improve Throughput.	International Research Journal of Engineering And Technology (IRJET)	2395 - 0056, 2395-0072	3.06	Mr. R. P. Mirajkar

161	Privacy Preserving Data Mining Using Inverse Frequent Itemset Mining Approach	International Research Journal of Engineering And Technology (IRJET)	2395 - 0056, 2395-0072	3.06	Mr. R. P. Mirajkar
162	Prioritization of Data Using Sentiment Analysis In Calamitous Situation	International Research Journal of Engineering And Technology	2395 - 0056	4.45	Mr. R. P. Mirajkar, Mr. S. B. Patil
163	Daybook: The Monitoring System	International Journal of Innovative Research And Advanced Studies	2394-4404	-	Mr. S. B. Patil
164	Agro Advisory Interface For Agriculture Contingencies	Imperial Journal of Interdisciplinary Research	2454-1362	3.75	Mr. S. B. Patil
165	Agroapp- An Android Application	International Journal of Advanced Research In Engineering	2393-9877	3.6	Mr. S. B. Patil
166	DATA DE-DUPLICATION USING HYBRID CLOUD	International Research Journal of Engineering And Technology	2395 - 0056	4.45	Mr. S. B. Patil
167	Ubiquitous Adoption of Telemedicine To Extend Patient Care Beyond The office	International Journal of Emerging Engineering Research And Technology	2349-4409	1.2	Mr. S. B. Patil
168	Towards Secure And Dependable Storage Services In Cloud Computing	International Journal of Innovative Research In Advanced Engg.	2349-2163	3.3	Mr. S. B. Patil
169	Privacy Preserving Data Mining Using Additive Perturbation On Relational Streaming Data.	International Journal of Innovative Research In Computer And Communication Engg.	2320-9798	5.618	Mr. A. E. Mane
170	Privacy Preserving Data Mining On Relational Streaming Data	International Journal of Innovative Science, Engineering Technology	2348-7968	5.264	Mr. A. E. Mane
171	Privacy Preserving Using Additive Perturbation Based On Multilevel Trust In Relational Streaming Data.	Multidisciplinary Journal of Research In Engineering And Technology	2348-6953	0.311	Mr. A. E. Mane
172	Privacy Preserving Using Attribute Based Additive Perturbation Based On Multilevel Trust	Fourth Post Graduate Conference of Computer Engineering Cpgcon-2015 Held At MET's Institute of Engineering, Nashik		-	Mr. A. E. Mane

173	Performance Enhancement of Search System.	International Journal of Advanced Engineering & Research (IJAERD) Volume 2 Issue 7, 2015	2348-4470	3.14	Ms. U. P. Nalawade
174	Performance Analysis of Keyword Search Engine	International Journal of Advanced Engineering & Research (IJAERD) Volume 1 Issue 11, 2014	2348-4470	3.14	Ms. U. P. Nalawade
175	Using Functional Point Analysis and Test Point Analysis Reducing Maintenance Cost of Software	International Journal of Science and Research (IJSR)	2319-7064	4.438	Mr. S. E. Kadam
176	Persuasive Cued Click Points: With Improving Memorability of Click Points Using Audio Signaturing Mechanism	International Conference On Emerging Trends In Technology & Its Applications			Mr. A. B. Chougule
177	Web Data Access Using Semantic Techniques	International Conference on Advanced Computer Science and Information Technology	1301-044		Mr. A. B. Chougule
178	Effective Pattern Discovery For Text Mining Using Pattern Based Approach	International Journal of Advance Research In Computer Science And Management Studies	2327-782	6.047	Mr. N. D. Karande
179	Land Vehicle Tracking System	IJSR	2319-7064	IF-4.438 6.14	Mr. N. S. Kadam
180	Solving Resource-Constrained Project Scheduling Problem By Genetic Algorithm	2nd International Conference On Business and information Management (ICBIM) 2014 Sept 2014			Mr. S. U. Kadam Mr. N. S. Kadam
181	Privacy Preserving System Using Attribute Based Encryption For E-Health Cloud	IJSR Volume 3 Issue 12, December 2014	2319-7064	3.358	Ms. K. P. Kulkarni
182	Privacy Preserving Cloud Health Record System Using Attribute Based Encryption	PG Conference-2015 At Nasik CPGCON - 2015			Ms. K. P. Kulkarni

183	Biometric Validation By Storing Different Patterns Using Mouse Gesture Signatures	International Journal On Recent And Innovation Trends In Computing And Communication	2321-8169	5.837	Mr. Vishal S. Patil
184	Knowledge Fusion Technique Using Classifier Ensemble By Using Sets of Classification Rules"	International Journal of Science And Research (IJSR)	2319-7064	3.35	Mr. J. B. Patil
185	Knowledge Fusion Technique Using Classifier Ensemble By Using Sets of Classification Rules	CPGCON Nasik Savitribai Phule Pune University Forth Post Graduate Conference of Computer Engineering			Mr. J. B. Patil
186	Cloud Assisted Privacy Preserving And Data Integrity For Mobile Health Monitoring	IJRET: International Journal of Research In Engineering And Technology	2319-1163	3.935	Ms. K. M. Jadhav
187	Tate Pairing In Cryptography	International Journal of Computer Science And Technology			Ms. K. M. Jadhav
188	Detecting And Correcting Faults From Software Code Document Using Iterative Code Reviews	International Journal of Advanced Research In Computer Engg. and Technology			Mr. K.B. Vaydande
	Review On Brand Spam Detection Using Feature Selection	International Journal of Advanced Research In Computer Science & Software Engg.			Mr. M.S. Patil
Mechanical Engineering					
189	Design And Fabrication of Shelling And Threshing Machine	International Journal of Innovative Research In Science, Engineering And Technology (IJIRSET)	2347-6710	6.209	Mr. S. J. Kadam Mr. S. V. Pandit Mr. G. J. Pol Mr. K. K. Patil Mr. A. R. Jadhav
190	Design Modification And Analysis of Suspensions Ball Joint Using Finite Element Analysis	International Journal of Innovative Research In Science, Engineering And Technology (IJIRSET)	2347-6710	6.209	Mr. S. J. Kadam Mr. S. V. Pandit Mr. A. V. Patil
191	Mechanical Portable Power Weeder Machine	International Journal of Research In Advanced Engineering And Technology (IJRAER)	2455-0876	5.44	Mr. S. J. Kadam Mr. K. K. Patil Mr. R. S. Mithari Mr. P. D. Rajigare

192	Performance of Manufacturing System Improvement By Area Through Simulation Software	International Journal of Research In Advanced Engineering And Technology (IJRAET)	2455-0876	5.44	Mr. S. J. Kadam Mr. S. V. Pandit Mr. M. S. Shinge Mr. S. B. Kamble Mr. A. V. Patil Ms. S. G. Bhosale
193	Design of Battery Operated Motosidised Screw Jack	International Journal of Research In Advanced Engineering And Technology (IJRAER)	2455-0876	5.44	Mr. S. J. Kadam Mr. K. K. Patil Mr. R. S. Mithari Mr. S. V. Pandit
194	Synthesis of Tio2 Nanofibers For Solar Cells And Their Analysis Using Statistical Tool-ANOVA	International Conference On Advanced Technologies For Societal Applications (ICATSP)	-	-	Mr. S. J. Kadam
195	Review: Electro Spinning Technique And Factors Affecting Electro Spun Nano Fibres And Some Applications	International Journal For Scientific Research & development(IJSRD)	2321-0613	2.39	Mr. S. J. Kadam
196	Review On Scaffold Formation By Electro Spinning Technique In Biomedical Field	International Journal OF Golden Research Thoughts (IJGRT)	2321-5063	4.60	Mr. S. J. Kadam
197	Review On Scaffold Formation By Electro Spinning Technique In Biomedical Field	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063	-	Mr. S. J. Kadam
198	Optimization of Roller Belt Conveyor In Sugarcane Industry	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063	-	Mr. S. J. Kadam Mr. G. J. Pol
199	Optimization of Roller Belt Conveyor In Sugarcane Industry	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. S. J. Kadam Mr. G. J. Pol
200	Electro Spinning Technique In Energy Transmission Application	National Conference On Emerging Trends In Engineering And Technology(NCETET)	2321-5063	-	Mr. S. J. Kadam

201	The New Development of Cad In Clothing	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063	-	Mr. S. J. Kadam
202	Design And Manufacturing of Semiautomatic Paper Cutting Machine	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. S. J. Kadam
203	Design And Manufacturing of Semiautomatic Paper Cutting Machine	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063	-	Mr. S. J. Kadam
204	Experimental Investigation On Surface Finish During Turning of ALSI-4340 Under Minimum Quantity Lubrication With Nano Fluid	ICAIMTDRC(International Conference On All India Manufacturing Technology Design And Research)	ISBN: 978-93-86256-27-0	-	Mr. P. B. Patole
205	Optimization of Process Parameters Based On Surface Roughness & Cutting Force In MQL Turning of AISI 4340 With Nano Fluid	International Conference On PMME 2016 Elsevier Materials Today Process	-	-	Mr. P. B. Patole
206	A Review of Design Improvement of SP17 Mixed Flow Type Stainless Steel Fabricated Pump Using CFD	National Conference On Emerging Trends In Engineering And Technology (NCETET)	: 2321-5063	-	Mr. P. B. Patole
207	A Review of Design Improvement of SP17 Mixed Flow Type Stainless Steel Fabricated Pump Using CFD	IJGRT(International Journal OF Golden Research Thoughts)	: 2321-5063	4.60	Mr. P. B. Patole
208	Design, Optimization of Economizer Header Using PWHT And FEA	ICETETA (International Conference On Emerging Trends In Engg. Tech &Architectures)	2278-0181	-	Mr. P. B. Patole
209	Design, Optimization of Economizer Header Using PWHT And FEA	IJERT (International Journal of Engg. Research And tech)	-	-	Mr. P. B. Patole
210	CFD Analysis of Flow In Pump Sump And Physical Validation For Better Performance of Pump	ICETETA (International Conference On Emerging Trends In Engg. Tech & Architectures)	-	-	Mr. P. B. Patole

211	CFD Analysis of Flow In Pump Sump And Physical Validation For Better Performance of Pump	IJERT (International Journal of Engg. Research And Technology)	-	-	Mr. P. B. Patole
212	Parametric Optimization of Minimum Quantity Lubrication In Turning of AISI 4340 Using Nano Fluids	Materials Today Proceeding (Elsevier)	-	-	Mr. P. B. Patole
213	Experimental Investigation And Optimization of Cutting Parameters With Multi Response Characteristics In MQL Turning of AISI 4340 Using Nano Fluid	Journal of Cogent Engineering (Taylor And Francis Group)	-	-	Mr. P. B. Patole
214	Experimental Investigation And Analysis of Relationship Between Surface And Cutting Force During MQL Turning of AISI 4340 With Nano Fluid	Journal of Manufacturing Technology Today (CMTI)	-	-	Mr. P. B. Patole
215	UAV For Medical Emergencies: Organ Transport	NCETET(National Conference On Emerging Trends In Engineering And Technology)	2321-5063		Mr. G. J. Pol
216	UAV For Medical Emergencies: Organ Transport	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. G. J. Pol
217	Automated Material Handling System For Multi Storage Building	NCETET(National Conference On Emerging Trends In Engineering And Technology)	2321-5063		Mr. G. J. Pol
218	Automated Material Handling System For Multi Storage Building	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. G. J. Pol
219	Review On Automobile Tyre	NCETET(National Conference On Emerging Trends In Engineering And Technology)	2321-5063		Mr. G. J. Pol Mr. S. V. Pandit Mr. A. R. Jadhav
220	Review On Automobile Tyre	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. G. J. Pol Mr. S. V. Pandit Mr. A. R. Jadhav Ms. S. G. Bhosale

221	Design of Portable Three Wheeler	NCETET(National Conference On Emerging Trends In Engineering And Technology)	2321-5063		Mr. A. R. Jadhav Mr. A. A. Desai Mr. M. S. Shinge Mr. K. K. Patil
222	Design of Portable Three Wheeler	IJGRT (International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. A. R. Jadhav Mr. A. A. Desai Mr. M. S. Shinge Mr. K. K. Patil
223	Optimization of Wall Thickness For Minimum Heat Losses For Indication Furnace	ICETETA (International Conference On Emerging Trends In Engg. Tech & Architectures)	2278-0181		Mr. A. A. Desai
224	Water Tank Cleaning Machine	NCETET (National Conference On Emerging Trends In Engineering And Technology)	2321-5063		Mr. A. R. Jadhav
225	Water Tank Cleaning Machine	IJGRT (International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. A. R. Jadhav
226	Design of Fixture For Bush Fitting Machine	NCETET(National Conference On Emerging Trends In Engineering And Technology)	2321-5063		Mr. A. R. Jadhav
227	Design of Fixture For Bush Fitting Machine	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. A. R. Jadhav
228	A Review On Centrifugal Clutch	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063		Mr. S. V. Pandit
229	A Review On Centrifugal Clutch	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. S. V. Pandit
230	Experimentation Flow Forming By Box Behnkan Method	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. S. V. Pandit Mr. R. S. Mithari Ms. S. G. Bhosale

231	Process Improvement By Lean Manufacturing Technique	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. S. V. Pandit
232	Development of Chaff Cutter Machine	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063	-	Mr. S. V. Pandit
233	Development of Rice Transplanter	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063	-	Mr. S. V. Pandit
234	Development of Cutting, Creasing & Perforation Machine	IJIRSET(International Journal of Innovative Research In Science, Engineering And Technology	2321-5063	-	Mr. S. V. Pandit
235	Optimization of Wall Thickness For Minimum Heat Losses In An Induction Furnace	JMSMT (International Journal of Material Science And Manufacturing Technology	-	-	Mr. A. V. Patil Mr. S.B. Kamble Mr. A. R. Kharat Mr. I. B. Buarase
236	Comparative Study of Different Approaches To Estimate SCF In Pressure Vessel Openings	IJMET (International Journal of Mechanical Engineering And Technology)	-	-	Mr. A. V. Patil Mr. S. B. Kamble Mr. A. R. Kharat Mr. I. B. Buarase
237	Development of Pedal Operated Unit For Agriculture Use	IJMET (International Journal of Mechanical Engineering And Technology)	-	-	Mr. A. V. Patil Mr. S. B. Kamble Mr. A. R. Kharat Mr. I. B. Buarase
238	Survey On Automatic Air Inflating System For Automobile	IJIRSET(International Journal of Innovative Research In Science, Engineering And Technology)	2347-6710	-	Mr. A. V. Patil, Mr. S. B. Kamble, Mr. A. R. Kharat, Mr. I. B. Buarase
239	Automatic Coconut De-Husking And De-Shelling Machine	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063	-	Mr. S. B. Kamble

240	Automatic Coconut De-Husking And De-Shelling Machine	IJGRT (International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. S. B. Kamble
241	Design of Gating System For Connecting Hinge By Traditional And Software	IJARIT(International Journal of Advance Research .Ideas And Innovations In tech)	2454-132X	4.295	Mr. R. S. Mithari, Mr. P. D. Rajigare, Mr. M. S. Shinge
242	Optimization of Process Parameters of Wire Electrical Discharge Machining of EN31 Steel	IRJET (International Research Journal of Engg, and Technology)	2395-0056	5.181	Mr. R. S. Mithari, Mr. P. D. Rajigare, Mr. M. S. Shinge, Mr. K. K. Patil
243	Design And Fabrication of Machine Performing Multiple Wood Working Operations Using Single Drive	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063	-	Mr. M. S. Shinge
244	Design And Fabrication of Machine Performing Multiple Wood Working Operations Using Single Drive.	IJGRT(International Journal OF Golden Research Thoughts)	2321-5063	4.60	Mr. M. S. Shinge
245	Design And Development of Steam Operated Jaggery Making System	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2321-5063	-	Mr. P. D. Rajigare
246	Streamlining of Processes & Integration of Customer Requirements In Engine Production Using Quality Gate Methodology	IJIFR (International Journal of Informative And Futuristic Research)	2347-1697	5.081	Ms. S. K. Darekar
247	Laser Marking Technique	National Conference On Development And Innovations In Mechanical Engineering	-	-	Mr. S. J. Kadam Mr. N. T. Desai Mr. G. J. Pol Mr. S .V. Pandit
248	FSI Analysis of Journal Bearing For 8" NEMA Standards Submersible Motor	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2231-5063		Mr. S. J. Kadam

249	FSI Analysis of Journal Bearing For 8” NEMA Standards Submersible Motor	IJGRT(International Journal OF Golden Research Thoughts)	2231-5063	3.4052	Mr. S. J. Kadam
250	Finite Element Analysis of Broken Single Walled Carbon Nanotube	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2231-5063		Mr. S. J. Kadam
251	Finite Element Analysis of Broken Single Walled Carbon Nanotube	IJGRT(International Journal OF Golden Research Thoughts)	2231-5063	3.4052	Mr. S. J. Kadam
252	Design And Failure Analysis of Suspension Ball Joint Using Finite Element Analysis	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2231-5063		Mr. S. J. Kadam
253	Design And Failure Analysis of Suspension Ball Joint Using Finite Element analysis	IJGRT(International Journal OF Golden Research Thoughts)	2231-5063	3.4052	Mr. S. J. Kadam
254	Review On Effect of Welding Parameters And Interlayer On Characteristics of Dissimilar Metal Spot Weld	ICRIEM(International Conference On Recent Innovations In Engineering And Management)	978-81-932074-5-1		Mr. S. J. Kadam
255	Development of Motorcycle Helmet Using Carrot Fibre And Polymer Matrix-Review Study	ICRIEM(International Conference On Recent Innovations In Engineering And Management)	978-81-932074-5-1		Mr. A. P. Kadam
256	Comparative Study of Steel, Nylon 66 And Delrin Helical Gears Used In Steering Gearbox	IJRET(International Journal of Research In Engineering And Technology)	2321-7308	3.127	Mr. A. P. Kadam
257	Electrical Simulation of Submersible Motor Using JMAG	IJGRT(International Journal OF Golden Research Thoughts)	2231-5063	3.40	Mr. P. B. Patole
258	CFD Analysis of Flow In Pump Sump And Physical Validation For Better Performance of Pump	NCRTME(National Conference On Recent Trends In Mechanical Engineering)			Mr. P. B. Patole
259	Effect of Distance Between Openings On Stress Concentration Factor of Cylindrical Pressure Vessel	IJRSET(International Journal of Innovative Research In Science, Engineering And Technology)	2319-8753	5.442	Mr. A. R. Kharat

260	Review of SONIC-IR Thermography	IJTET (International Journal of Thermal Engineering And Technology)			Mr. A. V. Patil Ms. S. G. Bhosale
261	Comparative Analytical Study of Synthetic Oil And Mineral Oil On The Basis of Physical Characteristics And Performance On VCR Engine	NCSACEM(National Conformance On Statistical Analysis And Computing In Engineering And Management)	2250-1975		Mr. S. V. Pandit Mr. S. J. Kadam
262	Comparative Analytical Study of Synthetic Oil And Mineral Oil On The Basis of Physical Charactrites And Performance On VCR Engine	IJACM (International Journal of Advances In Computing And Management)	2250-1975		Mr. S. J. Kadam
263	Review of Waste Heat Recovery From Refrigeration System Using Thermoelectric Generator	IJIFR (International Journal of Informative And Research)	2347-1697		Mr. S. J. Kadam Mr. S. T. Ghutukade Mr. S. P. Jarag Mr. M. S. Kulakarni
264	Energy Generation By Wind-Solar Hybrid Energy System For Two Wheeler	IJIFR (International Journal of Informative And Research)	2347-1697		Mr. S. J. Kadam Mr. S. T. Ghutukade Mr. M. S. Kulakarni
265	Moisture Reducing Machine In Agricultural Beans	IJIFR (International Journal of Informative And Futuristic Research)	2347-1697	4.164	Mr. S. J. Kadam Mr. S. V. Pandit Mr. K. K. Patil Mr. G. J. Pol Mr. S. B. Kamble Mr. N. T. Desai
266	Potential Estimation of Waste Heat Recovery From Window Air Conditioner	IJIFR (International Journal of Informative And Futuristic Research)	2347-1697	4.164	Mr. S. J. Kadam Mr. S. T. Ghutukade Mr. S. P. Jarag Mr. M. S. Kulakarni

267	Performance Testing of Bio Diesel Blend At Variable Compression Ratio On Comprised Diesel Engine	IJIFR (International Journal of Informative And Futuristic Research)	2347-1697	4.164	Mr. A. P. Kadam
268	An Analytical Study of Diesel Engine Performance Evaluation In Relation To Compression Ratio, Biodiesel And Its Applications-A Review	IJCITE(International Journal of Computer Informatics & Technological Engineering)	2348-8557		Mr. A. P. Kadam
269	Air Pollution Due To IC Engines And Its Control	RJVB(Research Journal Vidhi Bharati)	2321-6271		Mr. A. P. Kadam
270	Design And Manufacturing of Hydraulic Spring Stiffness Testing Machine	IJEER (International Journal of Emerging Engineering & Research & Technology)	2349-4395		Mr. A. R. Jadhav Mr. G. J. Pol Mr. A. A. Desai
271	Determination of Conversion Factor For Different Types of Beams Using FEM	IJRSET(International Journal of Innovative Research In Science, Engineering And Technology)	2347-1697	5.442	Mr. K. K. Patil Mr. S. V. Pandit Mr. A. R. Jadhav Mr. R. S. Mithari Mr. M. S. Shinge
272	Design, Development of Micro Hydro Turbine And Performance Evaluation of Energy Generation For Domestic Application	IJRSET(International Journal For Research In Science Engineering And Technology)	2394-739X	1.22	Mr. M. S. Kulkarni
273	Review On Development of Internal Pipe Painting Machine	IJIFR (International Journal of Informative And Futuristic Research)	2347-1697	4.164	Mr. M. S. Kulkarni Mr. S. P. Jarag Mr. D. B. Pawar Mr. V. B. Nerle
274	Productivity Improvement In Milk Processing Plant	IJMAS (International Journal of Multidisciplinary Approaches & Studies)	2348-537X		Mr. A. A. Deshpande
275	Comparative Analytical Study of Synthetic Oil And Mineral Oil On The Basis of Physical Chareristic And Performance On VCR Engine	IJACM (International Journal of Advances In Computing And Management)	2250-1975		Mr. S. V. Pandit

276	Powder Injection Moulding: A Review	IJIFR (International Journal of Informative And Futuristic Research)	2347-1697		Mr. S. V. Pandit Mr. S. S. Patil
277	Partial Least Square Regression For Surface Roughness of Ti-6Al-4V Test Piece	NASACEM(National Conference On Statistical Analysis And Computing In Engineering And Management)			Mr. S. B. Kamble
278	Robots In Pharmaceutics	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2231-5063		Mr. S. B. Kamble
279	Analysis of Stress Concentration At Opening In Pressure Vessel Using ANOVA	IJRET(International Journal of Research In Engineering And Technology)	ISSN 2321-7308	2.375	Mr. A. R. Kharat
280	Multivariate Factor Analysis For Silencer Testing	NASACEM(National Conference On Statistical Analysis And Computing In Engineering And Management)			Mr. A. R. Kharat
281	Manufacturing System Performance Improvement By Value Stream Mapping Literature Review	IJRSET(International Journal of Innovative Research In Science, Engineering And Technology)	2319-8753	2.33	Mr. S. J. Kadam Mr. S. V. Pandit Mr. V. S. Kengar
282	Study of Different Types of Reinforcement On Pressure Vessel	IJERT (International Journal of Engg. Research & Technology)	2278-0181		Mr. S. J. Kadam Mr. A. R. Kharat Mr. S. G. Bhosale
283	Development of Piezoelectric Nano Fiber For Energy Application Using Electro Spinning Method	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2230-7850		Mr. S. J. Kadam
284	Productivity Improvement By Application of Line Balancing	IJRSET(International Journal of Innovative Research In Science, Engineering And Technology)	2319-8753	2.33	Mr. S. J. Kadam Mr. A. R. Kharat Mr. S. V. Pandit

285	Improvement of Productivity By New Approach Lean Enterprise By MOST Way	IJRSET(International Journal of Innovative Research In Science, Engineering And Technology)	2319-8753	2.33	Mr. S. J. Kadam Mr. S. V. Pandit
286	Review On Sonic-IR Thermography	NCETP(National Conference On Emerging Trends In Productivity)			Mr. S. J. Kadam Mr. A. V. Patil
287	Solid Absorption Based On Solar Powered Ice Maker	IJAIR(International Journal of Advanced And Innovative Research)	2278-7844		Mr. J. D. Joshi Mr. R. B. Lokapure
288	Study of Effect of Geometry Parameters On Resistant Spot Weld Process	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2230-7850		Mr. G. J. Pol
289	M/C Time & Surface Roughness of EN31 M/C With Wire Ele.DM	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2230-7850		Mr. M. S. Shinge
290	Productivity Improvement Through Theory of Constraint Technique: A Case Study In Medium Scale Manufacturing Plant	NCETETA(National Conference On Emerging Trends In Engineering Technology & Architecture)			Mr. S. V. Pandit
291	Implementation of Lean Manufacturing Through The Technique of Minute Exchange Oo Die (SMED) To Reduce Change Over Time	(IJRSET)International Journal of Innovative Research In Science, Engineering And Technology	2319-8753		Mr. S. V. Pandit
292	Design of Multi-Axis Welding Positioned With Auto Indexing	International Journal of Innovation In Engineering And Technology	2319-1058		Mr. R. S. Mithari
293	A Review of Solar Tracking System	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2230-7850		Mr. S. P. Jarag

294	Systematic Fact Finding And Problem Solving For Leakage In High Pressure Line In Diesel Engine	MRIJET(MR International Journal of Engineering And Technology)			Ms. S. K. Darekar
295	Stress Analysis of Composite Disc Under Thermal Loading	ICTARME (International Conference On Theoretical And Applied Research In Mechanical Engineering)	978-3-643-24819-03		Mr. I. D. Burse
296	Cutting Force Measurement In Machining	NCETET(National Conference On Emerging Trends In Engineering And Technology)	2230-7850		Mr. A. A. Desai Mr. A. S. Katkar
297	Electrical Simulation of Submersible Motor Using JMAG	NCETET(National Conference On Emerging Trends In Engineering And Technology)	2231-5063		Mr. P .B. Patole
298	Improvement of Productivity By Theory of Constraints And Line Balancing	IJRAER(International Journal of Research In Advanced Engineering And Technology)	2455-0876	5.44	Mr. .S. V. Pandit
Civil Engineering					
299	Application of Solar Passive Technology For Rearing of Silk Worm Bombyx Mori Linn In Maharashtra India	24th International Congress On Sericulture & Silk Industry At Bangkok, Thailand	UN Reg No. 10418		Mr. V. S. Kadam
300	Behavior of Coupled Shear Wall Building	International Journal For Applied Science & Engineering Tech	2321-9653	5.011	Mr. V. S. Kadam
301	A Review Paper On Construction Site Layout Design & Planning Techniques	International Journal For Applied Science & Engineering Technology	2321-9653	5.011	Mr. V. S. Kadam
302	Effect of Replacement Coarse Aggregate By Scrap Tyre Rubber Experimental Study	International Journal of Engineering Technology	2395-0056	4.45	Mr. V. S. Kadam
303	Comparative Study of Traditional Method & Innovative Method For Trenchless Technology	International Research Journal of Engineering & Technology	E-2395-0056	4.45	Mr. V. S. Kadam
304	Potentiality of Rainwater Harvesting In Educational Institute To Establish A Raincenter	International Journal of Innovative Research In Science & Engineering	2454-9665	4.45	Mr. V. S. Kadam

305	A Review Paper On Construction Site Layout Design & Planning Techniques	International Journal For Applied Science & Engineering Tech.	2321-9653	5.011	Mr. S. S. Kotwal
306	Seismic Evaluation of Retrofitted RC Frame Building Using Shear Wall & Steel Braces	International Journal of Innovative Research In Science , Engg and Tech.	ISSN-2319-8753	6.20	Mr. S. S. Kotwal
307	Experimental Study of Light Weight Concrete Beams Strengthened With GFRP	International Journal of Civil Engineering Research	ISSN 2278-3652		Mr. S. S. Kotwal
308	Behavior of Coupled Shear Wall Building	International Journal For Applied Science & Engineering Technology	2321-9653	5.011	Mr. .M .M. More
309	Seismic Evaluation of Retrofitted RC Frame Building Using Shear Wall & Steel Braces	International Journal of Innovative Research In Science, Engineering & Technology	ISSN-2319-8753	6.20	Mr. .M .M. More
310	Use of RC Shear Walls In Strengthening of Multistoried Building With Soft Storey At Different Level	International Journal of Engineering Research-Online(IJOER)	2321-7758	3.601	Mr. M .M. More
311	Seismic Evaluation of RC Retrofitted Buildings	National Conference At BVCOEK			Mr. M .M. More
312	Review Paper On Decentralized Waste Water Treatment System	International Journal For Research & Development In Technology	ISSN(O):2349-3585	3.82	Mr. V. B. Patil
313	Review Paper On Green Building	International Journal For Research & Development In Technology	ISSN(O):2349-3585	3.82	Mr. V. B. Patil
314	Review Paper On RBI Grade 81 On Properties of Red Soil	Golden Research Thoughts	2231-5063	4.605 2	Mr. V. B. Patil
315	Performance of Horizontal Roughing Filter For Different Filter Media	National Conference At BVCOEK	-		Mr. V. B. Patil
316	Comparative Study of Conventional Methods & FRP Composite Methods For Rehabilitation of Bridges	National Conference At BVCOEK			Mr. V. B. Patil

317	A Review Paper On Construction Site Layout Design & Planning Techniques	International Journal For Applied Science & Engineering Technology	2321-9653	5.011	Mr. G. S. Adure
318	GIS Based Public Bus Transport Management System	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2231-5063.		Mr. G. S. Adure
319	An Overview On Sustainable Development	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2231-5063.		Mr. G. S. Adure
320	Potentiality of Rainwater Harvesting In Educational Institute To Establish A Raincenter	International Journal of Innovative Research In Science & Engineering	2454-9665	2.035	Mr. G. S. Adure
321	Six Sigma In Construction Engineering	National Conference At BVCOEK	-		Mr. G. S. Adure
322	Effect of Replacement Coarse Aggregate By Scrap Tyre Rubber Experimental Study	International Journal of Engineering Technology	2395-0056	4.45	Mr. O. K. Chothe
323	Implementation of SWOT Analysis For Construction Project : A Review	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2231-5063		Mr. O. K. Chothe
324	Effect of Replacement of Coarse Aggregate By Scrap Tyre Rubber: Experimental Study	International Research Journal of Engineering & Technology	2395-0056	4.45	Mr. O. K. Chothe
325	Comparative Study of Conventional Methods And FRP Composite Methods For Rehabilitation of Bridges	International Journal of Engineering And Science Research	2277-2685	4.45	Mr. O. K. Chothe
326	Comparative Study of Conventional Methods & FRP Composite Methods For Rehabilitation of Bridges	National Conference At BVCOEK			Mr. O. K. Chothe
327	Parameters of Underground Water	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2231-5063	2.05	Mr. V. S. Tiware

328	Biomimicry – Nature Inspired Building Structures	International Conference On Emerging Trends In Engineering, Technology And Architecture 11th March 2017	0974-3154		Mr. V. S. Tiware
329	Root Cause Analysis of Variations In Construction Tasks And Developing Effective Strategies To Reduce Variations	International Journal of Scientific & Engineering Research Vol-4 Issue-9 Sept-2013	2229-5518		Mr. V. S. Tiware
330	Orientation of Shear Wall	National Conference On Emerging Trends In Engineering And Technology (NCETET)	2231-5063.		Mr. V. V. Mane
331	Limit Strength Prediction of Light Gauge I Section By Finite Element Method	International Journal of Engineering Research And Applications	2248-9622		Mr. P. P. Desai
	Prevention of Freezing & Thawing Effect By Using Granulated Rubber Crumb	Advances In Civil & Structural Engineering-NCACSE 2014			Mr. P. A. Nadgauda
332	Use of Delphi Method In Feasibility Analysis of AAC Block Plant In Kolhapur Region	National PG Conference On Recent Trends In Engineering And Technology			Mr. A. K. Chorage
333	Feasibility And Market Analysis For AAC Block Plant In Kolhapur Region	International Conference On Recent Trends In Engineering And Technology			Mr. A. K. Chorage
334	Six Sigma In Construction Engineering	National Conference At BVCOEK			Mr. A.R. Patil
Electronics Engineering					
335	Secured Data Communication Using Novel Modification To Hill Cipher Algorithm With Self Repetitive Matrix	International Journal of Science And Research	2319-7064	6.391	Mr. R. R. Ravan, Mr. A. R. Nigvekar,
336	Computation of Error Factors In GPS Signals	International Journal of Science And Research (IJSR)	2319-7064	6.391	Dr. K. R. Desai, R. H. Chile , S. R. Sawant
337	Key Clip Extraction For Quick Browsing From Surveillance Videos	International Journal of Engineering Research & Technology(IJESRT)	2278-0181	1.76	Mr. S.S. Gurav Dr. K. R. Desai Mr. S.A. Kadam

338	Face Identification & Detection Using Eigen Faces	International Journal of Engineering Sciences & Research Technology (IJESRT)	2277-9655	1.76	Mr. S .S. Gurav , Dr. K. R. Desai
339	Implementation of AES Algorithm On ARM Processor For Wireless Network	International Journal of Advanced Research In Computer And Communication Engineering (IJARCCE)	2319-5940	5.947	Mr. V. B. Patil,
340	Milk Dairy Automation Using CAN Protocol: A Paradigm For Industry Automation	International Journal of Advanced Research In Computer Science And Software Engineering	2277 128X	2.5	Mr. A. K. Chougule,
341	Simple And Efficient Method of Image Acquisition Using Internet For Real Time Application	International Journal of Science And Research (IJSR)	2319-7064	6.391	Mr. A. R. Kittur
342	Review On Moving Objects Tracking System Based On Camshaft And Kalman Filter	International Journal of Advanced And Innovative Research	2278-7844	0.349	Dr. K. R. Desai
343	A Review of Coded On off Keying System For Free Space Optical Link	International Journal of Advanced And Innovative Research	2278-7844	0.349	Dr. K. R. Desai
344	Proposal of New Packet Aggregation Scheme In WLAN For Multimedia Application	International Journal of Advanced And Innovative Research (IJAIR)	2278-7844	0.349	Dr. K. R. Desai
345	Packet Aggregation Scheme In VoIP Over WLAN Throughput And PDR Enhancement	International Journal of Advanced And Innovative Research (IJAIR)	2278-7844	0.349	Dr. K. R. Desai
346	Coded On off Keying System For Free Space Optical Link Over Strong Turbulence And Misalignment Fading Channels	International Journal of Advanced Technology In Engineering And Science(IJATES)	2348-7550	2.870	Dr. K. R. Desai
347	Image Stitching From Video Frames Using Corner Detection And Sift Algorithm	International Journal of Advanced Technology In Engineering And Science	2348 – 7550	2.870	Dr. K. R. Desai
348	Image Stitching By Extracted Key Frames Using Absolute Difference Method	International Journal of Advanced Research In Computer And Communication Engineering	2278-1021 2319-5940	5.947	Dr. K. R. Desai

349	Hybrid Method For Moving Objects Tracking With In Video Sequence And Occlusion Handling	International Journal of Science Technology And Engineering [IJSTES]	2348-7550	3.9	Dr. K. R. Desai
350	Cell Phone Technology For Visually Impaired - A Vibration Based Braille Perception	International Journal of Electronics And Communication Technology	2230-7109	3.871	Mr. V. T. Korishetti Mr. A. R. Kittur Mr. S.S. Gurav Mr. P. M. Veeresh
351	Authentication And Self-Synchronization of Audio Signal By Watermarking Using Empirical Mode Decomposition	International Journal of Engineering Sciences & Research Technology, IJESRT	2277-9655	4.1	Dr. K. R. Desai
352	Empirical Evaluation of Economical Automated Car Safety And Control System	International Journal of Advanced Research In Computer Science And Software Engineering	2277 128X	2.5	Mr. A. B. Chougule, Mr. V. B. Patil
353	A Model For Detection of Error Factors In GPS Signals	International Journal of Electronics And Communication Engineering	2348 - 8549	7.9	Dr. K. R. Desai
354	A Model For Correction Factors In GPS Signals	International Journal of Innovations In Engineering Research And Technology [IJIERT]	2394-3696	3.5	Dr. K. R. Desai
355	SMVQ And Image Impainting Used For Joint Data Hiding And Compression Scheme	International Journal of Advanced And Innovative Research (IJAIR)	2278-7844	0.3	Dr. K. R. Desai
356	Face And Palm Print Image Fusion For Authentication of Multimodal Biometrics	International Journal For Technological Research In Engineering (IJRTE)	2347 - 4718	2.81	Dr. K. R. Desai
357	Reversible Data Hiding For Security Application	International Journal of Electrical And Electronics Engineers		2.013	Dr. K. R. Desai
358	Comparative Study of Different PAPR Reduction Techniques of OFDM	International Journal of Advanced Research In Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	2320 - 3765	5.612	Mr. A. B. Chougule, Ms. S. V. Manjare, Mr. V. B. Patil

359	Automatic Vehicle Accident Prevention And Detection Using Intelligent System	International Journal of Advanced Research In Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	2320 – 3765	5.612	Mr. A. B. Chougule, Mr. V. B. Patil
360	Throughput Enhancement By Multi Channeling IEEE 802.15.4 For Multimedia Applications	International Journal of Engineering Research & Technology (IJERT)	2278 – 0181	1.76	Mr. K. V. Patil
361	Study And Analysis of IEEE 802.15.4 Media Access Control (MAC)	International Journal of Engineering Sciences & Research Technology	2277-9655	1.852	Mr. K. V. Patil
362	Steganography Using Concept of Skin Tone Detection	International Journal of Scientific Research Engineering & Technology (IJSRET)	2278 – 0882	3.241	Ms. S. V. Manjare
363	Blowfish Encryption Using Key Secured Block Based Transformation	International Journal of Engineering Sciences & Research Technology	2277-9655	1.852	Ms. D. M. Torgalkar
364	Design, Analysis And Study of 2x1 Rectangular Microstrip Antenna Array At 2.45 Ghz For Beam Steering	International Journal of Engineering Research And Applications (IJERA)	2248-9622	1.76	Mr. S. M. Patil
365	Empirical Mode Decomposition (EMD) For Non Linear Signal Processing	International Journal of Advanced And Innovative Research	2278-7844	0.349	Mr. P. D. Desai
Information Technology					
366	Optimization Using Different Criterion For Test Case	International Journal of Innovation In Engineering, Research And Technology	2394-3696	3.535	Mr. V. M. Mangave Dr. S. K. Shinde
367	A Survey On Accuracy of Requirement Traceability Links During Software Development	International Journal of Innovation In Engineering, Research And Technology	2394-3696	3.535	Dr. S. K. Shinde
368	An Effective Approach For Accuracy of Requirement Traceability Link In Software Development	International Conference On Advances In Engg, Science And Tech.	-	-	Dr. S. K. Shinde
369	An Android Application For Small Sector Workers And Business	International Journal For Scientific Research And Development	2321-0613	2.39	Mr. P. A. Patel

370	Unsupervised Approach To Deduce Scheme And Extraxt Data From Template Web Pages	International Journal of Computer Engineering And Technology	0976-6367	-	Dr. S. K. Shinde
371	Iterative Code Reviews System For Detecting And Correcting Faults From Software Code Documents	International Journal of Advanced Research In Engineering And Technology	0976-6480	-	Dr. S. K. Shinde
372	Schema Interference And Data Extraction From Templatized Web Pages	IEEE Digital Library		-	Dr. S. K. Shinde
373	Different Syntactic Methods And Clustering For Web Service Integration	International Journal of Innovative Research In Computer And Communication Engineering	2320-9801, 2320-9798	6.577	Mr. P. A. Patel
374	Web Service Integration Using Knowledge Discovery In Services (KDS)	International Journal of Multidisciplinary And Current Research	2321-3124	3.124	Mr. P. A. Patel
375	Intrusion Detection Energy Efficient Approach In Heterogeneous WSN	International Journal of Scientific Engineering And Technology Research	2319-8885	5.7	Mr. R. S. Kadam
376	Web Structure Mining	IJARCET		-	Mr. K. B. Vaydande
377	Web Service Integration Using Different Syntactic Methods	NCETET	2230-7850	-	Mr. P. A. Patel.
378	Live Streaming For Peer To Peer System Using Peer Division Multiplexing	International Journal of Innovative Technologies	2321-8665	-	Mr. R. S. Kadam
379	Social Semantic Search Engine: Personalized Search Approach	ICACT		-	Ms. P. B. Pandharbale
380	Review of Reducing Routing Overhead In Mobile Ad-Hoc Networks By A Neighbor Courage-Based Algorithm	IJTEL	2319-2135	-	Mr. V. U. Patil
381	Deliberation of Data Mining In Banking	IJERT	2278-0181	-	Dr. S. K. Shinde
382	Semantic Search And Social-Semantic Search As Co-Operative Approach	International Journal On Recent And Innovation Trends In Computing And Communication	2321 - 8169	1.376	Ms. P. B. Pandharbale Mr. R. S. Kadam Mr. J. B. Patil

383	Speech Based Water Marking For Non Numeric Relational Database	IJRES	2319 - 5665	-	Mr. V. V. Mangave
384	Speech Based Water Marking For Non Numeric Relational Database	IJRES	2319 - 5665	-	Mr. V. D. Chougule
385	Speech Based Water Marking For Non Numeric Relational Database	IJRES	2319 - 5665	-	Mr. P. A. Kharade
386	Blue-Brain	IJCSITS	2249 - 9555	-	Mr. V. U. Patil
387	Under Water Sensor Network	IJSER	2229 - 5518	-	Mr. V. U. Patil
388	A New Proposed Plagiarism Detection System For Detecting Dishonesty In Documents	National Conference On Emerging Trends In Engineering And Technology	2230 - 7850	-	Mr. P. A. Patel
General Engineering					
389	“African Culture In Ben Okri’s Novel The Famished Road”.	Aayushi International Interdisciplinary Research Journal	2349-638X	3.025	Mr. V. A. Desai
390	Comparison Experimental And Analytical Results of Lightweight Reinforced Concrete Beam Strengthened With GFRS Strips.	International Journal of Innovative Research In Science, Engg. & Technology (IJIRSET)	2319-8753 2347-6710	6.209	Mr. A. S. Patil
391	PV Solar Controller With 100 Watt Module As A STATCOM For Distribution Utility	International Journal of Innovative Research In Science, Engg. & Technology (IJIRSET)	2319-8753	6.209	Mr. R. K. Chougale
392	Optimum Utilization of PV Solar Plant In A Day & Night	Golden Research Thoughts (GRT)	2231-5063	3.4052	Mr. R. K. Chougale
393	Day & Night Utility of PV Solar Controller With STATCOM Feature	International Symposium On Engg. & Technology.	-	-	Mr. R. K. Chougale
394	Fluorides In Drinking Water Health Effects And Analysis	Journal of Chemical, Biological And Physical Sciences	2249 – 1929	0.521	Dr. P. G. Umape
395	Fluorescent Styryl Dyes From 4-Chloro-2-(Diphenylamino)-1, 3-Thiazole-5-Carbaldehyde Synthesis, Optical Properties And TDDFT Computations	Journal of Fluorescence	1053-0509	1.601	Dr. P. G. Umape

396	Synthesis of Novel Carbazole Based Styryl: Rational Approach For Photophysical Properties And TD-DFT	Journal of Fluorescence	1053-0509	1.601	Dr. P. G. Umape
397	Synthesis of Novel Carbazole Fused Coumarin Derivatives And DFT Approach To Study Their Photophysical Properties	Journal of Fluorescence	1053-0509	1.601	Dr. P. G. Umape
398	Fluorescent Styryl Dyes Based On Novel 4-Methoxy-9-Methyi-9H-Carbazole-3-Carbaldehyde-Synthesis, Photophysical Properties And DFT Computations.	Journal of Fluorescence	1053-0509	1.667	Dr. P. G. Umape
399	Synthesis of Novel Styryl Derivatives From 4-Chloro-2-(Morpholin-4-Yl)-1, 3-Thiazole-5-Carbaldehyde, Study of Their Photophysical Properties And TD-DFT Computations.	Journal of Luminescence	10.1016/J.lumin.2014.01.060	2.367	Dr. P. G. Umape
400	Synthesis And Characterization of Novel Yellow Azo Dyes From 2-Morpholin-4-Yl-1, 3-Thiazol-4 (5H)-One And Study of Their Azo-Hydrazone Tautomerism	Dyes And Pigments	0143-7208	3.255	Dr. P. G. Umape
401	Fluorides In Drinking Water Health Effects And Analysis	Journal of Chemical, Biological And Physical Sciences	2249 – 1929	0.521	Dr. P. N. Patil
402	Characterization & Electrical Properties of Some Compounds	National Level Conference	978 – 93 – 84916 – 56 - 6	-	Dr. P. N. Patil
403	Lead As Water Impurity	National Level Conference	978 – 93 – 84916 – 56 - 6	-	Dr. P. N. Patil
404	Optimum Utilization of PV Solar Plant In A Day & Night	Golden Research Thoughts (GRT)	2231-5063	3.4052	Mr. V. N. Karande

Table 3.23 Publications of PG Students In Last Four Years

Sr. No.	Branch	No. of Paper Publications
1	Electronics and Telecommunication Engineering	104

2	Computer Science and Engineering	24
3	Mechanical Engineering	19

Table 3.24 Books with ISBN-ISSN numbers by faculty with details of publishers

Sr. No.	Departments	Name of Book	Name of author	ISBN-ISSN number	Publisher and year
1	Electronics and Telecommunication Engineering	Linear Integrated circuits	Ms. J. K. Patil	978-93-5164-477-4	Nirali Prakashan Feb.2015
2.		A Novel high speed FPGA architecture design for FIR filter	Mr.S.B.Jadhav	978-3-659-66291-1	LAP LAMBERT Academic publishing
3	General Engineering	Jamilchya Sahaskatha by Mohammad Omar	Mr. K. S. Joshi	81-8498-560-3	Mehta Publications, Pune

Table 3.25 Summary of paper publication (Last 4 yr.)

Sr. No.	Department	Publication by faculty	Papers published by faculty & students	No. of Paper Published in International DB	Chapters in Book	Books Edited	Books in ISBN/ISSN	Citation Index	SNIP/SJR	Papers with Impact Factor	H- Index
1	Electronics and Telecommunication Engineering	179	63	134	02	02	02	172	01	119	16
2	Computer Science and Engineering	76	46	55	-	-	-	04	-	46	03
3	Mechanical Engineering	202	19	149	-	-	-	77	-	137	10
4	Civil Engineering	53	11	01	-	-	-	-	-	-	-
5	Electronics Engineering	62	10	39	-	-	-	-	-	39	-
6	Information Technology	23	-	19	-	01	-	-	-	07	-
7	General Engineering	19	-	13	-	01	01	32	06	13	03

3.4.4 Provide details (if any) of

- **Research Awards received by the faculty :**

1. Mr.S.B.Jadhav received “**Best Educationist award 2017 and Certificate of Excellence in Education**” from IIBM New Delhi.
2. Mr. S. B. Jadhav received “**Rashtriya Vidya Gaurav Gold Medal award 2017 and Certificate of Education Excellence**” from Indian solidarity council (ISC) New Delhi.
3. Dr. K. R. Desai **received 1st prize in NCETET2017** conference on “Facial feature Extraction using modified LBP” in the year 2016-17.
4. Ms. J. K. Patil **received 2nd Prize in NCETET2017** conference on “Fuzzy C-means clustering based segmentation of vertebrae in T1-weighted spinal MR images” in the year 2016-17.
5. Ms. A. H. Tirmare, Ms. P. S. Mali, Ms. V. V. Khandare, Ms. S. R. Mohite received **Best Paper Award** for paper entitled “Hand Gesture Controlled Robotic ARM” by International Journal of Advanced and Innovative Research (IJAIR) in year 2016-17.
6. Mr. S. B. Takmare awarded **1st prize in NCETET-2017 Conference** on A Survey On Multi-Threaded Controller-Forwarder QoS Architecture For Multimedia Over SDN in year 2016-17.
7. Mr. S. B. Takmare awarded **1st prize in NCETET-2016 Conference** on Enhancement of DEC on High Dimensional Data Using Hub Concept in year 2015-16.
8. Ms. J. K. Patil **received 1st prize in NCETET** conference on Performance Analysis of Non local Means filtering for denoising MRI images in the year 2014-15.
9. Dr. Ms. S. R. Chougule awarded for **Maximum Paper Publication** by Bharati Vidyapeeth's college of Engineering Kolhapur for Electronics and Telecommunication Engineering branch in the year 2014-15.
10. Ms. J.K.Patil awarded for **Maximum Paper Publication** by Bharati Vidyapeeth's college of Engineering Kolhapur for Electronics and Telecommunication Engineering branch in the year 2012-13 and 2014-15.
11. Mr. S. B. Takmare awarded **2nd prize in NCETET-2014Conference** on An Add-On Device to Reduce Power Consumption in Existing Wireless Devices in year 2014-15.

12. Mr. M.M.More **received 2nd prize in NCETET conference on** Seismic evaluation of RC retrofitted buildings year 2013-14.
13. Mr. G. S. Adure and Mr.A.R.Patil **received 3rdprize in** NCETET conference on six sigma in construction Engineering year 2013-14.
14. Mr. R.R.Suryawanshi and Mr. M.S.Sonawane **received 1stprize in NCETET conference on** Germicidal ultraviolet LED fixture for Public Waterless Urinals and Washbasins to Control T.B. using Solar PV Panel year 2013-14.

Table 3.26 Recognition received by the faculty from reputed professional bodies and agencies, Nationally and internationally

Professional bodies	Recognition	Name of Faculty
Symbiosis International University, Pune	Permanent Member	Dr. Suhas S. Patil
Institution of Engineer (India), Kolkata	Elected Member	
Shivaji University, Kolhapur	BOS (ETX.) Coordinator	
	Nominated Member of Senate	
	Chairman of expert committee for proposed new Engineering college appointment	
	Member of Selection Committee	
	Member of Scrutiny Committee	
	Member of Placement Committee	
	Member of Local inquiry Committee	
	Member of Branch transfer scrutiny committee	
	Member of scrutiny Committee	
Member of Senate Sub-Committee		
International research journal" IJERIA Pune	Life member	Dr. Ms. S. R. Chougule
International research journal IJMSEA Pune		
Shivaji University, Kolhapur		
Multidisciplinary Digital Publishing Institute (MDPI Journal), Switzerland	Reviewer of Papers	Ms. J.K.Patil
Reviewer of Elsevier Publication	Reviewer of Papers	Mr. S. B. Jadhav

IEEE Global conference on Wireless computing and networking (GCWCN-2014)	Reviewer of Papers	Dr. K.R.Desai
India Society for Technical Education (ISTE)	Life member	Dr. Suhas S. Patil Mr. S. J. Kadam Ms. J. K. Patil Mr. P. B. Patole Mr. V. S. Mandlik Mr. V. D. Patil Mr. Y. S. Jagadale Mr. R. P. Mirajkar Mr. A. M. Patravale Mr. P. A. Patel Ms. P. B. Pandharbale Ms. S. S. Shinde Mr. R. K. Chougule Mr. G. S. Adure Mr. S. S. Kotwal
International Journal of Engineering development and research	Reviewer of Papers	Mr. A. R. Kharat Mr. S. B. Kamble

• **Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

1. Faculties are encouraged to attend seminars, conferences, workshops and short-term courses by providing duty Leave along with contribution of workshop fee.
2. Necessary books and journals are provided.
3. Sufficient freedom is allowed to the faculties for innovation and reforms in the teaching and learning process.
4. Faculty members are encouraged for book-writing, paper publication, research projects and conducting student activities.
5. Faculties with M. Tech/ Ph.D are encouraged to apply for financial assistance to any research funding agency (UGC, AICTE etc).
6. Institute encourages intra-departmental and interdepartmental R&D and Consultancy projects by providing the required amenities and needs.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

- Institute has an Industry Institute Interaction Cell which defines the strategies for establishing Industry Institute Interface.
- MOUs are signed between the department and related industries/research organization for Institute Industry Interface.
- Research committee identifies the research area that can be carried out in the institute, identifies the relevant industry and initiates steps for establishing MOU.
- The Training and Placement Cell also facilitates communication with corporate houses for arranging Internships, Campus Recruitment Drive and training programs.
- Industrial visits are organized from time to time to keep students abreast of the latest developments in the industry.
- Every department arranges Guest Lectures and workshops with industry experts to increase institute-industry interaction.

3.5.2 What is the stated policy of the institution top remote consultancy? How is the available expertise advocated and publicized?

The institute provides all necessary facilities to encourage faculty to take up consultancy works at institute level through constituted consultancy cell

The functions of Cell:

- To find and utilize available Hardware and Software in Institute for Consultancy.
- To procure necessary equipment and software's in laboratories if necessary to promote consultancy activity.
- To conduct various online examinations.
- To meet the challenging practical problems through consultancy.

The following measures are taken to publish on various consultancy services offered by the institute

- Providing information on the faculty expertise, testing equipment and facilities available on institute website which enable industries to approach concerned experts.

- Participating in seminars, conferences and workshops to enhance the consultancy expertise and the laboratories testing facility.
- Inviting industries and other organizations for offering the services to the college consultancy cell to meet their problems.
- The institute allows consultancy works to be carried with outside agencies/industries through sharing of expertise.
- The institute provides all necessary facilities to encourage faculty to take up consultancy works at institute level.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- Institute sponsors the faculty for workshops and seminars arranged by the leading technology consultants in relevant fields.
- Faculty members are encouraged to utilize infrastructure and laboratory facilities for completion of their consultancy projects.
- Institute encourages faculty members to achieve consultancy through their personal contacts.
- Institute encourages students to take sponsored project from industry.

3.5.4 List the broad areas and major consultancy services provided by the institution and there venue generated during the last four years.

Table 3.27 Revenue generated during the last four years

Year	Name of Industry	Type of work	Revenue Generated
2016-17	Shripatrao Chougule Arts & Commerce College, Kotoli	Moodle Server Installation	-
	DTE Mumbai	Facilitation Center for First Year and Direct Second Year Admission process	1,02,100/-
2015-16	Shriyesh Auto Care, Kolhapur	Training to employees	6,400/-
		Checking of Multigrade Oil Testing Parameters	
	Family Farming Producer Company Ltd., Kolhapur.	Cube Testing Report	700/-
	Technica Engineers, Kolhapur	Sand Properties Testing & Process Development of Engineering Component	10,000/-
	Prathamesh Enterprises, Kolhapur	Assembly Line Development	7,000/-
	Ashlesh Enterprises, Kolhapur	CAD Training Program	8,500/-

	Chanakya software services Pvt. Ltd. Pune	MSRTC officer Non-technical recruitment examination	35,244/-
	DTE Mumbai	ARC for First Year and Direct Second Year Admission process	38,450/-
2014-15	DTE Mumbai	ARC for First Year and Direct Second Year Admission process	54,000/-
	S.P Engineers, Kolhapur	Hardness testing and microstructure analysis of Engineering component	3,000/-
	Sify Technology	Online MBA Entrance Exam	74,550/-
	MKCL For Shivaji University, Kolhapur	MPhil PhD Entrance Exam	
	Super Computer Education	MIDC Project Online Exam	
	Global Network solution, Kolhapur	Networking	-
2013-14	MKCL for Shivaji University, Kolhapur	PhD Entrance Exam	26,790/-
	Sunbeam Infocom Pvt Ltd	Online entrance Exams for Various Departments like Excise, MLS, RTO & MPSC	

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

Policies on Consultancy:

The policy on sharing the income generated through consultancy is given in the institute quality document as follows

1. The consultancy works may be categorized into three types:

Category 'A': Consultancy works involving testing the materials/items using laboratory equipment and machines.

Category 'B': Consultancy works using faculty expertise for analysis, design and programming.

Category 'C': Consultancy works using high quality software's available in the institute.

2. The Consultancy amounts received will be disbursed in accordance with the breakup policy once in 6 months / 12 months, preferably during 1st week of January/July every year.

Table 3.28 Details showing the breakup of sharing the consultancy amount

Sr.	Members/ Items	Category A	Category B	Category C
1	Principal	05	05	05
2	Dean, R & D and consultancy	02	02	02
3	HOD	05	05	05
4	Staff involved			
	i) Faculty	30	45	45
	ii) Technical & Non-technical	15	-	-
	iii) Programmers / Computer	-	-	-
5	College	20	20	20
6	Expenses in preparing the reports and others Actual subjected to a maximum off	18	20	18
7	Depreciation	02	02	02
8	Maintaining the records, typing covering letters, dispatch etc.			
	i) Jr. Assistant/Operator	02	02	02
	ii) Attendant / Helper	01	01	01
Total		100	100	100

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

In view of Institute vision “Social Transformation Through Dynamic Education”, students and faculties are encouraged to involve in the various social activities. Institute always motivates the students for social participation and also drives to achieve its goal of providing higher technical education to create equitable society with ethical values. Institute organizes various awareness programs to create its space in the society. The student involves themselves in different activities which help in building confidence in them as well as in the society. Some of the activities organized to promote institution-neighborhood-community network are as below:

- Guest lectures, seminars, street plays, rally to develop leadership qualities among the students and unemployed youth.
- Health awareness camp at institute campus periodically.
- Literacy programs for villagers to create awareness among them.
- Visits to social organizations like Chetana Vikas Mandir, AVANI Sanstha, Bal-Sankul (Orphanage).

**Donation to Chetana Vikas Mandir****Blood Donation Camp**

- Clean and green activities and awareness programs on environmental protection.
- Inspirational books distribution to Zilla Parishad children school from Kandalgaon area.
- Celebration of various historical and freedom fighter's birth anniversary.
- Blood donation camp every year at the institute campus.
- Tree plantation program and environment awareness (save tree, save environment) rally in Kolhapur city.

a. National Service Scheme (NSS):

Institute has an active NSS cell through which different social activities are planned for each academic year. The institute has NSS unit with a total strength of 100 members and affiliated to Shivaji University, Kolhapur. NSS unit organizes several social services and community development programs and inculcates the importance of social responsibility and service in the minds of students.

b. Entrepreneur Development Cell (EDC):

The Institute has established Entrepreneur Development Cell (EDC). The objectives of this cell are -

- Developing entrepreneurial spirit, characteristics, and personality among students.
- Developing technical, technological and professional competency needed for employment and productive work.
- Managerial capabilities to run business or self-employment activity successfully.
- To contribute towards creation and dissemination of new knowledge and insight in entrepreneurial theory and practice

c. Welcome Function, Mentoring Sessions and Parent Meet:

The institute creates stress-free environment and self-confidence in the students particularly to the newly admitted students at first year and direct second year level by organizing welcome function. The institute also interacts frequently with students to provide help related to academic and personal matters of the students through Mentoring Sessions and Parent Meets.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- Numerous events are arranged and coordinated by students which help in developing their leadership quality.
- Departmental student association recognizes the students who can work in a group and involve themselves in social programs.
- Institute as well as the university has its own mechanism to track NSS activities carried out by the students.
- Guardian Faculty Member collects the information from the concerned students regarding their participation or achievements in various activities.
- Institute keeps track of the articles of students related to their activities which were published in local newspapers.
- Student Council Cell collects annual report of all activities from cultural secretary.
- The work of dedicated students is appreciated by the Management and Principal.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- The vision and mission of the institute are prominently displayed at the major places of the institute. Students are made aware of these vision and mission immediately after their admission.
- Feedbacks are taken from all students to evaluate faculty contribution to improve teaching – learning process.
- The institute conducts parents meet, collects feedbacks from parents and take suggestions from them to improve the quality.

- The institute takes exit feedback, alumni feedback as well as employer feedback to understand perception about performance of institute.
- Industry-Institute Interaction Cell gives feedback and suggestions for performance improvement.
- A registered Alumni association of the institute has been established which helps the institution in extending their activities like to share their experiences, to deliver lectures on placement opportunities and higher education. This contributes towards overall performance and quality of the institution as well as for policy making.
- Suggestion boxes are located at salient places in the institute and any suggestions/complaints received from the stakeholders are enquired by the Principal.
- Regarding overall performance of student, Regular message (SMS) updates are sent to their parent.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The institute's management plans and organizes various extension and outreach programs. Every year budget is allocated for different activities. Some of the activities organized every year are as follows:

Table 3.29 Activities organized and Budgetary details for last four years

Sr. No.	Frequency of Event	Type of Event	Yearly Budget (in Rs.)
1	Twice in the year	Short Term Training Program	50,000/-
2	Once in the year	National Conference on Recent Trends in Engineering & Technology	1,25,000/-
3	January to August of Every Year	Awareness Programme about Engineering Admission Process & Career Guidance for the students	90,000/-
4	Once in the year	Technical National Level Event- Creanturous	1,00,000/-
5	Once in the year	Seminar related to Entrepreneurship Development	---
6	Once in the year	Workshop on PCB Design for Students	---

7	Twice in the year	Training on Soft Skill Development	---
8	Round the Year	N.S.S. Activities	30,000/-

- There are variety of activities such as departmental student association's activities, seminars, debate competitions, orientation programs, technical model exhibition and competitions which are organized by institute to develop overall personality of the students.
- Institute organizes Industrial Visits and Trainings for the students.
- Institute organizes several activities through 'Internal Complaints Committee' for girl students and ladies staff such as awareness programs on prevention of sexual harassment, cyber crime, women health etc.
- Institute organizes motivational seminars on Higher Studies in Foreign countries, Opportunities to Engineers in UPSC & MPSC Exams etc.



Seminar on Higher Studies in Foreign countries



Debate Competition

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- Institute's website is regularly updated with the latest events organized along with photos of the events. Similarly information about various events is displayed on notice boards.
- Institute promotes the departmental student's associations to plan and executes different technical, cultural and social activities under their own monitoring and leadership.
- NSS Coordinator and faculty members motivate the students for involvement in NSS activities.
- Every year institute arranges 7 day residential NSS camp in nearby village.

- Institute organizes various events such as social awareness rally on various communities related issues (for e.g. save girl child rally, tree plantation program, blood donation camp, fruit distribution in Orphan School & Vrudhashram, don't drink and drive campaign etc.)



NSS Camp



Visit to Matoshri Vrudhashram

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the institute to ensure social justice and empower students from under-privileged and vulnerable sections of society?

- The students and faculties of Department of Civil Engineering surveyed building of Lonar Vasahat Vidyalaya, Kolhapur. It is found to be vulnerable. They recommended plan of new construction or rejuvenation of that building.
- Students from Civil Engineering department carried out cleanliness program at RANGANA fort to make the fort plastic free.
- Awareness Programme on “Cashless Economy” carried out by the faculties of Department of Computer Science & Engineering at Mouje Sangaon, Tal. Kagal, Dist. Kolhapur as well as at various villages & places nearby the institute.
- Every year, students visit to social organizations like Bal-Sankul, AVANI Sanstha, and Chetana Vikas Mandir. They donate various gifts, sweets and some materials for their noble cause.



Awareness Programme on “Cashless Economy”

Contribution to needy Children

- NSS Volunteers carried out survey regarding Atal Pension Yojana, Jivan-Jyoti, Jan-Dhan Yojana, sex ratio, availability of bank account, Aadhaar card, separate water connection, own Toilet at Mouje Sangaon village. Based on survey report awareness was created and Aadhaar Card Registration Camp was organized.



Social Survey

Aadhaar Card Registration Camp

- Institute initiated survey of nearby area with the help of students and planted trees by launching tree plantation program in association with nearby villagers.
- During the NSS camp held at various villages, the NSS students noticed that children from those villages are unaware of computer knowledge. So our students arranged computer literacy program at the school of Yavluj & Kandalgaoon villages.
- General knowledge test organized for school children of Yavluj & Bambarwadi. Around 400-500 students participated and meritorious students are awarded with gift prizes.

- On occasion of Ganeshostav-2014, institute collected aid in the form of cloths, sweet, water purifier and distributed to the orphanage.
- Institute gives relaxation in fees, scholarship to the students from under privileged and vulnerable sections of society.
- For underprivileged students the book bank scheme is provided by the institute.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

Objectives:

- To enhance social and ethical values among the students.
- To enable the students to identify the social problems and help in finding the solution.
- To develop nationality among the students.
- To develop the leadership qualities and moral responsibilities.
- To prepare students for social disaster.

Expected Outcomes:

The involvement of students in various extension activities imbibes social responsibilities, ethics and patriotism among the students. The interested students are spreading awareness in the institution and motivating other students for the cause of social upliftment.

- The outcomes of the extension activities help to develop overall personality of the students, which in turn will be useful in obtaining social stature.
- Some of extension activities help students to understand real life problems.
- Students can apply the knowledge to solve the community problems and to develop life-long learning skills.
- The extension activities expose the students to rural life and possible application of technology to make village life comfortable.
- Entrepreneurship skills are also developed amongst the students.

Some details of programs that have organized to complement students' academic learning experience and development of their values and skills as follows-

- The institute has organized Senior Citizen Guideline Program to understand the problems faced by senior citizen and how to overcome them.

- Organization of Health Camp for students and staff to release their mental stress and improve their physical fitness.
- Institute initiates “Save Girl Child” campaign and rally in Kolhapur city to create awareness related to improvement in male-female sex ratio.
- Organization of Teacher’s Day program in which the students engage lectures, which will helps to develop stage daring and confidence in them.
- Institute organized Road Safety Awareness Program for students to know the traffic rules and regulations and make aware about safe driving.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- Institute creates awareness among the students about the need of enrolling in electoral voting during general elections and also motivates the public on usage of Vote Rights.
- Organize health awareness camp and blood donation camp at institute campus and gives publicity in nearby area to participate in the camp.
- Conducts free classes to school children or institute level students on basics of mathematics and science.
- Creating awareness about hygiene and pollution free environment.
- Organizes a computer literacy program for school students of Bharati Prashala, Kolhapur.
- The NSS unit of the institute organized camp in Yavluj, Bambarwadi and Kaneriwadi village to develop the area with support of villagers.



Don't Drink & Drive Rally



Street Play by students

- Institute has organized Environment Protection Rally in the Kolhapur city to aware people about importance of clean & green environment.
- Institute organized tree plantation program nearby campus and from R. K. Nagar, Kolhapur to National Highway with the involvement of local villagers, political leaders of Kandalgaon& Morewadi.



Tree Plantation Program



Environment Protection Rally

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- To develop constructive relationships to other institutions, our faculty members having visits to other institutes to enhance the skills by sharing their views, ideas and also by guiding their students.
- Institute develops relationship with blood banks like Jeevandhara Blood Bank, Bharati Blood Bank etc. for collection blood during blood donation camp which is arrange every year in campus.
- To improve the campus placement ratio and to enhance the personality of students institute has collaboration with Universal Education Bangalore, CMS IT Services Pune and Seed InfoTech Pune.
- Institute has shoulders the responsibility of conducting “AVISHKAR” Research Project Competition at district level Shivaji University, Kolhapur.
- Institute organizes various lead college technical and sport activities promoted by Shivaji University, Kolhapur.
- Institute and Karveer Police Station jointly organizes program on ‘Sexual Harassment Prevention’.

- With the assistance of High Way Police and Maruti Motors Group, the institute has organized an awareness programme on “Safe Driving” for the benefits of students and villagers from Kandalgaon and Morewadi.
- In association with Sakal Media Group, institute has been working with forum named Young Inspirators Network (YIN). This forum aims to promote students innovation for social development/ activities.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

- Bharati Vidyapeeth's Institute of Engineering, Kolhapur has received the “Police Mitra Award” from Kolhapur Police.
- Felicitation of NSS program coordinator & NSS volunteers as “Best Volunteers” for doing excellent work during Ganesh Festival.
- Letter of Appreciation from Senior Citizen club, Kolhapur for carrying excellent work by the NSS volunteers during three days conference of senior citizens held in Kolhapur.
- Letter of Appreciation from Jeevandhara Blood Bank for continuous Blood Donation Camp.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Table 3.30 Details of Institution collaborate and interact with research laboratories

Sr. No.	Name of research laboratory/ institute/ industry	Activities conducted by collaborating party	Benefits accrued
1	Texas Instruments, Bangalore	<ul style="list-style-type: none"> • Workshop on MSP-430 • Embedded Lab Development • Project Sponsorship • Analog Maker Competition 	Sharing Facilities and Equipment
2	IIT Bombay	Development of Robotics Laboratory	Sharing Facilities and Equipment

3	Bharati Vidyapeeth's College of Pharmacy, Kolhapur	Development of Intelligent Bioassy Process	Collaborative Research
4	Seed Infotech, Kolhapur and Shivaji University, Kolhapur	Seed IT Idol Competition	Prizes and Scholarship

3.7.2 Provide details on the MOUs / Collaborative arrangements (if any) with institutions of national importance/ other Universities/ industries / Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Table 3.31 Summary of the MOUs

Sr. No	Department	Number of MOUs				Total
		2016-17	2015-16	2014-15	2013-14	
1	Electronics and Telecommunication Engineering	22	16	12	06	56
2	Computer Science and Engineering	25	26	32	11	94
3	Mechanical Engineering	11	02	11	02	26
4	Civil Engineering	04	05	05	02	16
5	Electronics Engineering	19	16	17	-	52
6	Information Technology	03	06	06	13	28

Significant MOUs showing nature of collaboration and contribution to the development of the institution are mentioned below.

Table 3.32 Significant MOUs

Department	Organization	Nature of Collaboration
Electronics and Telecommunication Engineering	Edgate Technologies Pvt. Ltd, Bangalore	Development of Laboratory
	Universal Technologies, Kolhapur	Exploring the possibilities of permitting the students to undergo vocational training for final year project work
	Department of Pharmacology BVCOP, Kolhapur.	Collaborative research, resource sharing
	Square Robotics and Automation, Kolhapur.	
Computer Science and Engineering	Mindwings Software Pvt.Ltd	<ul style="list-style-type: none"> Sharing the technology for

	Softron Technology, Kolhapur Impleidea, Kolhapur INET SOFT Technologies, Kolhapur	academic purpose <ul style="list-style-type: none"> To provide resources for application development To provide internship program for students as per requirements Encouraging students for project development
Mechanical Engineering	Shark Enterprises Gokul Shirgaon, MIDC Kolhapur Amol Castings Gokul Shirgaon, MIDC Kolhapur Jadhav Industries Gokul Shirgaon, MIDC Kolhapur Ashelesh Enterprises Kolhapur	About Vocational Training, Support and Sponsorship for Project, Usages of Library Facilities, Industrial Visit, offering Technical Consultancy
Civil Engineering	Parashuram K. Remaniche Engineers and Contractors Water Treatment Plant Kolhapur Municipal Corporation R. V. K. Buildcon LLP Santosh D. Kumbhar Consulting Engg.	<ul style="list-style-type: none"> To provide site visits To study building materials and building components To study various types of drawing
Electronics Engineering	Wandre Agro company, Miraj Om Industries CNC, VMC, Machining unit Mayuresh Industries Parmochh Construction	Student Visits, Collaborative Research, Consultancy Activities
Information Technology	Earth Logicware Ltd. Kolhapur Micro Computer, Simesh Warananagar NETSOFT, Kolhapur Shree Durga Print Solution, Kolhapur	Project Ideas for final year students

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

- Industry-Institute Community interactions by inviting scientists and industrialists to deliver guest lectures and to organize workshops and seminars helps students to understand and adapt to the changes between campus life and corporate life
- Faculty and students are aware to meet the technological needs of industry and society.
- Laboratories are upgraded with advanced equipment through the amounts allotted through institute budgets.
- Awareness on importance of collaborative research projects and live projects for students is created by inviting eminent scientists and industrial personnel.
- Both faculty and students are benefited by organizing Industry oriented workshops where in they gain hands-on experience and industrial exposure.
- The Training Institute which is finalized to train students also provides placement services to the students.

Table 3.33 Industry-Institution-Community Interactions

Sr. No.	Industry-Institution-Community	Facilities/ Activities	Contributed to
Electronics and Telecommunication Engineering			
1	Edgate Technologies Pvt. Ltd., Bangalore	Analog Maker Competition, Hands-on MSP-430 and Project sponsorship	Development and up-gradation of technology in Embedded systems applications
2	IIT Bombay	Robotics Laboratory	Students and Staff Support
Mechanical Engineering			
3	IIT Bombay	Solar PV lab Kit	Up-Gradation of Academic Facilities
Department of Computer Science and Engineering			
4	CMS IT Services, Kalyan & Thane	Student Training and Placement	Students Development and Placement Services

Department of Training and Placement			
5	Seed InfoTech Pvt. Ltd. Pune	Student Training and Placement	Students Development and Placement Services
6	Barclays CSR Program through Global Talent Track Pvt. Ltd. Pune	Student Training	Soft Skill Development

3.7.4. Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Table 3.34 List of Eminent Person contributed to various events

Year	Events	Eminent Person
2016-17	Guest Lecture on "Gravitational Waves"	Mr. Chinmay Kalghatgi Research Scholar, U.S.A.
	Celebration of Teacher's Day	Dr. Jaydeep Bagi Director, Dept. of Technology, S.U.K.
	Celebration of Engineer's Day	Mr. Rajendra Sawant President, Architects and Engineer's Association, Kolhapur
	World Heart Day Celebration	Dr. Ashok Bhupali Well-known Cardiologist
	Seminar on "Women Empowerment and Health Awareness"	Dr. Pravin Hendre President, Kolhapur Medical Association & Dr. Ragini Hendre
	CESA Inauguration and SE Welcome Function	Mr. T. Rajkumar Chief Manager, Operation & Maintenance at GAIL, India
	National Conference on "Emerging Trends in Engineering & Technology" (NCETET -2017)	Dr. Sachin S. Shendokar Principal, BVCOE, Lavale, Pune Prof. Pratapsinh Desai President, ISTE, New Delhi
	A Seminar on Aptitude for Students	Ms.Sayali Chavan , Mr Ranjeet Chavan, Solman IT services LLP Shahupuri, Kolhapur
	Seminar on Linux on 10 th Jan 2017	Mr. Yogesh Babar Red Hat, Pune
	Two Days workshop on Aptitude and Communication Skills on	Mr. Amit Yashwant Prabhu, Campus For You , Rajarampuri Kolhapur
MESA Inauguration	Mr. Kales Patel Managing Director , Advance Casting, Kolhapur Mr. Kevel Patel C.E.O., Kolhapur Casting, Kolhapur	

2015-16	Computer Engineering Students Association (CESA) Inauguration	Mr. Indrajeet Deshmukh, Additional CEO, Zilla Parishad, Kolhapur.
	Teachers Day Function	Shri. L.R. Nasirabadkar, Renowned Author and Philosopher, Kolhapur.
	Inauguration of ETC Engg. Student Association	Ms. Pranali Aawati Asst. Commissioner of Sales Tax, Kolhapur
	CESA Inauguration	Mr. N.S. Sarnobat City Engg. Kolhapur Municipal Corporation, Kolhapur Mr. R.K. Patil KMC'S Chief Environmental officer.
	Engineer's Day	Prof. Pratapsinh K. Desai President of Indian Society of Technical Education, New Delhi
	Aapale Police Abhiyan	Mr. Dayanand Dhome P.I., Karveer Police Station
	National Conference (NCETET)	Mr. Vishwas Kadam Ex.- Head, Dept. of Compliance & Governance, Brunei Shell Petroleum Company, Brunei Dr. S. H. Sawant Dean, Engineering, Shivaji University, Kolhapur
Farewell Function	Mr. B. H. Patil Ex- Scientist, ISRO	
2014-15	Faculty Workshop on "Measurement Techniques in Radio Frequencies"	Mr. Vaman Jogalekar Synergy Measurement Technology, Pune. Mr. Vivek Murkute Techno field Solution, Pune
	"Aapale Police" Abhiyan	Mr. Dayanand Dhome P.I., Karveer Police Station, Kolhapur
	Seminar on Career Guidance and Personality Development	Mr. Prasanna Karmarkar and Mr. O.R. Barve, UGC, Career and Counseling Cell, Shivaji University, Kolhapur
	Seminar on Project Guidance	Mr. Amit Sharma, Manager, NIIT, Pune and Mr. Kishor Dhenge, Business Executive, NIIT, Kolhapur
	International Youth Day, Savand Tarunashi-Ek Badal Sakaratmak	Mr. Ankit Goyal (I.P.S.) Additional S.P., Kolhapur
	Inauguration of CESA	Ms. Rucha Pujari, International Chess Player & Woman FIDE Master Winner
	Teacher's Day Function	Prof. Mahesh Kakade Controller of Examination, Shivaji University, Kolhapur
	Engineer's Day	Mr. D. D. Doke C.E.O. Zilla Parishad Kolhapur.
	Savitribai Phule Jayanti	Ms. Meena Jagtap A.P.I., Mahila Dakshata Samiti, Kolhapur
Women's Day Celebration	Ms. Anuradha Gurav Well-known Writer, Kolhapur	

	Seminar on “ How to prepare & crack GRE, GMAT, TOEFL, IELTS & global education”	Mr. Gaurav Ranjan Chopra's Consultancy, Pune
	National Conference on Emerging Trends in Engineering & Technology (NCETET-2015)	Prof. Dr. M. R. Gidde Principal, Bharati Vidyapeeth's College of Engineering, Pune.
2013-14	CESA Inauguration & Fresher's Welcome Function	Mr. Charudatta Joshi, Chief Editor B –News & Ms. Rahi Sarnobat, Ace Shooter & Olympian.
	EESA Inauguration & SE Welcome.	Mr. A. R. Vibhute, Director Doordarshan, Kolhapur.
	Two Days Development Programme on “Recent Trends in Computer Science and Engineering and Information Technology”	Padmashree Dr. Shivram Bhoje, Retired Scientist, ISRO
	Celebration of Teachers Day	Prof. J. F. Patil, Retired Eminent Economist, Kolhapur
	CESA Inauguration	Mr. Ajinkya R Patil Executive Engg, Koyana
	Engineer's Day	Mr. B. S. Shimpukade, Chairman, Shimpukade Group of Industries, Shirol, Kolhapur
	National Conference on “Emerging trends in Engg. & Tech”	Dr. P. B. Mane Principal, All India Shivaji Memorial Society Institute of Information Technology, Pune.
	“Vrukash Dindi”	Vijaysingh Jadhav, Superintendent of Police (S.P.), Kolhapur
	Avishkar 2013-14	Dr. A.S Bhoite Pro. VC, Shivaji University, Kolhapur Dr. B. M. Hirdekar Controller of Examination, Shivaji University, Kolhapur
	ISTE- STTP on “Recent Trends in Communication Engineering & Methodology.”	Dr. V. S. Bandal C.O. E., Pune

Institute organizes National conference every year and invites papers on latest trends from the participants. Eminent persons are invited as judge and to deliver key note for the conference.

Table 3.35 Details of National Conference

Year	Name of Conference	Organizing Department	Eminent Persons
2016-17	National Conference on Emerging Trends in Engineering and Technology (NCETET) 2K17	Mechanical Engineering	Dr. Sachin M. Shendokar Principal, Bharati Vidyapeeth, College of Engineering, Lavale, Pune. Prof. Pratapsinh K. Desai President, ISTE New Delhi.
2015-16	National Conference on Emerging Trends in Engineering and Technology (NCETET) 2K16	Mechanical Engineering	Mr. Vishwas Kadam Ex. Head, Compliance and Governance Shell & Oil Company, Brunei. Dr. S. H. Sawant Dean, Faculty of Engineering & Technology, Shivaji University Kolhapur Dr. H. M. Kadam Regional Director, Bharati Vidyapeeth Pune.
2014-15	National Conference on Emerging Trends in Engineering and Technology (NCETET) 2K15	ETC Engineering	Dr. M. R. Gidde Professor, Bharati Vidyapeeth Deemed University College of Engineering, Pune.
2013-14	National Conference on Emerging Trends in Engineering and Technology (NCETET) 2K14	Information Technology	Dr. P. B. Mane Principal, AISSMS Institute Pune. Dr. S. D. Joshi Professor, Bharati Vidyapeeth Deemed University College of Engineering, Pune.

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated

a) Curriculum Development/Enrichment

BOS of each department has experts both from Industry and Reputed Institute. The BOS meets frequently and suggests the affiliating university the modifications and up-gradation in the syllabus keeping in view the needs of Industry and ongoing changes in relevant disciplines.

b) Internship/ On-the-Job Training

Collaboration with various industries provides an opportunity to the students for industry exposure, acquiring training skills for placements and getting projects from industries.

c) Summer placement

Collaboration with various industries / organizations helps the students to undergo short-term training and internship programs during summer vacation period and semester break period.

d) Faculty Exchange and Professional Development

- Institute arranges workshops, seminars and conferences at department and inter-department levels to exchange the ongoing research activity in the fields of national importance and industry needs.
- Institute deposes faculty to exchange their research expertise at workshops, conferences and training programs arranged at other colleges / organizations.
- Institute frequently arranges faculty development programs inviting resource persons from reputed Academic and Industry persons.

e) Research

Institute organizes conference, workshops and seminars on research area with the help of industrial experts.

f) Consultancy

The Institute has established consultancy cell and encourages the faculty to take up consultancy works and to extend services catering the needs of the society and industry / companies.

g) Extension

Institute in collaboration with Social Service Organizations takes up extension activities for social awareness and social development.

Following are some of the extension services taken up by the college

- Every department provides separate space for students which provides platform to present their skills.
- 'DHRUV-character & competence' club has conducted various seminars on stress management, power of habits, overcoming of bad habits,

discover yourself, study tips, relation building, and lifestyle management for students..

- Institute Publicity Committee shoulders the responsibilities of communicating activities to all stake holders.

h) Publication

- The institute encourages the faculty and students to publish their research outcome in reputed journals and conferences.
- Institute publishes Annual Magazine “Vishwa Bharati” which promotes students articles.

i) Student Placement

- Providing job market information and related inputs to students
- Pre-placement training from Second year onwards by reputed training agencies.
- Personality Development Programs and frequent Assessment Tests in Aptitude, Reasoning and Verbal.
- Evaluation of students by external assessment agencies

j) Twinning Program

- Institute arranges various competitions for students in collaboration with industry.

k) Introduction of new Courses

Keeping in view the needs of the society and industry/company following new post graduate courses are introduced in academic year 2014-15.

- M.E. in CAD/CAM/CAE
- M.E. in Computer Science and Engineering

l) Student Exchange

- Students are deputed to industries / research organizations during summer vacation for industry exposure and to take up the projects related to industry needs.
- The departments organize state-wise and inter collegiate festivals, seminars and technical paper contests and students from various institutions exchange their ideas in thrust areas of engineering and other fields.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

- Informal discussions between Principal, HOD's, TPO and institute/ industry lead to linkages.
- Institute initiates signing of MOU's with various industries for students and faculty development.
- Institute Invites expertise from various industries for delivering Guest Lectures, seminars, Judges and key note address in Conferences etc.
- Institute encourages joint technical programs and events with Industry.
- Institute organizes Industrial visits to Industry as per need of curriculum.
- Industry Institute Interaction cell is established which initiates industry linkages/collaborations.
- Department Advisory Committee of each department has members from industry which helps in linkages/collaborations.

CRITERION – IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The institute adheres to the norms provided by AICTE and university to produce infrastructure and facilitate effective teaching and learning. Bharati Vidyapeeth's College of Engineering, Kolhapur is established in the year 2001 with the view of imparting quality education. The institute is affiliated to Shivaji University, Kolhapur and it is approved by AICTE, New Delhi. The institute offers student centric education. The institute management is devoted towards development and continuous improvement of infrastructure facilities such as library with reading room, digital libraries, free journal access to students and faculties, canteen, auditorium, well equipped computer labs with internet connection, well equipped and furnished laboratories, play ground, amenities to boys as well as girls.

Institute Aims at

1. To provide sufficient, ventilated and lighted academic and administrative spaces for effective teaching and learning.
2. To have seminar halls, faculty cabins, digital library for effective teaching and learning process.
3. To provide continuous access of internet to students and faculty members.
4. To develop class rooms, tutorial halls, departmental and central library and contents to meet the changing requirements of teaching learning process.
5. To develop labs as per course requirement.
6. To provide good learning materials like charts, write ups, multimedia, models, for enhancing the teaching learning process.
7. To provide amenities like canteen, playground and gymnasium.

4.1.2 Detail the facilities available for

- A) Curricular and Co-curricular Activities** – Classrooms, seminar halls, tutorial rooms, laboratories, specialized facilities and equipment for teaching and learning.

Table 4.1 Details of areas provided for effective teaching and learning

Sr. No.	Description	No.	Total area (Sq.m.)	Average carpet area of each room (Sq.m.)
1	Classrooms	39	2932	75.17
2	Tutorial Rooms	UG	09	335
		PG	03	209
3	Drawing halls	02	292	146
4	Seminar Halls	07	993	141.85
5	Library	01	1116.40	--
6	Laboratories	53	3933	74.20
7	Research laboratories	02	147	73.50
8	Workshops (F.E.)	02	200	100
9	Auditorium	01	285	--
10	Additional workshop	04	821	205.25

Details of classrooms, tutorials, seminar halls, library and laboratories**Classrooms**

- The institution has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes.
- Classrooms are spaciouly designed so that proper ventilation, lighting is provided with good acoustics.
- All the class rooms of individual departments are at close proximity in order to have better access for the students.

Seminar halls

- Each department has separate seminar hall to conduct conferences, workshops and seminars for students and faculty.
- Each seminar hall is equipped with LCD projector, LCD screen, white board and public addressing system.

Tutorial rooms

- Each department has tutorial rooms to conduct tutorial classes to address the personal level doubts and queries of the students.
- Tutorial room is equipped with black board, wooden benches, fans, windows for ventilation and tube lights for proper lighting.

Laboratories

- All laboratories are well equipped and well maintained not only for carrying out curriculum- oriented lab practicals but also to carry out research activities.

B) Extra-curricular activities: Sports, outdoor and indoor games, gymnasium, auditorium, NSS, cultural activities, communication skill development, etc. are arranged regularly.

Sports, outdoor and indoor games, gymnasium

- The institute promotes sports and games and offers the individual an opportunity to enhance abilities like strong will power, expressions, physical and mental development, courage and social interaction.
- Physical director also organizes Annual Sport events every year.
- A separate playground of 6500 Sq.m. area is provided in institute campus which is used for various purposes like lead college sports events as well as inter college sport events.
- Students of the Institute participate in various sports and games like chess, cricket, carrom, football, table tennis, volleyball, kho-kho and kabbadi.
- We organize university level lead colleges tournaments of various sport events. Institute organizes sports week every year to develop team spirit, leadership qualities and organizing ability among all students.
- A full time qualified Physical Director is appointed to look after the games and sports activities of the institute.
- The outdoor games such as football, volley ball, cricket, athletics, kho-kho, kabbadi are also provided.
- A separate indoor games facility for playing table-tennis, carrom and chess is provided and it is being used by the students.
- The Institute provides Sports Kit and Sports Material for students who participate in Inter- State/National Level, Lead Institute, Zonal, Inter-zonal, West Zone, All India Inter University tournament and many other different types of game and sports. The Institute also reimburses the T.A. and D.A. as per University rules and regulations.

Auditorium

- The institute has an auditorium with a seating capacity of 275 nos.
- Auditorium is equipped with LCD projector, LCD screen, well-furnished interior, good sound system and public addressing system.

NSS

- The Institute has a NSS Unit with a total strength of 100 volunteers, affiliated to Shivaji University, Kolhapur.
- The unit was established with an objective to cultivate the attitude of social service in the minds of students and to make them as responsible citizens.
- Every year we organize seven days resident NSS camp in the nearby villages and take activities like woman empowerment, Gram Swachata Abhiyan, Tree plantation, save girl child, Motivational Rallies, and shramdan shibir.
- We organize several social awareness campaigns and programs such as Blood donation, Tree plantation, Save girl child campaign, Police mitra abhiyan, Cyber crime awareness, Road safety campaigning, Awareness of cashless transactions and celebrating anniversaries of various national legends.



Blood Donation Camp



Shramdaan Shibir



Gram Swachhta Abhiyan



NSS Camp

Cultural activities

- Every year we arrange “Bharatiyam” (Annual Social Gathering) and prize distribution program.

- During annual social gathering we arrange entertainment programs like dance, dramas, antakshari, fashion shows, singing and talent show.
- Rankers of university exams, winners of different sports event and other competitions are awarded in the annual social gathering.
- Departmental associations conduct events aimed at overall development of the students.
- We encourage our students to participate in cultural activities and competitions which are held outside the institute. The competitions are like Shivaji University youth festival, Bharatiyam karandak, Bharati kala mahotsav, Ganesh festival and purshotam karandak.



Annual Social Gathering



Ganesh Festival



Performance in Annual Social Gathering

Communication skills development

- The institute has separate English language communication skills laboratory provided with computers and audio system.
- Advanced communication skills laboratory focuses on reading and writing skills and integrating these with speaking, listening and other intra and interpersonal skills.
- With the growing importance of soft skills, the training and placement department is imparting Soft Skills to the student's right from first year

onwards. Along with regular subjects, a separate training is allotted to each branch for training on communication skills, aptitude, and verbal and soft skills development.

International Yoga Day Celebration

- International Yoga day is celebrated on every 21st June in the institute. This year the programme was conducted under the guidance of yoga expert Dr. Ashok Sakakar. For this programme our Principal, NSS coordinator, all teaching and non-teaching staff remain present.



International YOGA Day

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/campus and indicate the existing physical infrastructure and the future planned expansions if any).

Institute possesses the infrastructure as per the norms of AICTE, University and State government to ensure the infrastructure adequacy and optimum use for academic growth. The requirements and availability of the infrastructure is reviewed periodically and enhancement is made as per the requirement. The master plan is as shown figure 4.1.

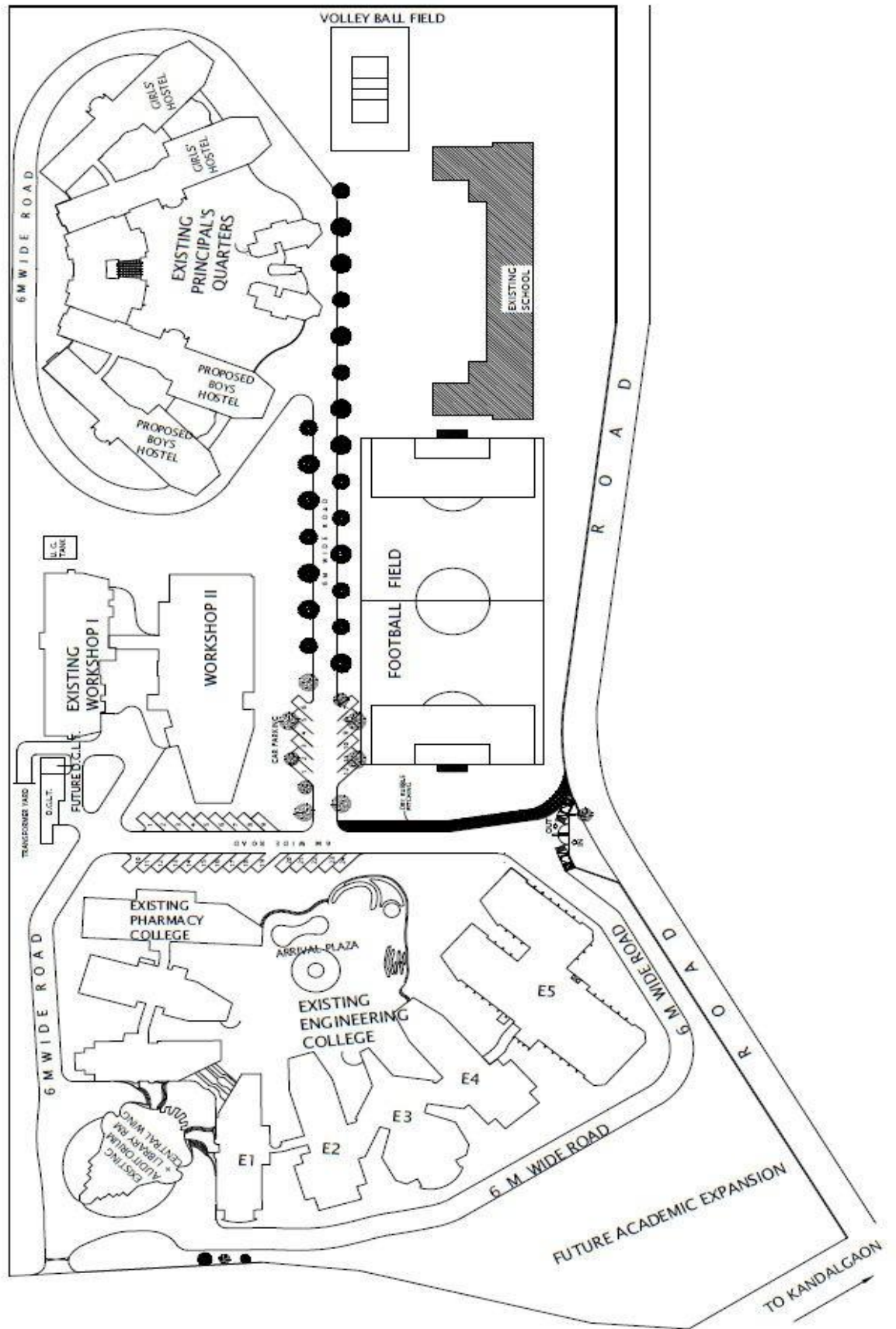


Figure 4.1 Master plan of the Institute

The institute is situated in an area of 10 acres. The total built up area of all the buildings is 21364 Sq.m. which consists of classrooms, seminar halls, drawing halls, laboratories, workshops, central library, faculty cabins, administrative offices, canteen and hostel.

Table 4.2 Area details of the Institute

Total built up area ready (Sq.m.)	21364
Total Instructional area in (Sq.m.)	10281
Total Administrative area in (Sq.m.)	1381
Total Amenities area in (Sq.m.)	2040

Table 4.3 Facilities Developed in the last four years and the amount spent in INR (Amount in lakhs)

Items /Years	2016-17	2015-16	2014-15	2013-14
Acquisition of land, new building and infrastructural built up	180	225	270	270
Library books and	7.38	3.44	4.54	4.92
Library E-journal, print journals and magazines	8.15	11.63	9.80	9.18
Laboratory equipments and software	6.26	23.35	72.87	100.88
Games and sports	1.36	1.27	4.99	4.25
Furniture	4.95	15.70	36.58	30.76
Administrative and other expenditures	1171.45	1058.20	1219.76	1140.24
Total	1379.55	1338.59	1618.54	1560.23

Future planned expansions

1. Renewal and extension of internal roads
2. Covered parking for vehicles

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

- The institute has taken care of physically disabled students. In this regard ramps, lifts have been provided in the main building.
- Institute has made appropriate provisions in washrooms, class rooms and labs to provide the easy movement for physically disabled students.

4.1.5 Give details on the residential facility and various provisions available within them:

- **Hostel Facility**

G+3 hostel facility is available for boys in institute campus. MOU's are assigned with local hostels for Girls nearby campus.

- **Recreational facilities**

The facilities like canteen, indoor games and gymnasium for both girls and boys are provided.

- **Medical facilities**

There is a provision of first aid with all the facilities required for medical assistance. The doctor or ambulance is available on call at other times.

- **Hygiene facilities**

Sweepers and cleaners are provided separately for cleaning of toilets and common areas in the hostels. Water coolers with RO water purifiers ensuring constant supply of safe drinking water are available in the hostels.

- **Wi-Fi facility**

Free Reliance JIO 4G internet facility is provided within campus to all.

- **Security**

Provision of separate rector and warden is made for the boy's hostel. Also separate security guards are appointed at the entrance of the boy's hostel and strict discipline is maintained.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Facilities for medical emergencies:

- First aid kits are provided to every department, workshop, gymkhana and office.
- Doctor and ambulance facility is provided on call.

4.1.7 Give details of the Common Facilities available on the campus – spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Institute has fully functional Internal Quality Assurance Cell which constitutes chair persons, members from management, heads of department, alumina, administrative officer and coordinator of the cell. The objective of the cell is to assess the quality and need for improvement of entire operations of the institute. The IQAC cell has total area of 150 Sq.m. To ensure stated aim, institute has formed various committees like grievance redressal committee,

internal compliance committee, health care committee, gymnasium, anti ragging committee, discipline committee. To assure speedy redressal of grievance head of the institute and head of the departments are easily accessible during office hours.

Each department takes care of counseling and career guidance to students including first year students. The institute follows guardian faculty system. Each class has separate guardian faculty to ensure discipline over the class in addition to this a mentor faculty is appointed for the group of 20 to 25 students who counsels students frequently and contacts parents if necessary.

In order to achieve the competence in students training and placement cell conducts orientation and training programs by external and internal training agencies. A full time training and placement officer is appointed with separate training and placement cell. The training placement cell has total area of 50 Sq.m.

The training and placement cell aims,

- To motivate students for training with industries and reputed organization as per their interest.
- To set up students for campus interviews by arranging training in aptitude tests, group discussions, preparation for technical and human resources interviews through professional training agencies.
- To encourage students for career by arrangement of guest lecturers of corporate personnel.
- Interaction of current industrial scenario with the help of industrial visits, seminars, workshops and conferences.
- To obtain feedback from the industry and facilitate to incorporate the required topics in the subsequent training programs.
- To provide training for personality development and communication skill with the focus on fundamentals.
- To establish cooperation with industry for placement of students.

Training and placement cell formulated a committee with a faculty coordinator from each discipline and a student coordinator from each section. This committee discusses various training needs, tests patterns and employment opportunities.

Hygienically maintained canteen facility of 250 Sq.m. is provided in campus for both the staff and students with the seating capacity of 100. Three private nursing homes exist within a distance of 5 km from the institute; MOU is assigned with one nursing home.

Water storage tanks with a total capacity of 373000 liters are provided for usage and water tanks with a total capacity of 21750 liters are provided for drinking purpose, purified water is supplied to all academic blocks, canteen and hostels. Water is available for 24 hours in campus. Eleven water coolers with water purifiers are provided at respective department and also one water cooler with water purifiers are provided in hostel.

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

- We have well organized library advisory committee for controlling the activities of library.
- The committee is intended to plan and coordinate the execution of the requisite procedures for the functioning of the library.
- The committee takes up the process of budget planning and its effective utilization.
- Advisory committee takes up the process of procurement of the books and journals.
- Advisory committee ensures the up-gradation of the library with technical developments.

Composition of the Advisory Committee

The library advisory committee comprises of following members

1. Chairman of library - from any department
2. Members of library – One faculty from each department
3. Two students (1 - Male and 1 - Female)

Significant Initiatives of the Committee

- The committee finalizes the required budget for library in the academic year and then it utilizes same for the purchase and maintenance of books, journals and E-resources.

- Library committee maintains register to monitor the student and staff utilization of the library.
- The committee shall take into consideration all the procurement criteria for library.
- The committee shall look into the indents of the departments and the purchase mechanism with multiple volumes wherever necessary. The chairman and the members of the committee shall undertake all the operations in coordination with the Librarian and other Library personnel.

The following responsibilities are assigned to the library advisory committee.

- To determine the number of books and journals available and required for the library.
- To plan the library budget for academic year and their utilization.
- Record maintenance of budget utilization for the previous year.
- Distribution of budget for books, journals, periodicals and e-recourses.
- Purchase mechanism for the central library.
- Proper functioning of the digital library.
- Ensuring the effectiveness of the open access system.
- Maintaining student behavior with the books as well as in library.
- Displaying notifications on library notice board.
- Finding the areas that need to be improved in the library and providing the appropriate measures.

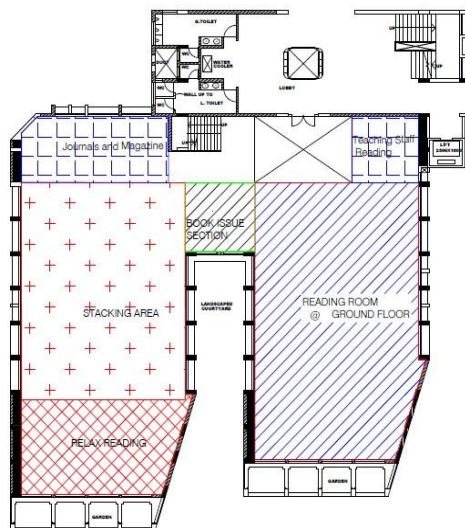
4.2.2 Provide details of the following

- Total area of the library (in Sq.m.) : 1116.40 Sq.m.
- Total seating capacity : 600 Nos.
- Working hours (on working days, on holidays, before examination days, during examination days, during vacation) :
- On working days: 09:15 am to 06.00 pm
- Before examination days : 08.00 am to 10:00 pm
- On examination days: 08.00 am to 10:00 pm
- During vacation : 09.15 am to 05:30 pm

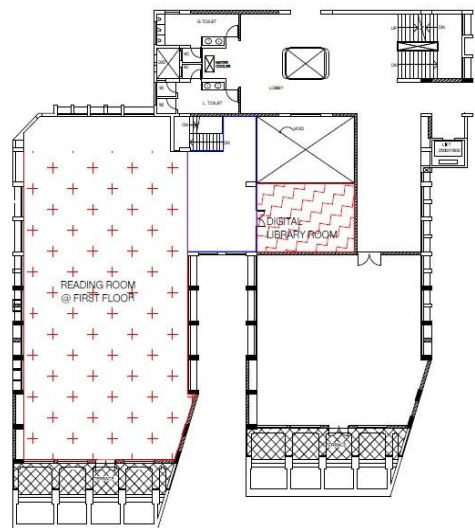
- **Layout of the Library**
- **Ground floor:** Text book section, journal section, periodicals, circulation section, book bank, book bank for SC/ST, back volumes, project reports and media resource centre. (news papers, magazines, novel section)
- **First floor:** Reading rooms, digital library.

Table 4.4 Area statement of Library

Description	Area
Reading room at ground floor	241.32 Sq.m.
Reading room at first floor	299.13 Sq.m.
Issue section	25.67 Sq.m.
Stacking area	192.87 Sq.m.
journal and magazine	51.71 Sq.m.
Digital library	31.16 Sq.m.
Teaching reading lounge and relax reading	101.78 Sq.m.



GROUND FLOOR PLAN



FIRST FLOOR PLAN



Book section



Issue section



Digital library and reading room at first floor



Reading room at ground floor

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

All the records regarding books purchase, e journals and other reading material is maintained within library. The bill records of all purchases are maintained in bill record books.

The Library advisory committee reviews the requirement received from various departments and recommends the same to the college management committee for further processing. The Institute gets the all reading material well in advance of the commencement of academic year.

Table 4.5 Details of the amount spent during the last four years

Library holding	2016-2017		2015-2016		2014-2015		2013-2014	
	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost
Text book and reference books	1492	737595	704	371731	1011	479224	1212	474774
Journals/Periodicals	50	104139	58	134813	71	150066	92	180218
E-resources	275	674235	444	990856	224 8455 IIT Videos phase I and phase II	754780 66000	205	713570
Other	-	-	04	680	20	7120	58	17374

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- **OPAC**

Yes, library has OPAC system connected through LAN to all the departments.

- **Electronic Resource Management package for e-Journals**

Subscribes to AICTE Mandatory E-Journals like Elsevier- Science Direct, IEEE- ASPP, ASME, ASCE, and NPTEL Video Lectures.

- **Federated searching tools to search articles in multiple databases: Yes.**

- **Library Website:** Library information is available on Institute website.

- **In-house/remote access to e-publications**

Both Faculty and students can access to subscribed E-journals and NPTEL resources in institute campus.

- **Library Automation**

All the data of reading material is computerized and unique bar coding has been introduced for ease of record keeping.

- **Total number of computers for public access**

15 computers are available for public access in digital library.

- **Total number of printers for public access**

Two printer and one photocopy machine is available for student and staff in central library.

- **Internet band width/speed**

Library has provided with Wi-Fi facility as well as Internet facility with band width of 100 Mbps.

- **Institutional Repository:** Yes. Well-maintained repository section is provided in library.

- **Content management system for e-Learning**

E-Journals like IEEE-ASPP, ASME, ASCE, Digital Library and NPTEL Video Courses are available. All the NPTEL video lectures are stored in digital library for access to students and staff.

- **Participation in resource sharing networks/ consortia (like INFLIBNET)**

Yes, we are sharing resources with National Digital Library of India.

4.2.5 Provide details on the following items

- **Average number of walk-ins :** 300 approx
- **Average number of books issued/returned :** 80 approx/ day
- **Ratio of library books to students enrolled :** 10:1
- **Average number of books added during last four years :** 1105 No
- **Average number of login to OPAC :** 10/day
- **Average number of login to e-resources :** 2728 / month
- **Average number of e-resources downloaded/printed :** 761 / month
- **Number of information literacy training organized:** every year programme is arranged for information literacy training for awareness of NPTEL, IEEE and Elsevier-science direct.
- **Details of “weeding out” of books and other material:** No

4.2.6 Give details of the specialized services provided by the library

- **Manuscripts:** Yes, Library has manuscript collection.
- **Reference:** Yes, library has well arranged reference section.
- **Reprography:** Yes, 01 photo copy machine is provided for reprography in library.
- **ILL (Inter Library Loan Service):** Yes, we have Inter Library Loan Service.
- **Information development and notification:** Yes, library notice board is provided for information deployment and important notification.
- **Download:** Yes (E- Journals, E- books etc.)
- **Printing:** Library has 2 printers for printing e-recourses for students and staff.
- **Reading list/ Bibliography compilation :** Yes
- **In-house access to e-resources:** Staff and Students are allowed to use e-resources in institute campus.
- **User orientation and awareness:** Yes, user orientation programs are conducted at the time of every academic year for students of first year and directly admitted to second year.
- **Assistance in searching Databases:** Yes, library staff always assist to users for searching database.
- **Participation in Resource Sharing networks/consortia (like Inflibnet):** Yes, we are sharing resources with National Digital Library of India.

4.2.7 Enumerate on the support provided by the Library staff to the students and Teachers of the college.

- The Library staff always supports student and teachers of the institute for proper functioning of the library.
- Library staff issue books, journals, new arrivals to the students and faculty
- Library staff displays the important media notifications for students and staff on library notice board.
- Library staff assists to users for reprography facility.
- Special digital room with assisting staff is provided to faculty and students to access the e- Journals, and e-resources.
- For all students book bank facility is available.

- For backward category students free social welfare book bank facility is available.
- Library is open beyond institute hours for students during exam period.

4.2.8 What are the special facilities offered by the library to the visually/physically Challenged persons? Give details.

- The library staff is instructed to help visually or physically challenged persons.
- Library staff helps visually/physically challenged persons for the book issue as well as they provide the library facility on need basis as and when required.
- Special rights and assistance are given to them to access the e-journals and other resources.
- Two tables are reserved for physically challenged persons.

4.2.8.1 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

- Feedback from students are collected in printed form at regular intervals within academic year, which is reviewed and mentioned in front of advisory committee meeting and measures are provided for continuous improvement.
- A suggestion box is kept in library for taking helpful suggestions and complaints from students as well as staff. The suggestions from students and teaching staff are considered for taking required actions and the library committee takes corresponding action.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- 1. Number of computers with Configuration (provide actual number with exact configuration of each available system) year to year.**

Table 4.6 Configuration of Computers

P-IV				
Sr. No.	Description	Year	Qty.	Cost
1	P-IV, 2.4 GHZ Intel ,845 GVAD2 Mother Board, 128MB DDR RAM, 40GB IDE , HDD, 1.44 MB FDD, 15" SVGA Color Monitor, 52xCD ROM, Drive P4 Cabinet + SMPS , Key Board I key , Scroll Mouse Samsung, 10/100 LAN Card.	2003-04	15	700000/-
2	Pentium IV 2.8GHZ 845 Intel mother board, 128 MB DDR RAM , 40 GB HDD Samsung, 1.44 FDD Sony, 15" color monitor Samsung, key board sutix multimedia, mouse scroll optical Logitech, 52x CD ROM Acer, 10/100 LAN card	2003-04	04	102000/-
3	P-IV, 2.4 GHZ prescaff Intel ,845 GUSRL Original motherboard, 256 MB DDR RAM Hynix, 1.44 MB FDD Samsung , 17" color monitor Samsung, 80 GB HDD Samsung, Puma 52x CD ROM Samsung, Samsung keyboard, Samsung scroll mouse, ATX Cabinet with SMPS 300W	2004-05	14	362460/-
4	Computers Intel 2.6 Processor 915 GLVGL Motherboard, 256 MB DDR RAM, Simmotronics 80GB Samsung Puma HDD 1.44FDD Sony, 52 x CD ROM Samsung, 17" colour monitor Samsung I ball key board, I ball scroll mouse ATX Cabinet with 400w SMPS	2005-06	04	107744/-
5	Computers Intel 2.6 Processor 915 GLVGL Motherboard, 256 MB DDR RAM, Simmotronics 80GB Samsung Puma HDD 1.44FDD Sony, 52 X CD ROM Samsung, 17" colour monitor Samsung Samsung key board, Samsung scroll mouse ATX Cabinet with 400w SMPS	2005-06	17	430976/-
6	Computers Intel 2.6 Processor 915 GLVGL Motherboard, 256 MB DDR RAM, Simmotronics 80GB Samsung Puma HDD 1.44FDD Sony, 52 X CD ROM Samsung, 17" colour monitor Samsung I ball key board, I ball scroll mouse ATX Cabinet with 400w SMPS	2005-06	02	53872/-

7	Computers Intel 2.6 Processor D101 GLVGL Motherboard, 256 MB DDR RAM, 80GB HDD Samsung 1.44 MB FDD Sony, 52 X CD ROM Samsung, 17" color monitor Samsung Logitech key board, I ball Cabinet with 400w SMPS.	2006-07	14	377104/-
8	Computer P-4 Intel 2.8 GHZ Processor 41/31/RQ Mother board 250 GB HDD 2 GB DDR –II RAM 19" TFT Samsung	2009-10	11	331760/-
9	Computer P-4 Intel 2.93 GHZ Processor 41/31/RQ Mother board 250 GB HDD 2 GB DDR –II RAM 19" TFT Samsung	2009-10	75	2175000/-
Total			155	

Core 2 Duo				
Sr. No.	Description	Year	Qty.	Cost
1	Computer P-4 Intel 2.8 GHZ Core 2 duo Processor 41/31/RQ Mother board 160 GB HDD 2 GB DDR –II RAM 19" TFT Samsung	2009-10	02	63232/-
2	Intel core 2 Dual Processor , Intel 945 GCNL Mother Board, 160 GB HDD 1 GB DDR – IT Dynet 52-x CD-ROM Samsung, 1.44 MB FDD, Sony Logitech Combo Multimedia key Board with optical mouse Atx cabinaet with 400 W SMPS 17" TFT Samsung	2007-08	20	686400/-
3	Intel Core 2 Dual Processor , Intel 2.5GHz processor Intel DG 3.1PR Mother Board, 160 GB HDD Sata Segate 1 GB DDR II Dynet DVD Writer Samsung key Board with optical mouse Atx cabinet with 400 W SMPS 17" TFT Samsung	2008-09	60	1790880/-
Total			82	
Dual core				
Sr. No.	Description	Year	Qty.	Cost
1	Intel 3.4 Dual core Processor , Intel 946Gz Hs Mother Board, 1GB DDR, RAM 160 GB HDD Samsung 52-xCD-ROM Samsung, 1.44 MB FDD, Sony TVSE gold keyboard with Logitech optical mouse	2006-07	20	720000/-
Total			20	

Core i3				
Sr. No.	Description	Year	Qty.	Cost
1	Intel core i3 processor, 61 W Motherboard 500GB HDD, 2GB DDR III RAM 19" TFT	2011-12	15	427500/-
2	Computer Intel core i3 processor Intel original other board, RAM DDR3 4GB, DVD/RW ATX cabinet with SMPS, Samsung 18.5 wide LCD Monitor Logitech keyboard	2011-12	50	1800015/-
3	Lenovo branded PC	2012-13	50	1785000/-
4	Lenovo branded PC	2013-14	97	3055500/-
5	Lenovo branded PC	2013-14	25	812490/-
6	Lenovo branded PC	2013-14	50	1725000/-
7	Lenovo branded PC	2013-14	03	94500/-
8	Lenovo branded PC	2014-15	50	2050000/-
	Total		337	

Table 4.7 List of Server and Laptop

List of Server and Laptop			
Sr.	Description	Year	Qty.
1	IBM x 206 Server with 17" IBM Colour Monitor	2004-05	03
2	Laptop	2006-07	02
3	IBM SERVER Computer System x 3400 Server	2008-09	02
4	IBM server	2012-13	01
5	Projector	2012-13	16
6	Laptop (Lenovo, Dell)	2013-14	02
7	Projector	2014-15	01
	Total		10

Table 4.8 Total quantity of computer (hardware) list in college

Sr.No.	Description	Qty.	Price
1	P-IV	155	6096500/-
2	Core 2 Duo	82	2540512/-
3	Dual Core	20	748800/-
4	Core i3	337	11655505/-
5	Server, Laptop	10	769990/-
6	Projector	17	766725/-
	Total	604	21811307/-

Table 4.9 List of computers as per department

Sr. No.	Name of the Dept	Item	Qty.
1	CSE	Computer	161
2	IT	Computer	55
3	E & TC	Computer	72
4	ETX	Computer	52

5	MECH	Computer	79
6	LIBRARY	Computer	14
7	OFFICE and EXAM	Computer	21
8	GENRAL ENGG.	Computer	25
9	TPO and COMPUTER CENTER	Computer	01
		Computer	41
		Laptop	04
10	ME E & TC	Computer	15
11	CIVIL	Computer	22
12	ME CSE	Computer	20
13	ME CAD/CAM/CAE	Computer	20
Total			604

2. Computer-student ratio

UG - 1: 3.4 PG - 1: 1

3. Stand alone facility

23 systems are provided with stand alone facility.

4. LAN facility

All computing labs are provided with LAN facility.

5. Wi-Fi facility

Wi-Fi facility is provided for entire campus.

6. Licensed Software

Table 4.10 Description of Licensed Software

Department	Licensed Software
Civil Engineering	Turbo C, Autocad-2013, STAAD Pro.
Mechanical Engineering	Auto-cad (2006), CATIA (V5R19), ANSYS (12.1), MATLAB (7.14)
Electronics Engineering	MATLAB , XILINX, SCARM C COMPLIER, ORCAD, MULTISIM
Electronics and Tele-communication Engineering	MULTISIM, MATLAB (7.14), XILINX14.4
Computer Science and Engineering	MICROSOFT WINDOWS 98, BORLAND TURBO C++, LOTUS SMART SUITE, MS DOS6.22, NOVELL NETWARE 5.1, NORTON UTILITIES 2000, VISUAL STUDIO 6.0, WINDOW 2K (WORK STATION), WINDOW 2K SERVER, DREAM WEAVER 4.0 A.E., MS OFFICE XP, TURBO ASSEMBLER 2.0, SCO UNIX 5.0.5 WITH MEDIA, MSSQL 2000, MACROMEDIA FLASH MX-AE, RED HAT LINUX V4, SGS 2.1-SWIFT INFOCOM GATE S/W, ORACLE 9i, TECHNO INFOTECH FIREWALL/ PROXY FIREWALL PORT, MICROSOFT VISUAL STUDIO 2008 PROFESSIONAL, MICROSOFT WINDOWS 7, WINDOWS XP PROFESSIONAL KIT, MICROSOFT WINDOWS SERVER 2008, MICROSOFT WINDOWS SERVER 2003

Information Technology	ORACLE 9i, IBM RATIONAL, LINUX 7.1, REDHAT, WINDOW 2K WORK STATION, WINDOW 2K SERVER
General Engineering	LANGUAGE LAB SOFTWARES- ASCENT 5.1 LV STUDENT SOFTWARE

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- Internet service is available for both faculty and students in the campus.
- 20 Computer systems are provided with internet facility in the central computing centre.
- All the departmental computer centers are provided with internet facility
- 15 Computer systems are provided with internet facility in the central library.
- The Institute provides internet facility to staff members at the respective department in order to access the required study material from available e-resources and present them as part of their teaching process.
- The Principal's Office, Administrative Office, Examination Section, Training and Placement Cell and Senior Faculty member cabins are provided with internet facility.
- Un-interrupted electricity supply is made available in the campus, so that the students and staff can access the internet without any interruption.

Specifications

Table 4.11 Details of internet provider

Sr. No.	Internet Provider	Bandwidth
1	Bharat Sanchar Nigam Ltd. (BSNL)	100 Mbps
2	Reliance	6 Mbps
3	Reliance JIO (Wi-Fi)	6 Mbps

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- All Computer systems are upgraded with latest configuration.
- Individual upgradation of the computers is taken up as per the need and requirements of the various departments.
- Enough provision is made available in the annual budgets for the procurement of the computer systems.

- Once new systems are procured, they replace with the existing systems as per the requirements of the departments.
- All the computer systems in the campus are regularly monitored by the system administrator and maintenance staff.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years.)

Table 4.12 Total expenses of computer hardware software and maintenances for last four years

Sr. No	Item	2016-17		2015-16		2014-15		2013-14	
		Budget allocation	Amount spent	Budget allocation	Amount spent	Budget allocation	Amount spent	Budget allocation	Amount spent
1	Consumable	1030500	896113	2547000	2214799	922000	802059	3600000	3132522
2	Dead Stock	28000	24429	1240000	1080190	5834000	5073650	7100000	6177217
3	AMC and Maintenance	1800000	1792143	2000000	1742788	1900000	1659083	1525000	1326321
Total		2858500	2712685	5787000	5037777	8656000	7534792	12225000	10636060

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- Classrooms are equipped with the LCD projector which makes the learning very interesting and easy to understand the topic.
- Each department is having a separate seminar hall for the seminar and final project presentation.
- Institute library is having a separate digital library which facilitates the national as well as international journals like IEEE – ASPP (IT, CSE, ETX, E & TC.) ASME, ASCE, NPTEL, NIC – National Informatics Center for students and Faculty.
- NPTEL video lectures database on various engineering disciplines and Audio/video CD and DVD's are available.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the

institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- The institution has always been keeping the students at the center of the teaching learning process. Vision and the mission of the institution have always been to provide holistic knowledge to its students.
- The institute understands that, the teachers have to be motivated from time to time to improve the teaching learning process. Use of technology has become very important in giving quality based education.
- The institution encourages the staff to undergo training on the computer-aided teaching and training. Well-equipped computer Labs and LCD are available to the faculty for computer aided teaching. The computer faculty is always available for any need based assistance in the use of ICT.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

- Yes, NPTEL video lectures on various engineering subjects helps to understand the subject. The 1.56 TB data serve the purpose.
- E-Yantra laboratory is established in institute with support of IIT Bombay which helps students in projects related to robotics. IIT Bombay provides online supports regarding robotic projects.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

- Based on the requirement from head of the departments and the concerned in charges, budget is allocated for maintenance and upkeep of the facilities like building, furniture, equipment, computers, vehicles.

Table 4.13 Budget allocated and amount spent for maintenance of facilities during the last four years (amount is in lakhs)

Items	2016-17		2015-16		2014-15		2013-14	
	Budget allocated	Expenses	Budget allocated	Expenses	Budget allocated	Expenses	Budget allocated	Expenses
Building	3.00	2.72	3.00	2.53	8.00	7.02	7.00	6.70
Furniture	3.00	2.59	6.00	5.09	0.30	0.24	2.00	1.46
Equipment	1.25	1.07	2.00	1.62	5.00	4.43	2.25	2.06
Computers	40.00	36.06	30.00	29.64	35.00	32.53	55.00	51.87
Vehicles	NA	NA	NA	NA	NA	NA	NA	NA
Any other								
i. Electrical	0.60	0.54	2.00	1.41	2.00	1.58	16.00	15.25
ii. Housekeeping and gardening	12.00	11.67	11.00	10.63	10.00	8.07	7.00	6.61

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- All the matters concerning the maintenance of buildings and infrastructural facilities, the HOD's or the concerned in-charge will make a requisition to the Principal which will be forwarded to the Administrative Officer.
- The Administrative Officer, on receiving the requisition shall take permission from Regional Director.
- After this, Administrative Officer will discuss this with the Principal and Regional Director, take their approvals and attend to the work at the earliest possible time.
- Regarding furniture, a requisition shall be made to the Principal by the HODs/Incharge, it will be forwarded to Administrative Officer (A.O).
- A.O. will discuss this with Principal and Regional Director and take necessary action.
- There is a separate Faculty in charge of the responsibility of overall electric works. Electrician is also appointed for campus.
- One site engineer is appointed for total maintenance work of institution and two plumbers are working under him.
- One gardener and team of workers are appointed to maintain greenery in campus.

Building Hygiene

- External agency is appointed for cleaning and swabbing of all buildings to maintain building hygiene.
- Sweepers and a supervisor are allotted for a particular area. Every day the sweeper has to sign in the register to confirm that he/she has done the duty. The supervisor should attest the same.
- The institute has a gardener along with his team for maintenance of garden area with required equipments.
- Infrastructure is supervised twice in a week at central level. Equipment maintenance is taken care by individual department.
- Two plumbers are recruited for daily maintenance of plumbing work.
- Repairs and maintenance of civil works are done by external agencies whenever required after receiving intimations from individual departments.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

- The department takes the initiative to calibrate the precision instruments for their optimum and assured performance, once in year.
- Faculty members take master readings once in a semester to ensure proper working of the equipment.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- A separate faculty Incharge and electrician are given responsibility of overall electrical works.
- The Departments take steps to protect sensitive instruments from mechanical and electrical damages, so that they render optimum and assured performances.
- The lab Incharge along with the lab assistants keep surveillance over the smooth working of the sensitive equipment in their respective labs and get them repaired within or beyond budget allocations.
- All these instruments are protected from voltage fluctuations and power outages through the use of off-line and dedicated on-line UPS.

- The sanctioned load by MSEB 129KVA. In addition the institute has erected an exclusive 11 KV Electrical distribution sub-station with 315 KVA Transformer in the premises.
- The institute also has 62.5 KVA Diesel Generator set for campus area.
- Total UPS Power backup of 334.4 KVA is available for all the building.
- For drinking, institute provides purified drinking water to all Academic Blocks, Hostels and Canteen. Two plumbers are provided to maintain continuous and uninterrupted constant water supply. 10 nos. Aqua guard machines are provided to all drinking water coolers in the premises while 3 nos. for hostel.
- A sewage treatment plant (decentralized waste water treatment plant) having capacity 50000 liters per day is installed in the premises. This treated water is used for gardening purpose.

Any other information regarding Infrastructure

- The institute is equipped with 24 nos. ABC (Store pressure) dry powder type fire extinguishers, 06 nos. CO2 type and 10 nos. Dry chemical powder type fire extinguishers for emergency.
- The design and planning of building is energy efficient and to have optimum use of natural resources like wind and sun.
- Telecom facilities are also available with the institute for facilitating communication inside and outside of campus.

CRITERION V: STUDENT SUPPORT AND PROGRESSION**5.1 Student Mentoring and Support****5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?**

Yes, the institute publishes its updated brochure annually. The activities / information are published on brochure as well as Institutional website

- The Institution publishes **Institute Brochure** both in printed and electronic forms. The electronic versions are displayed on the website <http://coekolhapur.bharativedyapeeth.edu>
- The Brochure published every year which gives detailed information about the institutional resources and details about courses and faculties along with eligibility criteria. The institution ensures its commitment by constituting various programs as per the annual time table, setting aside time slots for evaluation and internal assessment. It makes its accountability clear on the day the fresh batch is started.
- **Institutional Website** is <http://coekolhapur.bharativedyapeeth.edu> which contains all the information about the institute, its activities and other details needed by the students, as the website is updated regularly.
- The institution has created anti-ragging committee to make this campus as a ragging free campus, grievance redressal cell constituting of members majorly from each and every department in the committee.
- Mentorship is the specialty of this institution. For each batch the institute designates a teacher to take care of problems relating to academics and otherwise at a personal level.
- Institute maintains cordial relationship between teacher and student.
- The Institute conducts regular lectures, practicals, committee meetings, special counseling cell helps in guiding students and separate internet labs for student's reference.
- Principal interact and motivate the students through meetings.

5.1.2 Specify the type, number and amount of institutional scholarships / Freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

- The students are getting financial aids as the scholarships / Free-ships.
- Bharati Vidyapeeth is giving concession to the students in college fees.

The details of scholarship/ Free-ship are given as follows:

Table 5.1: Details of scholarship/ Freeship

Sources Of Scholarship	CFY 2016-17		CFYm1 2015-16		CFYm2 2015-14		CFYm3 2013-14	
	No. of Students	Amount (In lakhs)	No. of Students	Amount (In lakhs)	No. of Students	Amount (In lakhs)	No. of Students	Amount (In lakhs)
SC/ST/NT/SBC Scholarship	276	192	250	196	248	182	254	172
SC/ST/NT/SBC Freeship	82	68	96	76	117	88	128	86
OBC Scholarship	181	71	180	68	214	78	230	75
OBC Freeship	58	23	61	23	73	26	88	28
STC/PTC Scholarship	16	0.64	19	0.70	45	1.8	61	2
EBC Scholarship	622	239	673	247	662	229	712	228

5.1.3 What percentages of students receive financial assistance from state government, central government and other national agencies?

More than 65% of the enrolled students avail financial assistance from State Government, Central Government and other National agencies.

Table 5.2: Details of Financial Assistance

Year	CATEGORIES					% of students received financial assistance
	SC	ST	OBC	GENERAL	OTHER	
2016-17	160	0	397	622	32	78.38
2015-16	167	0	420	673	32	70.30
2014-15	181	1	472	662	45	66.45
2013-14	169	1	527	712	61	68.82

5.1.4 What are the specific support services/facilities available for?

The institution for this purpose provides the following support facilities to its students:

- **Students from SC/ST, OBC and economically weaker sections**

The institute provides necessary support to all the SC/ST and OBC students. The scholarship is distributed to students after receiving from Samaj Kalyan office. Institute also allows the students to pay the fees in installments for those who are unable to pay the whole fee at the same time. For backward category students, free social welfare book bank facility is available.

- **Students with physical disabilities**

The visually challenged students are given extra half hour during final exams conducted by Shivaji University. The physically handicapped students are provided with scribes to write their examinations also ramp is provided for physically disabled students further lifts can be used to reach to the various floors in the building. 100% tuition fee is refunded to physically disabled students.

- **Overseas students**

There are no overseas students admitted in the Institute.

- **Participate in various competitions**

Students are encouraged to participate in various competitions, curricular, co-curricular and extra-curricular activities like paper presentation, workshops, seminars, sports and cultural activities at different levels organized by the Institutes and other Institutes.

Institute supports and helps students at each level by providing all necessary guidance and facilities like Central Library. Institute subscribes various e-resource packages like IEEE access, Science Direct.

- **Medical assistance to students: health center, health insurance etc.**

All students are covered under insurance. Gymkhana is equipped with various fitness equipments. Institute is tied up with Physician who frequently visits institute to monitor student's health. A part time doctor visits institute for student's health care.

Every year institute arranges camps for blood donation, health checkups, eye checkup and yoga through external agencies in the campus.

- **Organizing coaching classes for competitive exams**

Various seminars and workshops are organized for competitive exams like GRE/TOEFL, GATE and MPSC/UPSC to prepare students for the competitive examinations.

- **Skill development (Spoken English, Personality Development)**

The institute has language lab which consists of 25 computers with internet facility. The institute organizes soft skill development workshop for student's personality development and to help them prepare for placements.

- **Support for "slow learners"**

- Academic counseling is done by the allotted faculties for slow learners.
- Provisions are made in time table for Conducting additional /Remedial lectures for slow learners and poor performers.
- Question bank and set of question papers of previous University examinations are provided.
- Model answers and solutions are displayed.
- **Exposures of students to other institution of higher learning/corporate/business house etc.**
- A number of guest lectures and workshops are organized for the students. Experts from respective fields are invited on this occasion.
- Students are encouraged to participate in various technical programs, Industrial Training, Industrial Visits, and Exhibition visits etc.
- Students are encouraged to take over many projects which give them exposure to corporate or business house.
- The internet facility is available for student to download the material, research papers, and study material. The faculties of the institute provide the guidance to the students.
- **Publication of student magazines**
- The institution encourages students to publish their creative output in the Institute magazine published annually.
- The ideas of students are exposed in Institute magazine "VISHWA BHARATI" published every year.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- Institute has established Entrepreneurship Development Cell.
- Every year Institute conducts the workshop for students in collaboration with Maharashtra Centre for Entrepreneurship Development (MCED). MCED is nodal agency of Government of Maharashtra for imparting entrepreneurship development training. For this workshop of three days, well known personalities from industry are invited as resource person.
- Institute arranges Industrial visits to give exposure to the students for recent technology and development.
- Institute invites eminent experts from Industry as well as academicians to deliver expert lectures.

Following are the impacts

- The students get aware about the charms of being entrepreneurs.
- The students get motivated to be a job creator.
- The students can make creative use of their talent and skill.
- The students get ideas to successfully manage their own enterprises/start-up.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc. Additional academic support, flexibility in examinations. Special dietary requirements, sports uniform and materials. Any other.

Institute has the following policies/strategies:

- Awareness lectures are arranged on importance and role of Extra Curricular activities in Career building and scope for it at first and second year.
- Identification of talent among students from mentoring mechanism.
- Encouragement to the students to participate in events organized at Zonal level, State level as well as in Lead College Activities.
- Various bodies are functioning to promote the participation of students such as NSS, cultural, EDC and sports etc. which help the students to improve their skills and work for the community.

- **Additional academic support, flexibility in examinations**

Institute recommended to the University to grant 10 marks for notable participation for two years in NSS activities in final year examination which was granted.

The following provisions are made:

- Participating students are treated as on deputation on institute work.
- Flexibility in conduction of internal tests and extra lecture for participant students.
- Academic guidance and extra practical facility is extended to the students for participating in extra and co- curricular activities.
- **Special dietary requirements, sports uniform and materials**
Institute provides Sports Kit and Sports Material to students who participate in International, State, National, Lead College, Zonal, Inter-zonal, and Inter University Tournament, for various types of sports. Institute gives Track Suits for University Players (selected as Member of Shivaji University Team) and also Medal winners.
- **Any Others**
- Every department has its student association under which various activities like workshops, seminars and competitions are organized.
- Students are members of ISTE.

5.1.7. Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT /GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

Institute organizes orientation lectures every year. Students who are interested and willing to appear in various competitive examinations are helped by the faculties by the way of study material and counseling for preparation. Students are allowed to have access to library and to refer books related to entrance tests. In the recent years many students have appeared and qualified in various competitive exams.

Table 5.3: Details of students qualifying for competitive exams

Sr. No.	Year	Name of Examination	Students Appeared	Students Qualified
1.	2016-2017	CAT GATE/GRE/TOEFL	264	11
2.	2015-2016	GMAT Central/State	188	04
3.	2014-2015	Services NDA/Merchant	33	01
4.	2013-2014	Navy	97	06

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

Institute implements mentoring scheme. In which faculty is allotted for each batch as a mentor. Monthly meetings are arranged by the mentor with the students to discuss academic performance and progress. Mentors render guidance in studies, career planning and also address personal issues.

- **Academic and career oriented counseling**

At the time of the admission process, students are guided by the faculty in choosing appropriate branch. They are informed about the scope and nature of the various subjects. They are counseled adequately to shape their career. Personalized counseling and parental care is made possible by Mentor Mentee Schemes practiced in the Institute.

- **Personal and Psycho-Social Counseling**

The students during the course of their studies in the Institute come across various issues. Sometimes they are unable to take the right decisions to overcome psychological issues and to handle different problems. Personal counseling is provided by the Institute which helps them to overcome such situations.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes. The institution has a very well organized Training and Placement cell to support the students for their career development. Many reputed companies, core sector companies such as Persistent, Intellivision, Click IT E-World and CMS IT Services etc. have visited our institution, and our students are working with them currently. Various training initiative have been taken by

the training and placement cell to develop the skills required to get employment in a reputed organization.

- **Facility**

Batch wise all the students are provided with intense and multidimensional career guidance throughout the course duration. This process is conducted in different layers taking the emotional, intellectual maturity of the students considering the ethnic, financial background in consideration. This process extends into the mentoring system which is meticulously and scientifically designed and customized to the individual levels for all the streams.

- **Information of job Opportunities**

The students are made aware regarding the vacancies offered by government and other agencies. The notice of the advertisements is displayed on the notice board of training and placement cell as well as at every department. Updated information is also made available on Institute website. The students are informed regarding all necessary information and important dates for such vacancies through various ways.

- **Management**

Group of reputed international academicians, professionals, organizations and consultants or experts in higher education are conducting seminars and counseling sessions.

- **Impact**

The focus is to counsel the students for all academic and campus issues, personal problem redressal and guidance. Special emphasize is given to induce students to undertake higher education in forms of master degree, doctoral degrees in India and abroad.

- **Training and placement Cell**

Training and Placement Cell working round the year to give efficient, effective training to increase employability of students and campus placement opportunities for all students through On Campus/Off Campus and Pool Campus Placement Drives. Companies HR are contacted for conducting campus placement drives through Email/Telephone and through Industry visit. Student's placement is done through oncampus/off

campus/pool campus drives throughout year. The training and placement cell have online student data collection system and the database is secured and maintained regularly. Students are continuously informed through E-mail regarding campus drive updates. Regular soft skill and aptitude training programs are conducted through professional soft skill training institutes. Employability analysis test like AMCAT/COCUBE and technical tests are conducted through online server based Information Systems.

Table 5.4: Training Program Details

Sr. No.	Name of Seminar/ Workshop/ Particulars	Date	Target Audience	Resource Person /Institute	Remark/Skill Developed
1	TE Lead College Training	17/02/2016 to 23/02/2016	TE All	Face, Pune	Aptitude Training
2	FE Lead College Training	16/02/2016	FE All	Campus 4 U, Kolhapur	Soft skill Training
3	CRTP Training Program	27/07/15 to 01/08/15	B.E All	SEED Infotech, Pune	Placement Training
4	Aptitude Training Program	20/ 07 2015 to 25/ 07 2015	T.E All	Seed Infotech, Pune	Aptitude Training
5	Personal Stress Management	06/07/2015	Teaching Staff	Prof. Anima Dahibhate of Art of Living	Stress Management
6	Stress Management for Student	02/02/2015	BE all branches	Dr. Sachin Parab	Stress Management
7	MPSC –UPSC seminar	22/01/2015	SE-BE all branches	AB Competitive Exams Academy	Competitive exams preparation
8	Aptitude Training Program	12/ 01/ 2015 to 17/ 01/ 2015	T.E All	Seed Infotech,Pune	Aptitude Training
9	Soft Skill Training Program	05/01 /20 15 to 10 /01 /20 15	S.E All	Seed Infotech,Pune	Soft Skills Training
10	TRAI consumer outreach program	30/ 08/2014	BE(ETC)	Telecom Regulatory Authority Of India	Telecom Rules and Regulation knowledge

11	Social Awareness and responsibility	15/07/2014 to 05/09/2014 (Weekly 1Hr.)	SE to BE (ETC)	Dhroov Club	Good Human Being
12	Campus Recruitment Training Program	04/08/2014 to 09/08/2014	B.E All	Seed Infotech, Pune	Campus Preparation
13	Campus Enhancement Program	20/01/2014 to 01/01/2014	S.E All	Universal Educational Bangalore	Campus Preparation
14	Campus Enhancement Program	06/01/2014 To 18/01/2014	T.E All	Universal Educational Bangalore	Campus Preparation
15	Campus Enhancement Program	19/08/2013 to 24/08/2013	B.E All	Universal Educational Bangalore	Campus Preparation
16	Campus Enhancement Program	22/07/2013 to 27/07/2013	B.E All	Universal Educational Bangalore	Campus Preparation

Table 5.5: No. of Students Placed

Year /Branch	ETC	C.S.E	I.T	Mech.	ETX	CIVIL	Total Placed Students through Campus
2016-17	34	50	01	07	16	01	109
2015-16	34	35	02	13	19	00	103
2014-15	45	14	02	06	12	00	79
2013-14	01	06	04	00	02	NA	13

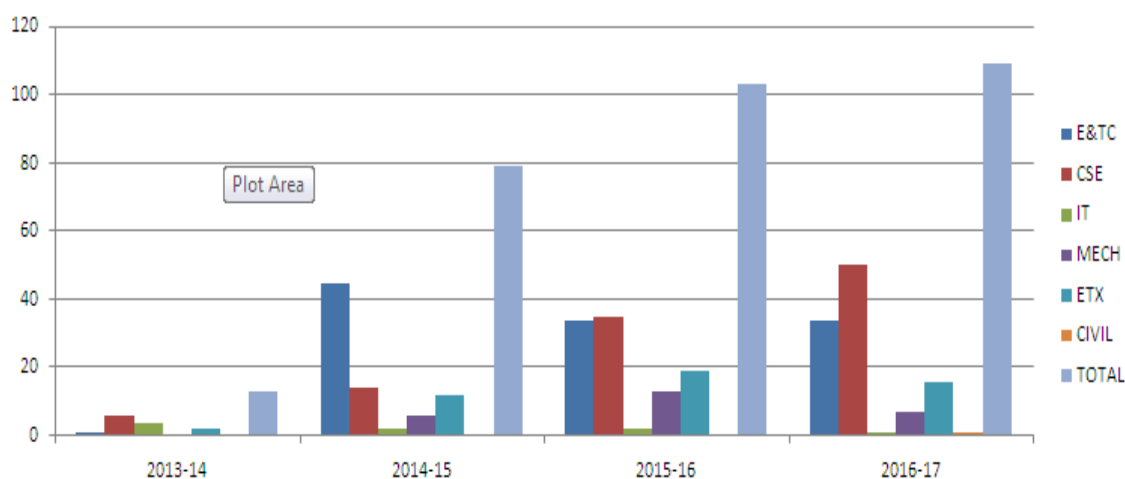


Figure 5.1: Year wise campus placements-All branches

Table 5.6: List of the Employers visited to BVCOEK

Sr. No	Name of Company	Batch	Date of Campus Drive
1	CMS It Services Kalyan	2017	17/01/2017
2	Fox n cloud Pvt. Limited, Kolhapur	2017	10/01/2017
3	Amazon, Pune	2017	16/01/2017
4	Click it E world Pvt. Ltd.	2017	28/11/2016
5	Tata Motors, Kolhapur	2016	01/07/2016
6	A S Moloobhoy, Mumbai	2016	29/03/2016
7	Seed Infotech, Kolhapur	2017	14/03/2016
8	CMS Software, Thane	2016	10/03/2016
9	Mithi Software, Pune	2016	12/01/2016
10	Intellivision, USA	2016	22/08/2015
11	People book, Kolhapur	2015	29/07/2015
12	Qed Baton, Pune	2015	12/03/2015
13	Nainko Exim, Pune	2015	14/02/2015
14	TCS Off Campus Drive	2015	20/02/2015
15	Infosys Referral Drive	2014	27/01/2015
16	Pool Campus Drive at Bharati Vidyapeeth, Pune	2015	31/01/2015
17	Amezetic Softwares, Pune	2015	24/01/2015
18	Palash Health Care Software Pune	2015	06/01/2015
19	MPTA Group, Pune	2015	08/10/2014
20	Syntel Inc, Mumbai	2014	03/05/2014
21	Persistent Pvt. Ltd. Pune	2015	20/03/2014
22	Winsphire InfoTech Pvt. Ltd.	2014	18/03/2014
23	Persistent Pvt. Ltd. Pune	2014	08/10/2013 09/10/2013

5.1.10 Does the institution have a student grievance redresses cell? If yes, list (if any) the grievances reported and redressed during the last four years.

With reference to AICTE letter No. 1-101/DPG/ AICTE/ ombudsman/2012 Dt 9th July 2012, Institute has constituted “Grievance Redressal Committee” Committee addresses various complaints of students like admission process, admission documents, refund of fees on withdrawal of admissions etc.

Suggestion Box: Suggestion boxes are placed within institute at various places so that stake holders can put their comments, suggestions, and requests.

Suggestions, complaints, feedback provides greater opportunity to serve stake hold in better manner.

Table 5.7: Grievances reported and redressed

Sr. No.	Grievances Reported	Grievances Redressed
1	Providing sports kit for football, Volleyball players.	Sports kit are provided the players who are representing institute in various games and tournaments, 16 football kits and 12 volleyball kits are provided.
2	Cleaning of toilets from ground floor.	In institute all passages and toilets are cleaned by appointing sweepers.
3	Regarding football ground	Football ground made available to student by spending approximately Rs 70,000/-
4	Availability of night study room in April-May 2015 exam	In examination days library and study room kept open up to 24:00 hr for student staying nearby institute premises and hostels
5	Regarding camp	In connection to the said issue already NSS coordinator Mr. R. B. Lokapure organized 7 day NSS camp at Mouje Sangaon, Tal. Kagal, Dist Kolhapur from 27 th Feb 2017 to 5 th March 2017

5.1.11 what are the institutional provisions for resolving issues pertaining to sexual harassment?

Internal Complaints Committee is formed on 13th March 2014 previously known as "Sexual Harassment Prevention Committee".

Table 5.8: Internal Complaints Committee

Sr. No.	Name of Member	Post
1	Ms. J. K. Patil	Teaching Member
2	Mr. D. V. Sawant	Teaching Member
3	Mr. P. B. Patole	Teaching Member
4	Dr. Ms. R. D. Patil	Nonteaching Member
5	Dr. Ms. Sadhana Zadbuke	NGO Member

Meetings of committee members held thrice yearly for handling any cases regarding sexual harassment of girls and ladies staff at workplace. Also committee arranges number of seminars by Women Lawyers, Doctors, Industrialists, Social Workers and Police officers for girl students and Ladies staff regarding empowering and safety.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes, Institute is having an active Anti Ragging Committee constituted under the chairmanship of the Head of Mechanical Engineering. It is evident that senior faculty members, local media reporter, NGO worker, students, Psychiatrist etc. are a part of committee.

- The rules lay down by University and Government is strictly followed by the institute.
- Notices and posters against ragging are displayed at various locations in the campus.
- Institute also takes an undertaking from all the students on Rs. 100/- Stamp paper on anti-ragging.
- Since inception, not a single incidence of ragging has taken place at institute premises and hostel premises. Credit for this goes to the favorable environment created by our teachers and students.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

Various students' welfare schemes are provided by the institution. The following welfare schemes are made available for the students.

- **Concessions in Fees:** Some of the students are getting concessions in fees by Bharati Vidyapeeth.
- **Scholarships and Freeships:**

The institute helps/facilitates students to get government scholarships. Details about the scholarships, various free-ships are displayed on the notice board of the institution. The class teacher guides the students to be the beneficiaries of the various welfare schemes. Similarly scholarships received from various central, state government and other agencies are made available to the students. Institute has student welfare fund through which needy students and in case of medical emergency, economically weaker students are supported.
- **Bank Services:** As per guidelines given by DTE scholarship students are asked to open accounts in nationalized bank.

- **Counseling and Placement Service:** The placement cell extends its service to the students in career guidance, organizes training program for TE and BE students concerning career planning, preparation for interviews, developing confidence among students and invites companies for campus recruitment.
- **Canteen facility:** Canteen is available within the campus.
- **Health Services:** The health centre in the institution takes care of the basic health problems of the students. Accommodation at hostel is provided to the boys on the campus. Institute has MOUs with the various local hostels for the girl's accommodation.
- **Book Bank:** For all students book bank facility is available and for backward category students free social welfare book bank facility is available.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

Yes. The institution has a registered Alumni Association. The details are as under

Date of Registration: 23/11/2013

Registration Number: F26750/Kolhapur

- Institutional, academic and infrastructural development.
- Alumni association shoulders the responsibility of organizing alumni meet.
- Arrangement of alumni guest lecture to know the upcoming technology in the industries
- An alumnus is one of the members of departmental advisory board who provides inputs for academic development.
- Alumni who are working in industry or who are entrepreneur supports for students ongoing projects and industrial visits.
- Bharati Vidyapeeth has invited its alumni for golden jubilee year celebration which was held at Bharati Vidyapeeth University, Dhanakawadi campus Pune.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for last four batches) the trends observed.

Table 5.9: Student Progression

Student Progression	2016-17	2015-16	2014-15	2013-14
Total no. of Students	530	535	631	514
UG to PG	04	16	15	18
PG to Ph.D.	0	0	0	0
In campus	109	103	79	13
Off campus	11	15	20	15

Table 5.10: Student Progression

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	0.75%	2.99%	2.37%	3.50%
Employed	22.64%	22.05%	15.68%	5.44%

The trend of students opting for employment and higher studies has been quite steady, with an average of 9 -19% student options for employment and 1-4 % student option for higher studies.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the stipulated by the university)? Furnish comparison with that of the previous performance of the same institution and that of the within the city/district.

Table 5.11: UG – Degree (B.E.)

Sr. No.	Branch	No. of students appeared	No. of students passed	Percentage of passing
Year 2015-2016				
1	Mechanical	128	128	100
2	Civil	52	52	100
3	CSE	68	56	82.35
4	IT	27	24	88.88
5	ETC	130	118	90.76
6	ETX	54	48	90.74

Year 2015-2014

1	Mechanical	140	136	97.14
2	Civil	24	19	79.16
3	CSE	80	78	97.50
4	IT	52	50	96.15
5	ETC	161	156	96.89
6	ETX	68	62	91.17

Year 2014-2013

1	Mechanical	113	109	96.46
2	Civil	-	-	-
3	CSE	68	64	94.12
4	IT	61	59	97
5	ETC	105	101	96.19
6	ETX	58	57	98.28

Year 2012-2013

1	Mechanical	66	63	96
2	Civil	-	-	-
3	CSE	64	62	96.87
4	IT	64	64	100
5	ETC	75	73	97.33
6	ETX	67	57	85.08

Table 5.12: PG – Degree (M.E.)

Year	No. of students appeared	No. of Students passed	Percentage %
CAD /CAM /CAE			
2016-17	03	-	-
2015-16	13	-	-
2014-15	17	04	23.52%
CSE			
2016-17	03	--	--
2015-16	14	03	21.43%
2014-15	18	06	33.33%
ETC			
2016-17	02	-	-
2015-16	10	-	-
2014-15	12	03	30%

Following tables represents the comparative result analysis of Bharati Vidyapeeth College of Engineering, Kolhapur, D. Y. Patil College of Engineering, Kolhapur and KIT college of Engineering, Kolhapur.

Table 5.13: Result analysis Mechanical Department

Year	Percentage of Passing (%)		
	KIT	DYP	BVC
2015-16	93.63	94.23	100
2014-15	93.06	98.68	97.14
2013-14	96.34	86	95.61
2012-13	100	95.77	96

Table 5.14: Result analysis Civil Department

Year	Percentage of Passing (%)		
	KIT	DYP	BVC
2015-16	86.25	100	100
2014-15	87.83	97	79.16
2013-14	87.30	89	NA
2012-13	82.43	90.27	NA

Table 5.15: Result analysis CSE Department

Year	Percentage of Passing (%)		
	KIT	DYP	BVC
2015-16	91.89	88.81	82.35
2014-15	93.33	86	97.50
2013-14	96.88	92	94.12
2012-13	86.84	81.94	92.18

Table 5.16: Result analysis IT Department

Year	Percentage of Passing (%)		
	KIT	DYP	BVC
2015-16	97.01	95.58	88.88
2014-15	98.61	97.33	96.15
2013-14	98.44	96	97
2012-13	95.95	91.06	100

Table 5.17: Result analysis ETC Department

Year	Percentage of Passing (%)		
	KIT	DYP	BVC
2015-16	91.89	NA	90.76
2014-15	95.83	NA	96.89
2013-14	95	NA	96.19
2012-13	95	NA	97.33

Table 5.18: Result analysis ETX Department

Year	Percentage of Passing (%)		
	KIT	DYP	BVC
2015-16	93.25	92.85	90.74
2014-15	88.89	78.04	91.17
2013-14	98.50	84	98.28
2012-13	96.77	84.74	85.08

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The Institute facilitates student progression to higher level of education and employment through conducting various programs in engineering and non engineering fields so that students will get employable as well as ready for

higher education. From time to time, the institution arranges various expert guest lecturers for career opportunities after engineering, competitive exams preparation and foreign education. Eminent personalities from diverse fields of education are invited to interact with the students. This initiative taken by the Institute has facilitated the students in getting better job opportunities. Personality development programs are conducted through soft skill training institutes through expert trainers. Training and Placement cell in support with departments arranges awareness activities for T.E. and B.E. students and coaching-training programs for interested students on preparation for GATE. The alumni who are placed shares their views for campus preparation efforts with junior classes and offer career guidance. Personalities who have been selected through MPSC/GATE/GRE also are invited to interact with students. Departments conduct alumni / parent meets to invite suggestions and share the efforts from institute to optimize opportunities for Jobs and higher education.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out? The teachers provide necessary counseling who are at the risk of failure. Academic counseling is provided by conducting extra classes for the weak students.

The teachers provide necessary counseling who are at the risk of failure. Academic counseling is provided by conducting extra classes for the weak students. The cases are identified via mentoring mechanism and departmental academic monitoring cell consisting of HOD and Class teachers. Parents are informed about the performance of their ward and they are invited with the student to discuss the reasons and provide best possible solutions. Also remedial classes were taken for the students one hour before the daily time table starts whenever required. This helped the student to pass in respective subject. Also this helped them to gain the knowledge of subject and time management skills.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Extracurricular Activities:

Many activities are carried out by institute throughout the year. Extracurricular activities are as follows:

- **Sports:** Students participate in various Sports and Games.

Indoor Games: Chess, Badminton, Table Tennis, Carom

Outdoor Games: Basketball, Lawn Tennis, Baseball, Wrestling, Cricket, Mal Khamb, Football, Archery, Volleyball, Swimming, Kabaddi and Kho-Kho.

The students are encouraged to participate in sports activities held at college level, inter-college level, zonal level, inter zonal level, state level, National level and lead college level. There is large participation by the students in the various activities. Institute has a ground and indoor games facilities which are utilized by the students. Every year institute organizes Inter class tournaments and also encourages students to participate in various inter-college, state and national events.

- **Cultural:** In cultural various events like Annual Gathering, Nirmiti are organized by institute and also Bhartiyaam is organized by parent organization every year.

Table 5.19: Student Achievements

Sr. No	Name of Student	Organized by	Name of Event	Achievement
2016-17				
1	Ms. Pranjali B Hajare, Mr. Sumit A Bansode, Ms. Shruti S. Bharavase	NCETET-2017, 7 th March 2017, BVCOE, Kolhapur. ISSN: 2231-5063	Paper Presentation	First Prize
2	Ms. Patange Renuka D	Ashokrao Mane College Of Engineering Wathar	Infratech 2k17	Second Prize
3	Ms. Nilam Shankar More Ms. Sayali Sanjay Salape Ms. Snehal Sanjay Khot	BVCOE, Kolhapur	NCETET -17	First Prize
4	Ms. Rajnandini Ghorpade. Ms. Aishwarya S Sadalage Ms. Sayali R. Gaikwad	SETI, Panhala	Parikramaa 2k17	Second Prize
5	Ms. Amruta A. Ghatage Ms. Shweta B. Jadhav Ms. Diksha R. Kamble	SIT, Yadrav	Innovation 2k17	First Prize
6	Ms. Amruta A. Ghatage Ms. Diksha R. Kamble	AMGOI, Wathar	Vision2k17	Second Prize
7	Ms. Amruta A. Ghatage Ms. Shweta B. Jadhav Ms. Diksha R. Kamble	Dhananjay Mahadik Group Of Institute, Kolhapur	Zenith 2k17	First Prize

8	Ms. Priyanka S. Kulkarni Mr. Kaiwalya R. Kulkarni	Dhananjay Mahadik Group Of Institute, Kolhapur	National Level Paper Presentation And Technical Event	Second Prize
9	Mr. Bhushan Zade Mr. Shailesh Athale	P.V.P.I.T., Budhgaon Sangli	Chess	Winner
10	Mr. Akshay Bajarang Khot Mr. Mohitmansing Jadhav Mr. Abhishek A. Kadbane Mr. Dnyaneshwar Kadolkar Ms. Pranal Sudhir Koli Mr. Mohanish Maruti Patil Mr. Gurunath Patil Mr. Sayajivi Jaysinhingale Mr. Sammed Kaujalagi Mr. Mallikarjunan Lohar Mr. Akshay Naukudkar Mr. Kunal Mahekar Mr. Vaibhav Mahekar Mr. Yash Turmbekar Mr. Suraj Appasaheb Mali Mr. Akshay Sanjay Gavandi	Nexus India Car racing, Pune	Go Cart Racing	Second Prize
11	Mr. Akash Waghmare Mr. Dayanand Suryawanshi Ms. Priyanka T Patil Ms. Shivani Sanjay Khade	TKIET, Warananagar	Jidnyasa 2k17 Project Competition	First Prize
12	Mr. Akash G. Waghmare Mr. Dayanand Suryawanshi Ms. Priyanka T Patil Ms. Shivani Sanjay Khade	Sant Gajanan Maharaj College Of Engineering, Mahagaon	Project Competition	Second Prize
13	Mr. Rajesh Sanjay Desai Mr. Vinay Ankush Bhosale Mr. Mahadev B. Chougale	BVCOE, Kolhapur	Presentation In NCETET 17	First Prize

14	Mr. Sandesh Kadam Mr. Shekhar Sankpal	BVCOE, Kolhapur	Presentation In NCETET 17	Second Prize Paper
15	Mr. Swanand Dhanawade (PG)	BVCOE, Kolhapur	Presentation In NCETET 17	First Prize
16	Mr. Vaibhav Magdum	BVCOE, Kolhapur	Creanturous 2017, Solar Splash	Second Prize
17	Mr. Akshay Kale	BVCOE, Kolhapur	Creanturous 2017, Model Making	First Prize
18	Mr. Sidharth Kamble	BVCOE, Kolhapur	Creanturous 2017, Details to assembly	First Prize
19	Mr. Sudarshan Khopade	BVCOE, Kolhapur	Creanturous 2017, Details to assembly	Second Prize
2015-16				
1	Ms. Gayatri Salukhe	Mahavir Vidyalay Kolhapur	Zonal Youth Festival 2015	First Prize
2	Ms. Anuja Mane	Mahavir Vidyalay Kolhapur	Zonal Youth Festival 2015	First Prize
3	Ms. Aishwarya Patil	Mahavir Vidyalay Kolhapur	Zonal Youth Festival 2015	First Prize
4	Ms. Tejal Patil	Mahavir Vidyalay Kolhapur	Zonal Youth Festival 2015	First Prize
5	Ms. Anuja Mane	Matoshri Bayabai Shreepatrao Kadam Kanya Mahavidyalay, Kadegaon	State Level Youth Festival	First Prize
6	Ms. Aishwarya Patil	Matoshree Bayabai Shreepatrao Kadam Kanya Mahavidyalay, Kadegaon	State Level Youth Festival 2015	First Prize
7	Mr. Anupama Kadam	Yuva Mahotsav- District Shivaji University Kolhapur	Solo Speech	Second Prize
8	BVCOEK Group	Yuva Mahotsav- District Shivaji University Kolhapur	Mime	First Prize
9	BVCOEK Group	Yuva Mahotsav- District Shivaji University Kolhapu	Skit	Third Prize

10	Mr. Kauntaiya Dhadam	Yuva Mahotsav- Central Shivaji University Kolhapur	Solo Matikam	Third Prize
11	BVCOEK Group	Maharashtray Kalaupasak Pune	Purushottam Karandak	Third Prize
12	Ms. Aishwarya Dhumal	Pethvadgaon	Karate	Gold Medal
13	Cricket Team	Patane, Kolhapur	Cricket	Second Prize
14	Cricket Team	Sonavne, Kolhapur	Cricket	Second Prize
15	Cricket Team	COE, Pune	Cricket	Second Prize
16	Mr. Ruturaj Bhokare	West zonal University chess competition	Chess	Silver Medal
17	Mr. Ajinkya Keskar	Genesis College of Engineering, Kolhapur	Akruti 2015- 16 Autocad	Second Prize
18	Mr. Rahul Powar	Kolhapur district body building association	Body Building Competition	Third Prize
19	Mr. Rahul Powar	The power health and fitness center	Body Building Competition	First Prize
20	Mr. Rahul Powar	The power health and fitness center	Body Building Competition	Best muscular
2014-15				
1	Ms. Tejswini Devne	Yuva Mahostav(Ek Patri Abhinay)	Rajaram Mahavidyalay Kolhapur	Second Prize
2	Ms. Akshata Patil	Bharatiyam 2015	Bharati Kala Academy Pune	First Prize
3	Mr. Yuvraj Sawant	MBT Urun Islampur	Transtechno 2k15	Second Prize
4	Mr. Kokare Dhuldev	KIT College of Engineering, Kolhapur	Project Model Competition	Second Prize
5	Mr. Vikhesh Kumawat	TKIET, Warnanagar	Project Competition	Third Prize
6	Mr. Abhijit Khabade	Bharati Kala Academy	Bharatiya Kala Mahotsav, Miming	Second prize
2013-14				
1	Mr. Namaskar Patil	DYP, Kolhapur	Express Yourself At Mastermind	First Prize

2	Ms. Manisha Patil	Vliber Innodesire Solution Pvt. Ltd	Vliber In Visualize Yourself	First Prize
3	Ms. Depika K.S.	Vliber Innodesire Solution Pvt. Ltd	Vliber In Visualize Yourself	First Prize
4	Mr. Ajinkya Apte	Bharati Kala Academy, Pune	Bhartiyam	Second Prize
5	Ms. Aishwarya Patil	Bharati Kala Academy, Pune	Bhartiyam	Second Prize
6	Ms. Tejswini Devane	Bharati Kala Academy, Pune	Bhartiyam	First Prize
7	Ms. Tejswini Devane	DMCARF, Ichalkaranji And Rotary Club Ichalkaranji	State Level One Act Play	First Prize
8	Mr. Balraj Moghe	Dr.J.J.Magdum College of Engineering, Jajsingpur	Zigbee Wireless Technology	First Prize
9	Mr. Abhinandan Dharmadhikari	Dr.J.J.Magdum College of Engineering, Jajsingpur	Zigbee Wireless Technology	First Prize
10	Mr. Abhinandan Dharmadhikari	D.Y.Patil Engineering Kolhapur	Tecno-Chem	First Prize
11	Ruturaj N. Bhokare	Mahatma PhuleKrishi Vidyapeeth, Rahuri	West zone Inter university Chess Championship 2013-14	Third Prize
12	Mr. Pratik Shinde	Sanjeevan Engg. And Technology, Institute, Kolhapur	Parikrama 14, Mock Campus	Third Prize
13	Mr. Dhuldev Kokare	KIT college of Engineering, Kolhapur	Texplore 2k14	Second Prize
14	Mr. Pratik Shinde	JJM college of Engg. Jaysingpur	Mudra 2k14	Second Prize

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State /Zonal / National /International, etc. for the previous four years.

Various teams of the Institute participated in different extracurricular sports and cultural activities and bring in laurels to the Institute. Following is the list of detailed achievements in every respect.

Table 5.20: Prizes Won in different competitions

Sr. No.	Name of Students	Prizes	Competitions
1	Mr. Shripad Patil	2 nd Rank (Street Play)	District and Central Level Youth Festival Shivaji University, Kolhapur
2	Mr. Shripad Patil	3 rd Rank (Folk Dance)	District and Central Level Youth Festival Shivaji University, Kolhapur.
	Ms. Bhavana Hande		
3	Mr. Shripad Patil	1st Rank (Skit)	District and Central Level Youth Festival Shivaji University, Kolhapur.
	Ms. Bhavana Hande		
4	Mr. Nisargraj Basare	Best "Vachik Abhinay"	Purushottam Karandak.
5	Mr. Nisargraj Basare	3 rd Rank (Group Dance- Balya Dance)	Zonal Youth Festival Shivaji University, Kolhapur
	Mr. Aniket Dange		
	Mr. Viraj Shinde		
6	Mr. Nisargraj Basare	3 rd Rank (Mime- "Uttarakhand")	Zonal Youth Festival Shivaji University, Kolhapur
	Mr. Aniket Dange		
	Mr. Vishwajeet Kambale		
7	Mr. Shripad Patil	3rd Rank ("Skit")	District and Central Level Youth Festival Shivaji University, Kolhapur
	Ms. Amruta Chougule		
8	Mr. Shripad Patil	3rd Rank (One Act Play- "Gara")	District and Central Level Youth Festival Shivaji University, Kolhapur
9	Mr. Nisargraj Basare	1 st Rank (Mime- "Puppet")	Central Youth Festival Shivaji University, Kolhapur
	Mr. Aniket Dange		
10	Mr. Nisargraj Basare	1 st Rank (One Act Play- "Gara")	Zonal Youth Festival Shivaji University, Kolhapur
	Mr. Pushkraj Jadhav		
11	Mr. Nisargraj Basare	1 st Rank (Mime- "Puppet")	Zonal Youth Festival Shivaji University, Kolhapur
	Mr. Aniket Dange		
12	Mr. Nisargraj Basare	3 rd Rank (One Act Play- "Gara")	Purushottam Karandak
	Mr. Pushkraj Jadhav		

13	Mr. Nisargraj Basare	2 nd Rank (Mime- "Puppet")	"Aakar" Organized By Sanjay Ghodavat Group Of Institutes, Atigre, Kolhapur
	Mr. Aniket Dange		
14	Mr. Nisargraj Basare	3 rd Rank (One Act Play- "RAJA")	Manoranjan Karandak, Ichalkaranji Kolhapur
	Mr. Mayuresh Sawant		
15	Ms. Sukesha Tawade	First Prize	Shri Ramkrishna Mission:National Level Essay Competition
16	Ms. Prachiti Karandikar	Second Prize (Silver Medal)	Shri Ramkrishna Mission:National Level Essay Competition
17	Ms. Akshada Patil	Best Writer	Bhartiyam Karandak Competition, Kadegaon
18	Mr. Shivprasad Patil	Best Light Effects	Bhartiyam Karandak Competition, Kadegaon
19	Ms. Tejaswini Devane	Best Actor	Bhartiyam Karandak Competition: Drama
20	Mr. Namaskar Patil	First Prize	Shri Ramkrishna Mission:National Level Essay Competition
21	Mr. Mayur Patil	Second Prize	Nirmiti: Presentation
22	Mr. Soham Kulkarni	Second Prize	D.Y.Patil Coe: Photography
23	Mr. Amrutosh Karanjkar	Second Prize	Satej Youth Festival, Kolhapur :Photography
24	Ms. Pratiksha Patil	First Prize	Nirmiti:Poster Presentation
25	Ms. Priyanka Solankhee	Third Prize	Nirmiti:Mehandi
26	Ms. Sonali Kharade	Second Prize	NIRMITI:Painting
27	Mr. Ninad Samant	Second Prize	Nirmiti:Poster Presentation

5.3.3 How does the Institute seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The Institute uses feedback from all its stakeholders for enriching the quality of the students. Following are the different types of feedback systems maintained by the Institution which benefit for improvement in teaching and learning process.

1. Student feedback
2. Parent feedback
3. Employer feedback
4. Alumni feedback
5. Exit feedback

5.3.4 How does the Institute involve and encourage students to publish materials like catalogues, wall magazines, Institute magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

- The Institute publishes its yearly magazine, named “VISHWABHARATI”. Students submit their material in various areas like Articles, Stories, Poetry, Paintings, and Photography etc. Editorial Board of magazine committee selects the material to publish. The students of the Institute had won many prizes in various categories.
- Mechanical department runs the wall magazine named “ANTRANG” in institute where different forms of Arts like drawing, sketching, painting cartooning, writing (scripts, poems, columns, interviews, etc.) reporting, photography, film making, rangoli, are encouraged by this magazine.
- There is an Art exhibition called “NIRMITI” conducted every year during Annual Social Gathering.
- Four short films were made by students, Ms. Sonali Dhaphale is an acclaimed writer in Marathi and is regular columnist for various daily newspaper Maharashtra Times. Her column “College Club Reporter” in Maharashtra Times was appreciated.
- Institute organizes National Conference every year. Students are encouraged to publish papers in Conferences.

5.3.5 Does the Institute have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Yes, till academic year 2015-2016, institute had student council.

- **Selection**

Yes, as per the Rules and regulations under provision of section 40(2) (b) of the Maharashtra Universities act, 1994 and guidelines provided by Shivaji University, Kolhapur; Institute has formed the Student Council.

- **Constitution**

The constitution of student council is shown here.

Table 5.21: Constitution of student council

Sr. No.	Designation/ post
1	Principal
2	Principal nominated faculty
3	Physical Director
4	NSS Program Officer
5	Cultural Coordinator
6	Three Academic Toppers (F.E., S.E., T.E.)
7	Cultural Secretary
8	NSS Representative
9	Sports Representative
10	Principal nominated two Ladies Representatives

- **Funding**

Various activities under student council such as NSS, Cultural activities and Sports. NSS activity is funded by Shivaji University, Kolhapur as well as institute; cultural activities and sports are funded by institute itself.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

Institute has academic and administrative bodies that have student representative on them. Committees having student representatives such as Sports Committee, NSS Committee, Anti Ragging Committee, Cultural Committee, Hostel Committee, Departmental Student Association, Student Council, IQAC and ISTE.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution. Any other relevant information regarding Student Support and Progression which the college would like to include.

The institute organizes Alumni Meet every year to interact with the former students. Every faculty tries to contact the Alumni through various social networking sites as we share an excellent rapport with them. Alumnae are invited to interact with the students during workshops, Annual Gathering and Project Exhibition.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1. State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision of the college:

- “Social Transformation Through Dynamic Education”

To be recognized as leaders in engineering education and explore innovative learning opportunities for application of knowledge to benefit society.

Mission:

- To be amongst one of the premier Institute of Engineering.
- To prepare students for professional career and advance studies in the field of Engineering.
- To impart quality education and disseminate global issue to students for serving the society.
- To create a technological savvy campus and provide industry centric education.

The mission statements themselves drive the institution towards its vision.

- College is established under the prosperous umbrella of Bharati Vidyapeeth Parivar's-one of the oldest educational associations having its campuses all over India and abroad. Quality education provided by qualified staff at very good quality infrastructure helps to attain first statement of mission.
- The training placement cell and respective departments take care of developing professional competence and soft skills in every student by inviting trainers from various organizations to impart the necessary skills needed by the industries. This aligns with the second statement made in mission.

- The institution follows a three-fold system with academic, co-curricular and extra-curricular programs. The academic design is based on enhancing and empowering the knowledge base of the students. The focus is on the recent trends in technology. Along with this, students also celebrate festivals like 'Ganeshotsav' and 'Shiv-Jayanti' in campus and take participation in NSS activities, Young Inspirator Network, university and state level cultural programs, Save Girl Rally, No Vehicle Day, tree plantation. This indicates institute approach towards fulfillment of its third mission statement.
- Large number of MOU's are signed with industry at institute level as well as department level, increasing industrial exposure to students and encouraging them to undertake industry sponsored projects aims at fulfilling fourth statement in mission.

Bharati Vidyapeeth's College of Engineering, Kolhapur was set up with a mission to impart such knowledge as may be necessary for the all round development of the character of students thereby making them capable of being better employed and at par with the highly competitive job markets.

6.1.2. What is the role of Top Management, Principal and Faculty in design and Implementation of its quality policy and plans?

Our Institutes quality policy supposed to create innovative engineers who will satisfy all the future industrial demands or be successful entrepreneurs by maintaining excellent teaching as well as administrative standards.

For this purpose a strategic plan is designed by the principal and HOD's. To work out this plan precise roles are allotted to faculties.

Role of Top Management

- Top management is part of various committees' named–Building committee, Finance committee, Staff committee and Industry Institute Interaction committee.
- Building committee validates needs of new infrastructure, review maintains and improvement of existing infrastructure.
- Finance committee propose budget for every academic year as per the requirement furnished by each department and committee.

- Staff committee organizes workshop about skill enhancement of faculty and staff.
- Industry Institute Interaction committee interacts with various industries and signs MOU's with them to provide industrial exposure to the student.
- The regional director conducts weekly meeting with the principal to retrospect the quality policy of the institute.
- The management committee reviews every ongoing academic, extra-curriculum and co-curriculum activities in institute.
- The management offers encouragement to the staff to take active participation in national as well as international conferences in supports to quality policy
- The suggestions proposed by governing bodies like local management committee are reviewed and does the needful.
- The regional director conducts meeting with HOD's and Committee heads once in a semester to keep check on quality policy.

Role of Principal

- Being an active member in deciding quality policy and making strategic plan, the principal is responsible to timely and systematic completion of academic events.
- The principal provides academic leadership and in coordination with HOD's and faculties sets out proper target for academic growth of the institute.
- As per the guidelines, management holds weekly meeting with HOD's to implement new and revised policies to empower academic growth of the institute.
- The principal aware HOD's and faculties about funding schemes launched by Government., AICTE,UGC etc. and inspires the faculties to produce necessary proposal to get this funding.
- The principal inspire the faculty to pursue higher studies like PhD and research studies.
- The principal holds meeting of IQAC cell periodically to ensure quality teaching.

- The principal takes initiative in arranging FDP's (Faculty Development Programs), skill enhancement workshops for quality improvements.
- The principal gives recommendation to management about improvement in quality policy.

Role of HOD's

- Designs calendar for departmental academic activities and ensures their proper execution.
- Takes periodic reviews of syllabus completion to ensure fulfillment of syllabus.
- Monitor faculty's teaching methodology and issues guidelines regarding necessary improvement to achieve higher efficiency in the quality of courses.
- Ensure that the laboratories and library are fulfilled with satisfactory equipment's and books respectively.
- Motivates students to carry out industry sponsored projects by signing MOU's with industrial firms.
- Inspires faculties to present and publish research papers in conferences and journals. Also, motivates junior faculties for higher studies like Ph.D.
- Plans co-curricular as well as extra-curricular activities on regular basis for overall growth of students as well as faculties.
- To form alumni network and facilitates guidance of renowned alumni to students.
- Conduct weekly meetings with faculties to maintain interactive relationship.

Role of Faculty

- Executes the quality policy of the institute as per the guidelines.
- Contribution in:
 - Timely completion of syllabus.
 - Active participation in research oriented programs.
 - Regular contact with the students to keep an eye on their self-development plus academic growth.
- Keeps check and tries to improve punctuality and active participation of students in co-curricular activities, guest lecture etc.

6.1.3 What is the involvement of the leadership in ensuring?

The policy statements and action plans for fulfillment of the stated mission

- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan.**
- **Interaction with stakeholder.**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.**
- **Reinforcing the culture of excellence.**
- **Champion organizational change.**
- **Top management set goals for the institute**
- To meet current industry demands for professionals.
- To provide employment and advance educational opportunities in emerging areas.
- To build and promote teams of experts in upcoming specialization.
- To keep faculty members update with latest development in technology and teaching methodologies.

Through several ways, the management collects information about different aspects regarding functioning of institute. It also encourages the staff to participate actively in the decision-making process by having their representatives in the top most decision making body which is institute governing body. The institute has set various committees for situational academic as well as non-academic needs. Not only teachers but also non-teaching staff plays a very crucial role in planning and execution of procedures that are helpful for day to day functioning of institution.

- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan.**

The management appoints a committee headed by principal which consists of senior faculty members from all departments to ensure proper formulation of necessary action plans by means of academic event calendar, schedules and teaching plans.

- **Interaction with stakeholder**

Authorities take into account the suggestions as well as remarks placed by students in feedback forms and information available in performance appraisal forms of teachers to make a better plan periodically carried out interactive sessions of principal with various stakeholders, faculties, non-teaching staff, students and their guardians has its own importance in this. Also, parent-teachers meet which is carried out in each semester helps to form a strong bond between institution and parents. Annually held alumni meets makes alumni continue their attachment with the institution which adds to the growth of institute.

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

A proper analysis of the major needs is carried out and after having enough research inputs and satisfactory consultations with the stakeholder's strategic plan is developed and implemented as per the needs.

- **Reinforcing the culture of excellence**

Also, experts from various fields have been appointed as members in statutory bodies like governing body and academic councils as their expertization is an added advantage towards the development of the institution. Every department asks alumni, experts and industrialists to place their views and suggestions in order to analyze the problems and solve them as early as possible.

- **Champion organizational change**

In order to increase the level of standards of excellence, as per the requirement necessary organizational changes are taken into account and implemented with proper planning and precision.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The institution opted participatory managerial principles to ensure development through following practices:

- Information flow is always upwards i.e. from lower to higher level and they furnish recommendations after thorough discussion with members and present them to the top governing bodies.

- Whenever any change is proposed its feasibility is first discussed with respective coordinators and if it is found all right then that change is implemented.
- With complete autonomy allotted to principal he governs the institution within the bounds of the rules and regulations which are framed by the government.
- A self-mapping exercise is carried out for the staff at the very beginning of the year. This explores the strong points and challenges of each individual to structure an ability map which helps the management for the proper distribution of responsibilities.
- Using such maps the head of the institution appoints conveners for various committees and also nominates members of committees in consultation with respective conveners.
- All the committees are provided firm guidelines about their roles and responsibilities by the principal.
- The faculties are made aware of their duties and responsibilities during regularly carried out staff meetings and departmental briefings by the head of institution.
- Also, administrative staff is given a job map along with their roles and responsibilities.

6.1.5 Give details of the academic leadership provided to the faculty by the topmanagement?

The Principal of institute acts as head of both the academic as well as the administrative fields. He has the responsibility to make sure of supremacy in all the aspects of predefined strategy. For this to achieve he is allotted with enough powers as well as autonomy. After going through the abilities of each individual he assigns responsibilities to them. Proper guidance and encouragement is provided by the principal to all the staff to fulfill needs of institution. He acts as a co-coordinator between management and staff. The management regularly interacts with the principal and the staff members. A discussion about various problems and issues related with institute development, administration, infrastructural needs and student disciplines takes place between management and different committees through frequently

conducted meetings. In these meetings, according to the need responsibilities are set and communicated to staff. If needed the director of institute himself conducts meetings with staff to interact directly and bestows the responsibilities. The staff-teaching as well as non-teaching follows guidelines issued and obey the orders in the interest of the institute.

Various committees are formed for the smoothly execution of academic and co curricular as well as extracurricular activities and also their responsibilities are precisely defined. Some of the important committees are included hereby

- Academic calendar and time-table
- Library advisory committee
- Hostel and health care for boys and girls separately
- Student discipline
- ISTE chapter
- Publicity incharge and event register
- Internal Quality Assurance for Staff academic and welfare
- AICTE/University proposals
- Internal complaint committee
- Training and placement
- Anti ragging
- Cultural team
- Local purchase
- Alumni association

6.1.6 How does the college groom leadership at various levels?

The Bharati Vidyapeeth's College of Engineering, Kolhapur grooms the leadership at all levels of administration, among staff and students. Specialized training programmes are provided to enhance leadership skills and abilities of personnel who are selected for the role of co-ordination. By providing proper motivation and support to the participation of staff in enhancement of efficiency and effectiveness of the institutional process. The management encourages the staff to contribute to various activities which are related to development of college through the principal. This involvement is ensured by forming various committees which include discipline committee, examination committee. As far as enhancement of leadership qualities of students are

concerned, for this purpose institute undertakes various extra-curricular activities like blood donation camp, village outreach programs, no vehicle day, world anti-tobacco day, technical competitions, career guidance programs, free health check-ups for weaker sections of society.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

Decentralization of administration is done significantly. Principal conducts meetings with both academic and non-academic staff on regular basis and their suggestions are taken into account for effective implementation of strategies. HOD's are allotted academic as well as administrative duties. The HOD's conducts meetings at departmental level and decisions are taken after consultation with the staff. Also, sufficient checks and balances are provided in the system to confirm that the intentions behind decisions made are clear and correct. If needed higher authorities and committees review their decisions. The purpose of these meetings is to enhance academic, co-curricular and extra-curricular performance of the students. The work is communicated to staff that frame the timetable, formulation of teaching plans and accept the responsibilities assigned to them by HOD. The HOD regularly supervises records of lessons covered on daily basis in the academic diary maintained by all staffs. Besides academic responsibilities, faculties also carry administrative work and contribute to various functional committees that cover each and every aspect of the governance of college. The management gives directions on various issues by considering principal's report and feedback it receives from student and society which are conveyed to staff and implemented by principal. For this purpose college has Local Management Committee which have following members

Table No. 6.1: Local Management Committee (LMC)

Sr.No.	Name	Designation
1	Hon. Dr. Vishwajeet Kadam	Chairman
2	Prin. Dr. K. D. Jadhav	Member
3	Dr.H.M.Kadam	Member
4	Dr.H.N.More	Member
5	Dr. Nitin Nayak	Member
6	Ms. J.K.Patil	Teaching Faculty Representative
7	Mr. S. S. Pawar	Teaching Faculty Representative

8	Mr.A.S.Patil	Teaching Faculty Representative
9	Mr.A.N. Pawar	Non-teaching Representative
10	Dr. Suhas S. Patil	Member Secretary

6.1.8 Does the college promote a culture of participative management? If “yes”, indicate the levels of participative management.

The administration of the Bharati Vidyapeeth's College of Engineering, Kolhapur, strictly adheres to a participative approach. Principal is the head of academic and administrative affairs. All policy changes and academic activities are planned through a process of dialogue with stakeholders at various levels of the management system. To decide the policy and take major decision governing body is formed which have following members

Table No 6.2: Governing Body (GB)

Sr.No.	Name	Designation
1	Hon. Dr. Vishwajeet Kadam	Chairman
2	Prin. Dr. K. D. Jadhav	Member
3	Dr.H. M.Kadam	Member
4	Dr.H.N.More	Member
5	Prin. Dr. Mrs. Mangala Patil	Member
6	Mr. S. J. Kadam	Member (Faculty)
7	Mr. A M Patravale	Member (Faculty)
8	Shivaji University Nominee	Member
9	DTE Nominee	Member
10	AICTE Nominee	Member
11	Dr. Suhas S. Patil	Member Secretary

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes,

- Our institute has a formally stated quality policy. Quality policy was originally stated by the Board of Governors as follows:

We are committed to create professionals to meet the emerging industrial and social demands through-

- Innovating teaching.
- Collaborating with institutions and industries.
- Excellent infrastructure facilities.
- Inculcating moral and values among student and staff.

- Quality policy is derived and aligned with respect to the vision and mission of the institution.
- It clearly states the objectives of the institution, their process of progress towards the achievement of objectives and its contribution to the society.
- A number of mechanisms have been taken to translate quality to its various units by the institute.
- The plans and policies are geared up by the different committees based on the activities suggested by various departments for the particular academic calendar year.
- In the academic units, teachers are encouraged and supported to participate in seminars, conferences, workshops, refresher and orientation courses to update their knowledge.
- To make available quality education in different areas of knowledge to the students as per their choice and inclination.
- To offer education to the students in a conducive ambience created by enriched infrastructure and academic facilities in its campus.
- To bring education within the reach of rural, tribal and girl students by providing them substantive fee concessions and subsidized hostel and mess facilities.
- To make available quality education to the students of rural, tribal and other deprived sections of the population.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes,

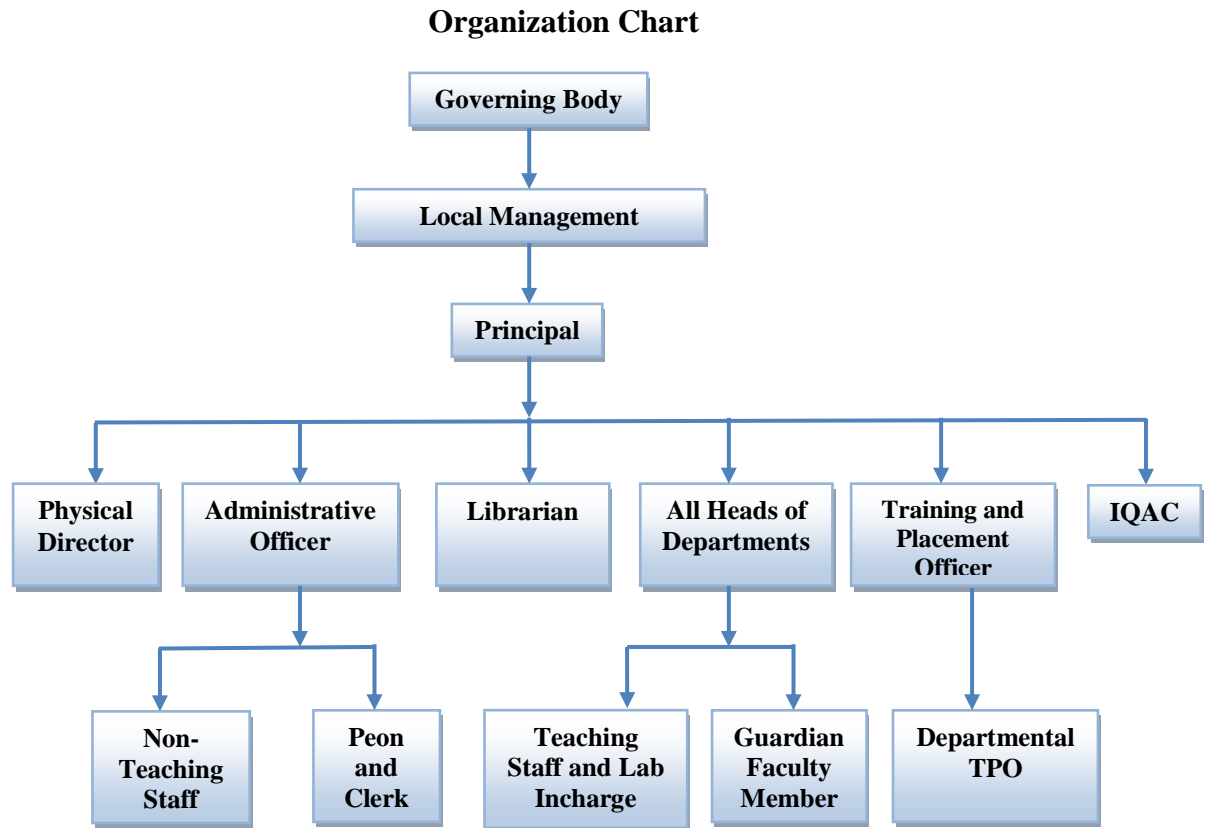
Plan for new facilities and infrastructures for year 2017-18

- Installing tar roads in campus
- Increase capacity of boys hostel
- Increase internet bandwidth and Wi-Fi to host national education missions like ekalavya, e-prayog, e-yantra from national institutes.

Plan for research work for year 2017-18

- To increase contribution in publications in high impact factor international journals
- To have industry tie ups and MOU's for project sponsorship
- To increase staff consultancy work

6.2.3 Describe the internal organizational structure and decision making processes.



The Principal is the point of contact between Staff, student and management cell. Director and Administrative Officer work with the Principal in executing general administrative works. Coordinators of all committees at the institute level will report to the Principal. Training and placement cell who looks into all activities related to campus recruitment and training of students will report to the Principal.

6.2.4 Give broad description of the quality improvement strategies of the institution for each of the following:

- **Teaching and Learning**
- **Research and Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**
- **Teaching and Learning:**
 - The Management is committed to provide quality education to the students and is involved in effective and efficient transaction of teaching learning process.

- There are various mechanisms for performance assessment, like seeking feedback from stakeholders, alumni and parents.
- Review of last results.
- Prior course allocation to the faculties.
- Lesson plan.
- **Research and Development:**
 - Research and Development is an integral part of our institute.
 - Allocation of budget for in house Research and Development
 - Appreciation and support for publications/research.
 - Financial assistance to faculties for attending seminars, training programme, faculty development program and staff development program
 - Financial assistance to faculties for publishing papers in conferences.
 - The faculties as well as students are encouraged for research work in addition to their regular work.
 - In the past few years a good number of our faculties have completed their M.E./M.Tech. and many of them are registered for Ph.D. programmes.
 - Other research activities of the departments include presentation and publication of research papers in seminars, conferences and journals to take different project works.
- **Community engagement:**
 - Through the Student NSS, ISTE committee and the Institute use to render community service by organizing blood donation camps, save girl rally awareness programmes and sexual harassment prevention program for girls.
 - Guest lecturers of recourse persons from industries or other institutes
- **Human resource management:**
 - In order to ensure management of human resource, the institute takes all necessary steps among which, the prominent are deputation of teachers for participation in various seminars, workshops and academic conferences organized by various agencies.
 - The teachers are also encouraged for participative decision making, regarding the smooth conduct of institutional affairs.
- **Industry interaction:**
 - Industry interaction is the integral part of the technical education.

- To make the students more industry oriented our institute arrange industrial visits every year.
- After their industrial visit, they give a presentation before their departmental staff.
- Apart from this, seminars are also organized where people from industries are invited to give talk and interact with the students.
- Final year students are encouraged for industry sponsored projects.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the college institution?

- The management and head of the institution are always in interactive mode with each other.
- The head of institution of Management Committee get the feedback from teachers, students with regards to the teaching quality, curriculum, extracurricular activities and infrastructural demands.
- In the meeting of the Management Committee the information gathered from different sources like stakeholders are discussed with the participating members.
- After thorough discussion and deliberation the existing facilities and activities of the institution are reviewed and decisions are taken for their implementation after going through the available resources and modalities.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- The Management and Head of the institution encourages and supports the involvement of the staff in improving the effectiveness and efficiency of the institution through their involvement in various committees as conveyors, members, coordinators and their performance reports are considered as a step for their carrier advancement.
- The academic and administrative staff members play a vital role in the planning and execution of activities in the institution.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The resolutions passed in the governing council meeting are presented herewith.

- Approval for balance sheet of Bharati Vidyapeeth's College of Engineering
- Planning for budget for the year 2016-17.
- Status of student's placement for the year 2015-16
- The admission status of first year 2015-16

Status of the implementation of these resolutions:

- Review of balance sheets is done also purchases and other expenditures are listed.
- Budget allotment is done as per the approval.
- To improve the student's placement, the training and placement officer has arranged a training program for 3rd year students of all departments.
- To improve admissions, awareness programs and counseling sessions as well as mock exams in junior colleges were conducted.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Yes,

The institution is affiliated to Shivaji University. This university has a provision for awarding the status of autonomy to affiliated institutions. This institution is established in Academic Year 2001. Presently, the institution is planning for NAAC and NBA accreditations. The institution further has plans to go for autonomy after acquiring the NAAC and NBA accreditation.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

Yes,

- There is a grievance cell headed by the principal. It works on complaint of the students if any. It also works for the different committees.

- The student or staff who belongs to the institute give their complaint either to the Principal or department HOD or they can keep the written complaint in the complaint box.
- Their complaint is attended depending upon the gravity of the complaint. Also there is one separate cell for the girls which addresses the complaint of the girl students.
- Local Inspection Committee of Shivaji University visits every year and take note of complaints if any.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on Institutional performance? If yes, what was the outcome and response of the institution to such an effort?

Yes,

- Feedback Mechanism.
- Feedback is taken from the students, parents and alumni at different times and in prescribed forms.
- Alumni and parent feedback is taken at respective meetings. For such feedback, coordinators have been appointed at institute level as well as departmental level.
- Feedbacks are analyzed by the principal and decision is taken for improvement.
- Result analysis for performance evaluation of every class is done every semester.

6.3 Faculty Empowerment Strategies

6.3.1. What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

- The professional development of the teaching and non teaching staff is ensured by the institute by providing the resources to participate in various orientations, refresher courses, workshops, conferences and other academic programmes organized at State, National levels.

- The faculty members are motivated to present research papers in various conferences at national and international levels.
- The members of teaching staff are encouraged and supported financially to participate in various training programmes aiming at professional development.
- The institute helps the faculty for organizing seminars, conferences and workshops. Faculty members of the institution actively participate in national and international seminars and conferences.
- The institute motivates the faculty for research and development by providing financial support, digital library, research equipment and labs.
- The institute Promotes research culture, research publication by creating infrastructure to carry out research work and run projects.
- The institution encourages faculty members to enroll for or provide resources for training programmes and workshops.
- Examination training is given to non teaching staff. Also computer awareness program and office automation and accounts management training is encouraged for non teaching staff. Also conducting programmes on managing stress at work and personality development by eminent resource personalities.
- Institute allows staff members to improve their educational qualification by providing education leave.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- As faculty empowerment is a must required activity for the growth of the individual as well as institute, steps are taken regarding this to train and motivate the employees for roles and responsibilities they perform.
- Their performance is reflected in their service records and recommendations are made for their placement to next higher grades. Their names are recommended for awards.
- The head of the institution suggests the names of senior faculty who need to be trained for administrative positions when promotions are due.

- For personality development, teaching skill development and social and technical up gradation, the Institute organizes training programs.
- The institute deputed the faculty for training organized by other organizations. For example: refreshers courses, orientation programs and ISTE workshops.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

- The mechanism being applied for the performance appraisal of the staff includes the evaluation, assessment and judgments on the basis of their performance in shouldering their assigned duties and responsibilities in the areas of academic, co-curricular, extra co-curricular, administrative affairs, institutional development, research work and social service.
- The performance is also evaluated on the basis of feedback sought from the students. The assessment comes through the feedback forms, which in turn indicate the teachers quality, by the students.
- The feedback form has a well defined set of questions that help the students to evaluate the teaching capacity based on lecture understanding and define how far the teacher has succeeded in reaching out to the students. These details are accessible to staff so as to help them judge their performance.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- The best part of the feedback based appraisal is that each faculty becomes aware of self weaknesses and tries to improve oneself in those areas so that he/she can score better in the next year.
- The score/ category obtained in the feedback contributes to the decision about faculty appreciation. Awards and certificates with appreciation is given to the deserving staff during annual gathering prize distribution.
- Faculty with low score is personally counseled by the Principal and guided properly for improvement.

- The management always plays an active role in the performance appraisal of the staff. The management keeps a keen vigil on the working behavior of the members of the teaching as well as the non teaching faculty.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The welfare schemes for teachers include financial assistance in case of distress and emergencies. Institute has implemented following social welfare schemes

- Medical leaves are given to the employees during his/her job period.
- Medical claim facility is made available to staff during ill health expenses.
- There is a provision of maternity leave and paternity leave given to the staff.
- EPF schemes.
- Gratuity scheme.
- Duty leave is given, if applicable.
- Uniforms to class non teaching staff.
- First aid kit in every department/ building.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- For the attraction and retention of the eminent faculty in the institute, a cordial and congenial working atmosphere is created in the institution, besides attempting to stop their transfers from the institute.
- Salary is offered to the faculty according to their experience and qualification. Feedback is taken from the students and appraisal is made in order to give incentives and increments to the faculty. The institute provides functional office infrastructure and other space to carry out their work effectively.

6.4 Financial Management and Resource Mobilization

6.4.1. What is the institutional mechanism to monitor effective and efficient use of available financial resources?

- Yearly planning of budget under different Heads-Our Institute has well defined mechanism to monitor effective and efficient use of available resources. Each department is in charge of estimating the budget and

allotting the available financial resources to the various departments of the institution.

- Approval of Secretary, Regional Director, Principal are made with the recommendations of duly constituted department.
- Comparison of cost and quality of the item takes place using minimum three different quotations. After comparison, purchase order on the suitable vendor will be released.

Also there is Internal Audit Committee of Bharati Vidyapeeth- Head Office, Pune; to monitor the effective and efficient use of available financial resources. There is fully computerized accounts department in the institute.

The following three types of accounts are created:

- Receipts and Payment Accounts.
- Income and Expenditure Accounts.
- Balance Sheets.

Each and every transaction is supported by the vouchers and bills. All the collections are deposited directly in the bank and all expenditure, recurring and non-recurring, are incurred through cheques. Internal audit is done periodically. The external audit is done by the Chartered Accountant before the session comes to an end.

For efficient use of the financial resources, the budget is prepared. Account section looks after the following three types of payments/expenditures:

- Recurring.
- Non recurring.
- Capital Expenditure (Asset).

Separate budget is allocated to enable the institution for efficient use of the financial resources.

6.4.2 What are the institutional mechanisms for internal and external audit?

When was the last audit done and what are the major audit objections?

Provide the details on compliance.

Internal audit is done regularly. Our institute has well defined budget policy. From every department, institute collects budget planning considering academics and nonacademic's requirements before starting academic year.

After reviewing the budget for financial year, principal along with regional director and local management body allocates the projected budget under different heads like.

- Equipments
- Consumables
- Repair and maintenance
- Research

After recommendations of duly signed purchase order by the purchase committee, funds will be released by the account section.

Audit was conducted in the month of May 2016. Following objection has been raised by the audit officers.

- Service books are not updated
- Recovery of excess payment in pay-sheet

After conducting the audit, the recommendations made by the external audit officials have been well taken care of and answered in following manner.

- Service books are dully updated
- Excess payments are recovered

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any

The status of our institution is “Self Financed”, non-aided private engineering college. The major source is fees from the students. The fee (Tuition fee and development fee) is decided by Shikshan Shulka Samiti, government of Maharashtra. Our institute is affiliated to Shivaji University, Kolhapur. Other fees are collected as per directives of Shivaji University, Kolhapur. Also, the entire infrastructure (Land and building and immovable property) is provided by the parent organization.

The major sources of funding for the institution are as under:

1. Fees from Students
2. Funds from Bharati Vidyapeeth, Pune - Head Office

Proper cash book and other accounting records are maintained for income, expenditure and utilization of these funds. The accounts are duly audit. The audited statement of Accounts is enclosed for last four years.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

In order to ensure that the plans made for the improvement / additions to infrastructure stand implemented, additional funds were arranged from the Bharati Vidyapeeth, Pune for construction of the new academic block accommodating large number of students, separate reading rooms, ladies staff room, separate wash room for girls.

We conduct different exams in our institute premises and certain funds are generated from lead college agency. In addition to that Institute has the Facilitation center (for FE and Direct SE admission) which gives extra funding.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institute established an IQAC? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes, Institute always has given priority for the iterative learning and improving of the quality of education system. Hence it has also formed an IQAC task force which consistently monitors the quality of academics.

Structural body of IQAC team is shown as below

Table No 6.3: IQAC Committee

Sr. No.	Name of the Faculty	Position	Designation	Industry/ Department
1	Dr. Vijay R. Ghorpade	Chairperson	Principal	CSE
2	Dr. H. M. Kadam	Member from Management	Regional Director	---
3	Dr. K.R.Desai	IQAC Co-ordinator	Professor	ETC
4	Mr.R.L. Kadam	Administrative Staff	Administrative Officer	Office
5	Mr. J.M. Khalipe		Accountant	Office
6	Mr.M.S. Sonawane		Training and Placement Officer	ETC

7	Ms.J.K.Patil	Members	Associate Professor	ETC
8	Mr.S.J. Kadam		Associate Professor	Mechanical
9	Mr.V.S. Kadam		Assistant Professor	Civil
10	Mr. S. B. Takmare		Assistant Professor	CSE
11	Mr.V. T. Korishetti		Assistant Professor	Electronics
12	Mr. G. K. Kalekar	Alumni and Industry member	Chairman	Food Packaging Industry
13	Mrs. SadhanaZadbuke	Community Service member	Social Worker	Director, Savedana Kolhapur
14	Ms. A. A. Kadam	Student Member	Student	Civil
	Mr.RajatMerwade		Student	ETC

* With Effect from 21st September 2017

b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

The IQAC helps for proper academic planning, execution, monitoring and evaluation. IQAC has planned for

1. Developing infrastructure
2. Deploying Wi-Fi Campus
3. Preparation of academic plan and calendar.
4. Execution and monitoring of academic plan/activities.
5. Online feedback system from students and alumni.
6. Mentoring the students.
7. Going for NAAC Accreditation.
8. Increase generator back up facility.
9. Adapt advanced teaching methods.
10. Apply for Masters in Mechanical and Computer engineering.
11. Preparation of football ground.

Implementation status of above mentioned activities.

1. After putting in front of management committee, suggestions regarding infrastructure development by IQAC cell are approved with little or no

changes. Special funds allocated for infrastructure development and proposal is sanctioned by management. Second wing is constructed solely for library and exam coordination.

2. Campus is fully Wi-Fi deployed with high speed 4G capability.
3. Improvement in academic diary, also introduced new academic diaries for faculty, guardian faculty members and HOD's for easy monitoring evaluation.
4. Consistent teaching learning process is monitored by HOD's through Oral feedback from students and also diary checking for syllabus completion reports.
5. Online feedback is taken from student every semester for concerned staffs.
6. Student care is taken by respective GFM's as well as mentors regarding educational and personal problems of students and the information regarding this is captured in student mentoring forms.
7. Based on the discussion with senior faculties and management homework regarding NAAC accreditation process is started and a NAAC cell is also formed with a institute level NAAC Coordinator.
8. New high back up capacity generator is installed and a separate person is allocated for the operation and maintenance of generator.
9. Latest teaching learning aids and processes are followed viz. installation of LCD's in every classroom, purchase of NPTEL lecture slides, video contents and simulation software usage.
10. Based on the discussion between Principal and Management, application for PG in Mechanical and computer science department was done. The courses were sanctioned and are in practice.
11. Clean football ground is created with the help of institute level physical director.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them?

Yes,

IQAC has external members in its committee that include Alumni and Industry representatives. Suggestions given by them are considered by IQAC during the

decision making process. Some of the important contributions of them is improved Hostel facility and MOU's signed by private hostels for girls, reference book purchase for library, organization of National Conference and IEEE access etc.

d. How do students and alumni contribute to the effective functioning of the IQAC?

Feedback is taken from students on different parameters in every semester, the analysis of which leads to quality improvement in various activities of the institute. Passing out students and also Alumni give suggestions and feedbacks on various activities of the institute during the final farewell function and alumni meet as well as interactions with the teachers as and when they come to the campus. These suggestions and feedback are put forward in the IQAC meetings by Principal, HOD and Alumni Co-coordinator. Proper actions are taken against the suggestion taken from suggestion box.

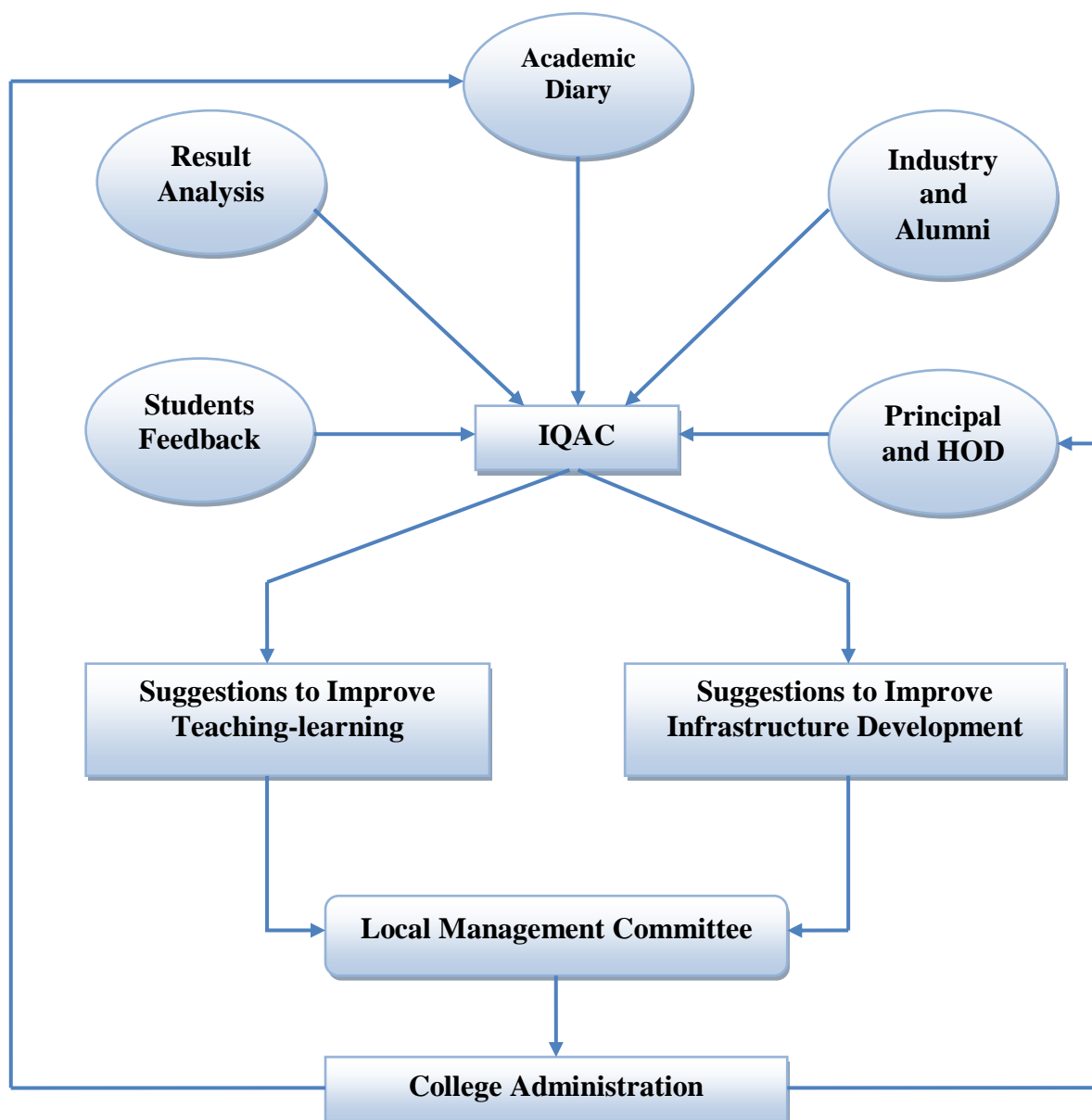
e. How does the IQAC communicate and engage staff from different constituents of the institution?

Faculty and staff from different constituents of the institution are communicated through the heads of respective units. Institute has appointed Physical Director, Librarian, Registrar to ensure proper functioning of Sports and Library respectively. In addition, guest lectures by faculty from sister concerns are organized by IQAC from time to time for staff and students.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalization.

Yes,

The institution has integrated framework for Quality assurance of the academic and administrative activities. Same is explained in figure below.

INTERNAL QUALITY ASSURANCE CELL

Issuing guidelines to the departmental heads and auxiliary staff ensures a better association and correlation between academic and administrative activities for better quality assurance. In order to ensure proper implementation of guidelines the administration is sensitized at regular intervals of time. Feedback is received to identify the deviation if any and recommended corrective measures to ensure proper implementation of guidelines. The self appraisal mechanism started for teachers, together with the student feedback has been very useful for the Principal to arrive at an overall performance report of the teacher. The feedback on teachers obtained

from students has helped to analyze and evaluate the performance of the teachers. These evaluator mechanisms are taken into consideration for teacher's promotion.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Yes,

Meetings of various committees are convened from time to time and members are well trained for effective implementation of quality assurance procedures. This helps in guiding and training the members to ensure their better contribution towards overall institutional excellence. Teachers are advised to monitor the workflow of the competitive colleges and thereby to improve their inter personnel skills. Some of the activities include-

- Training program on Microsoft Office was arranged for administrative staff.
- Laboratory assistants are updated with the necessary knowledge.
- Students are benefited during lab work sessions.
- Workshop on electric safety was delivered to non teaching staff

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

The institution has two approaches to carry out the academic audit

(1) Internal (2) External

Internal audit is conducted by the institutions itself.

- Head of the Institution conducts meeting regularly and visit the class rooms to ensure proper delivery of the material and timely completion of course as per syllabus in time.
- Feedback from students is being collected.
- Assignments/ Unit tests are conducted at different intervals of time and evaluation are made accordingly.
- Inter college participation of students is ensured at regular intervals of time.

External audit is conducted in the sense that administrative department collects detailed report with regard to pass percentage of students.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- Internal marking strategy is decided by the Principal and HOD and term work mark on this basis are included in the university results. Proper action is taken against the student who are defaulter in the academic performance.
- Suggestions from the LIC (Local Inspection Committee) regarding laboratory development and books purchase based on AICTE norms are taken into consideration and are implemented by IQAC.
- The institution takes all possible steps to expose the students to the practical aspects of their curriculum in order to give them professional orientation through training by external agencies.
- In order to meet the requirement of external agencies/regulatory authorities the emphasis is made on ensuring employability of the students.
- Students are encouraged and mandatorily suggested to do industry training during vacations and choose projects from industry sponsorship and ideas.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The management is conscious of the fact that quality of education and excellence of institution is linked with the quality of teaching and learning.

- The modern teaching learning mechanism introduced includes following
 - Seminars and groups discussions.
 - Advanced lecture methods using audio visual aids.
 - Timely evaluated assignments.
 - Summer training.
 - Arrange remedial classes for weak students.
- Numbers of steps are taken to review these teaching / learning mechanisms
 - Timely feedback from students every semester is collected to ascertain the impact of modern teaching.
 - Review of syllabus completion by HOD every month from academic diary.

Outcome:

- It has really developed a taste of self learning among students and ensured active participation in all academic activities.
- Individual attention to students through mentoring contributes to improvement in students' performance.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders? Any other relevant information regarding Governance Leadership and Management which the college would like to include.

- Parents, alumni, staff, students are involved in major decisions relating to the institution. As a result, the college enjoys support from different segments of the society. In this way institution apart from imparting quality education, contributes towards community development.
- Vision, mission and Quality Assurance polices are displayed on the website of the institute.
- Vision, mission and Quality Assurance polices are printed on academic diary.
- Vision, mission and Quality Assurance polices are displayed at every department using display boards.

Bharati Vidyapeeth is one of the oldest premiere educational association providing quality education and social discipline to the aspiring students all over the country. It has emerged as a leading educational group from past 50 years having overall around 180 institutes spread all over the globe.

CRITERION VII: INNOVATIONS AND BEST PRACTICES**7.1 Environment consciousness****7.1.1 Does the institute conduct Green Audit of its campus and facilities?**

Yes, the institute conducts Green Audit of its campus and facilities. There is extensive plantation carried out on the campus. Sewage generated on campus is treated by using Sewage treatment plant and water obtained from this plant is used for gardening.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?**a) Energy Conservation:**

The architecture of the building ensures maximum natural light and ventilation, thereby minimizing requirement/usage of light. Regular interaction with faculty and staff helps in inculcating the habit of switching off the lights, fans and other electronic gadgets, whenever not required. Energy conserving light i.e. mercury street lamps are replaced by LED street lamps. Ceiling fans on campus are provided with electronic regulator and most of the CRT monitors are replaced by TFT / LCD monitors, which have less electrical power consumption.

b) Use of renewable energy:

To take advantage of natural energy, a solar water heater is installed in hostel.

c) Water Harvesting:

The institute has rainwater harvesting system. There is enough open space, channels to harvest the rainwater and plantation to reduce evaporative loss and soil erosion. There is a tube well in institute premises and owned constructed well.

d) Check dam construction:

There is a check dam in the institute premises. It is constructed at the shallow area in the campus. It results in ground water recharge.

e) Efforts for carbon neutrality:

The architecture of the building ensure maximum natural light and ventilation, this allows high circulation of natural air. The increased green cover has reduced carbon foot- print of the institute campus. There is separate parking of

vehicles for faculties, staffs and students. Yearly, Institute organizes “No Vehicle Day”.

f) Plantation:

The institute has serene green campus consisting of varieties of trees and plants. Plantation program is taken up by the NSS unit every year for increasing greenery in the campus. The NSS unit regularly conducts awareness program on the ban of plastic. Drip irrigation scheme and Sprinklers have been installed within the gardens.

g) Hazardous Waste Management:

All failed batteries in the institute campus are sold to the dealer. Institute does not produce any hazardous waste.

h) E-waste management:

The e-waste is sold for recycling. Damaged C.D's, C.P.U's, Hard disk, monitors, Key Boards, cables, cartridges etc are collected together and handed over to external e-waste recycling agency.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college

To maintain excellence, the institution undergoes continuous innovation for quality improvement in academic programs & administration. Some of the mechanisms adopted are as follows:

Best outgoing student:

For motivating the students and increasing their involvement in the academics and extracurricular activities, best outgoing student award is annually awarded.

Birthday wishes:

Birthday wishes are given by the Principal to every employee. Birthday is celebrated and the name is displayed in the office premises.

Patents:

Institute encourages filling of patents for innovative projects. It also enhances the scientific and technical creativity amongst the faculty, which further leads to a positive contribution to the Research and Development field.

Appreciation of employees:

Every year, institute felicitates the employees for their achievements in academics and other fields.

Modern ICT Tools:

For effective teaching-learning process modern ICT tools such as LCD projector, NPTEL video lectures are provided to the faculty members and students.

Research Activities:

More emphasis is given on research activities and publications of research papers by faculty members and students in different conferences, seminar, and journals. Faculty members are encouraged to pursue higher studies. The institute organizes National level Conference yearly and conducts research events like “CREANTURES”.

Library:

The Library of the institute is updated with Elsevier, Science Direct online journals to give an exposure to our faculty and students to the latest technology. The institute has a separate reference section, two reading halls, a reprographic section and CD section to cater to the needs of the students and faculty. The library is enriched with books, National Journals, magazines and NPTEL lecture series. The OPAC system installed in the library makes circulation of books easier.

Feedback Mechanism:

Students give feedback about the teaching faculty in each semester, after receiving feedback; HOD and Principal take corrective measures.

Water Softener:

Water Softener is installed with electrical doser to supply drinkable water.

ERP System:

The office administration is automatized by ERP system.

7.3 Best Practices

7.3.1. Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

A) Best Practices – I

1) Title of the Practice:

Creation of Awareness among faculty, staff and students about their social responsibility.

2) Goal:

- To develop ethical and moral values among faculties, staff and students.
- To inspire students and faculties for the development of the educationally deprived community.
- To create harmony and peace among the faculties, staff and students.
- To develop emotional quotient and spiritual quotient along with intelligent quotient.

3) The Context:

We are committed to creating engineers having social, ethical and moral values to bring social transformation. The young generation is socially less responsible and it is therefore necessary to bring awareness among them regarding their social responsibilities.

4) The Practice:

- Institute conducts courses and programs on Stress Management.
- Institute conducts the program under National Service Scheme to understand the social responsibilities.
- Institute understands the importance of learning the life skills, organizes co-curricular, cultural programs, industrial visits and conferences to develop interpersonal skill, decision making and value clarification.
- Institute gives installment facility in the institute fee to economically weaker students on case to case basis.
- Institute has a code of conduct for faculty, staff & students.
- Institute provides information about government aids, scholarship etc. to parents and students.
- The departmental library is developed through the donation of books by students and faculty.
- Institute organizes programs for distributing various necessary commodities to Mathoshri Vridhashram, special children school.
- Institute arranges spiritual lectures on different spiritual thoughts.

5) Evidence of success:

- By organizing Blood Donation Camp, Tree Plantation, Environment Protection Rally etc. community activity is promoted in the neighborhood of the institution.

- NSS activities create social and ethical awareness within students.
- Stress management lectures organized are helpful for students and staff for relieving stress and maintain peace.

6) Problems Encountered and resource required:

Problems Encountered

- Visiting villages and convincing them that the institute is working for their betterment is a herculean task.
- The curriculum limits the social activity to some extent.

Resource required

- More resource persons are required for imparting ethical and moral education.

B) Best Practice - II

1) Title of the Practice

Assistance to the economically and socially backward students by fee-concession.

2) Goal

- To motivate the students from economically backward society to take professional education.
- To provide an opportunity for financially backward society in pursuing higher education.

3) The Context

Western Maharashtra is inspired by various great historical and motivated revolutionary personalities like Mahatma Phule, Savitribai Phule, Karmaveer Bhaurao Patil and Rajashree Shahu Maharaj. They have devoted a lot for the educational and social revolution in Maharashtra. Founder of Bharati Vidyapeeth University Honorable Dr. Patangraoji Kadam has followed the same path. He is one of the great visionaries in educational reform in Maharashtra and all over India. Since the foundation of this esteemed educational complex, founder envisions strengthening the economically and socially deprived families in Western Maharashtra as many economically and socially backward families are lagging behind in education. Founder concentrates on this particular society and gives them admission along with fee concession, so that the families would get the social identity through that

student. Along with this fee concession. Bharati Vidyapeeth Pune, also provides jobs to most of the needy persons in Bharati Vidyapeeth on their educational basis.

4) The Practice

Bharati Vidyapeeth is one of the institute in India, which is assisting students from economically and socially backward environment in their admission and fee concession. Under this scheme, students are asked to apply for fee concession along with their relevant documents. Students have to furnish their mark list, income certificate and attendance record from the particular department (branch). They have to fill a form which is especially for the fee concession purpose. These forms are sent to the Bharati Vidyapeeth's Head office, Pune for the final sanction. The committee appointed by Bharati Vidyapeeth addresses all the applied students with their parents. By discussing students' academic progress and parents financial background, proper concession is given in academic fees. Such fee concession report is forwarded by the Bharati Vidyapeeth central administrative office (Bhavan Pune) to the institute Principal.

5) Evidence of success

Many students are getting the benefit of this fee concession scheme since a long time so that students are achieving their goal through the scheme. Some students who availed this facility were selected through campus selection process in various national and multinational industries; some have started their own business while some are working in various academic institutes at higher positions. We can say that this scheme has helped in achieving their goals. This scheme has benefitted the diverse sections of society. This is really a big achievement of the Bharati Vidyapeeth and complies to the motto of Bharati Vidyapeeth "Social Transformation through Dynamic Education"

6) Problems Encountered and Resources Required

Problems Encountered

- Verification of financial condition of parents.
- Scrutinization of the right students.

Resources Required

- Sponsors required for helping talented and poor students.

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

1. **Name of the Department :** Electronics and Telecommunication Engineering
2. **Year of Establishment :** 2001
3. **Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
 U.G.: B.E. - Electronics and Telecommunication Engineering
 P.G.: M.E. - Electronics and Telecommunication Engineering
4. **Names of Interdisciplinary courses and the departments/units involved**

Sr. No.	Class	Interdisciplinary courses	Departments involved
1	F.E.(ETC)	Engineering Mathematics-I	General Engineering
2	F.E.(ETC)	Engineering Physics	General Engineering
3	F.E.(ETC)	Engineering Chemistry	General Engineering
4	F.E.(ETC)	Engineering Mathematics-II	General Engineering
5	F.E.(ETC)	Applied Mechanics	Civil Engineering
6	F.E.(ETC)	Engineering Graphics	Mechanical Engineering
7	F.E.(ETC)	Professional Communication-I	General Engineering
8	F.E.(ETC)	Workshop Practice-I	Mechanical Engineering
9	F.E.(ETC)	Basic Civil Engineering	Civil Engineering
10	F.E.(ETC)	Basic Mechanical Engineering	Mechanical Engineering
11	F.E.(ETC)	Basic Electrical Engineering	General Engineering
12	F.E.(ETC)	Professional Communication-II	General Engineering
13	F.E.(ETC)	Workshop Practice-II	Mechanical Engineering
14	S.E.(ETC)	Engineering Mathematics-III	General Engineering
15	S.E.(ETC)	Environmental Engineering	General Engineering
16	T.E.(ETC)	Industrial Management	General Engineering
17	M.E.(ETC)-I	Advance Wireless Communication	Electronics Engineering
		Adhoc and Wireless Sensor Networks	

5. **Annual/ semester/choice based credit system (Programme wise)**
 - a) B.E. - (Electronics and Telecommunication Engineering) - Semester based
 - b) M.E. - (Electronics and Telecommunication Engineering) - Semester based
6. **Participation of the department in the courses offered by Other Departments**

Sr. No.	Programme	Courses offered by other Departments
1	F.E.(Mechanical, Civil, Computer Science and Engineering)	Fundamentals of Electronics and Computer

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
8. Details of courses / programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

Designation	Sanctioned	Filled
Professor	02	01
Associate Professor	06	01
Assistant Professor	16	17

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

U.G.:

Sr. No.	Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. Suhas S. Patil	Ph.D. (ETX.)	Professor & Principal	Image & Signal Processing, Neural Network	26	02
2	Ms. J.K.Patil	M.E. (ETX.) Ph.D. (Pursuing)	Associate Professor & H.O.D.	Image & Signal Processing	18	-
3	Ms. A. H. Tirmare	M.E. (ETX.)	Assistant Professor	Communication, Analog Electronics	14	-
4	Mr. S. S. Pawar	M.E. (ETC) Ph.D. (Pursuing)	Assistant Professor	Embedded System, Signal Processing	13	-
5	Mr. S. B. Jadhav	M.E. (ETX.) Ph.D. (Pursuing)	Assistant Professor	Image Processing, VLSI Design	09	-
6	Ms. P. S. Mali	M.Tech. (ETX.)	Assistant Professor	Neural Network	06	-
7	Mr. R. R. Suryawanshi	M.Tech. (ETX.)	Assistant Professor	Networking and Analog Communication	05	-
8	Mr. P.M. Veeresh	M.Tech. (VLSI Design)	Assistant Professor	VLSI Design	05	-

9	Mr. M. S. Sonawane	M.E.(ETC) Ph.D. (Pursuing)	Assistant Professor	Speech Processing	05	-
10	Mr. V. S. Mandlik	M.Tech. (ETX.)	Assistant Professor	Image Processing	07	-
11	Mr. V. D. Patil	M.E. (ETC)	Assistant Professor	Electronics and Telecomm	07	-
12	Ms. V. V. Khandare	M.E. (ETC)	Assistant Professor	Electronics and Telecomm	09	-
13	Mr. Y. S. Jagdale	M.E. (ETC)	Assistant Professor	Electronics and Telecomm	08	-
14	Mr. K. P. Pawar	M.E.(ETC)	Assistant Professor	Communication	04	-
15	Mr. D. J. Pawar	M.Tech. (ETX.)	Assistant Professor	Embedded and VLSI Design	07	-
16	Mr. U. S. Sagare	M.Tech. (ETX) Ph.D. (Pursuing)	Assistant Professor	Embedded System, Image Processing	04	-
17	Mr. V. M. Patil	M.Tech. (VLSI Design)	Assistant Professor	Video Engineering	04	-
18	Mr. V. Y. Jadhav	M.Tech. (Digital Design)	Assistant Professor	VLSI Design	03	-
19	Ms. S. R. Mohite	M.Tech. (ETX.)	Assistant Professor	Digital & VLSI Electronics	06	-

P.G.:

Sr. No.	Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. Suhas S. Patil	Ph.D. (ETX.)	Professor & Principal	Image & Signal Processing, Neural Network	26	02
2	Ms. J. K. Patil	M.E. (ETX.) Ph.D. (Pursuing)	Associate Professor & H.O.D. ETC	Image & Signal Processing	18	-
3	Dr. K.R. Desai	Ph.D. (ETX.)	Associate Professor & H.O.D. ETX.	Advance Communication	19	-

4	Ms. A. H. Tirmare	M.E. (ETX.)	Assistant Professor	Communication, Analog Electronics	14	-
5	Mr. S. S. Pawar	M.E.(ETC) Ph.D. (Pursuing)	Assistant Professor	Embedded System Signal Processing	13	-
6	Mr. S. B. Jadhav	M.E. (ETX.) Ph.D. (Pursuing)	Assistant Professor	Image Processing VLSI, Digital	09	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary Faculty:

U.G.: Theory: 06% and Practical: 13%

13. Student -Teacher Ratio (Programme wise)

Programmes	2016-17	2015-16	2014-15	2013-14
U.G.	19:1	17:1	19:1	18:1
P.G.	2:1	4:1	6:1	9:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic Support Staff (Technical)	03	03
Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

No. of Faculty with Ph.D.	No. of Faculty with PG (M.Tech / MA/ M.Com /M.Sc/ MBA / MCA)
01	18

16. Number of faculty with ongoing projects from a) National b) International
Funding agencies and grants received:

a) National: Nil

b) International: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University: No

19. Publications :

Publications by faculty members (last 4 years)

Sr.No.	Name of faculty	Number of Publications in peer reviewed(National)	Number of Publications in peer reviewed journals(International)	Number of publications in International data bases*	4 years Citation index	No. of papers with Impact Factor
1	Dr. Suhas S. Patil	02	02	-	-	02
2	Ms. J. K. Patil	09	16	13	118	13
3	Ms. A. H. Tirmare	-	10	10	01	10
4	Mr. S. S. Pawar	05	12	10	01	10
5	Mr. S. B. Jadhav	02	06	04		04
6	Ms. P. S. Mali	-	14	14	02	14
7	Mr. P.M. Veeresh	01	06	06	-	06
8	Mr. R.R. Suryawanshi	01	05	05	14	04
9	Mr. M. S. Sonawane	01	02	02	-	02
10	Mr. V. S. Mandlik	02	05	05	01	03
11	Mr. V. D. Patil	-	06	06	11	05
12	Ms. V. V. Khandare	-	06	06	01	05
13	Mr. U. S. Sagare	-	03	03	-	01
14	Mr. K. P. Pawar	-	02	02	02	02
15	Mr. D. J. Pawar	01	02	02	03	02
16	Mr. Y.S. Jagdale	-	04	04	-	02
17	Ms. S. R. Mohite	-	07	07	13	07
18	Mr. V.Y. Jadhav	-	04	04	-	03
19	Mr. V. M. Patil	-	02	02	-	01
20	Dr. Ms. S. R. Chougule	07	18	18	-	14
21	Ms. R. D. Patil	-	02	02	-	02
22	Ms. R. R. Mahajan	-	02	02	03	02
23	Mr. S. S. Kulkarni	-	03	03	02	03
24	Ms. P. H. Dixit	-	03	03	-	02
25	Ms. R. N. Kulkarni	-	01	01	-	01
26	Mr. S. S. Nagtilak	03	-	-	-	-
27	Mr. S. A. Bhosale	-	01	01	-	-
28	Mr. R. R. Dodake	-	01	01	-	01
29	Mr. R. K. Gurav	-	01	01	-	01
30	Mr. S. S. Patil	-	01	01	-	01

Books with ISBN-ISSN numbers by faculty with details of publishers

Sr. No.	Name of Book	Name of author	ISBN- ISSN number	Publisher and year
1	Linear Integrated circuits	Ms. J. K. Patil	978-93-5164-477-4	Nirali Prakashan Feb.2015
2	A Novel high speed FPGA architecture design for FIR filter	Mr. S. B. Jadhav	978-3-659-66291-1	LAP LAMBERT Academic publishing

20. Areas of consultancy and Income generated :

Sr. No.	Faculty Name	Industry / Consultancy	Title	Year	Duration	Free/ Income
1	Mr. V.S. Mandlik Mr. D. J. Pawar Mr. U. S. Sagare	Shripatrao Chougule Arts & Commerce College, Kotoli, Panhala	Moodle Server Installation	2016	30 th Nov. 2016	Free
2	Ms. V. V. Khandare	Global Network solution, Kolhapur.	Networking	2014-2015	Aug. 2014-July 2015	Free

21. Faculty as members in**a) National committees b) International committees**

Sr. No.	Committees	Name of Faculty
1	<ul style="list-style-type: none"> • Permanent Member of Symbiosis International university, Pune • Elected Member of Institution of Engineer (India), Kolkata Appointed on various Committees of Shivaji University, Kolhapur such as : <ul style="list-style-type: none"> • BOS coordinator of Electronics Engineering • Nominated Member of Senate • Chairman of expert committee for proposed new Engineering college appointment • Member of Scrutiny committee 	Dr. Suhas S. Patil
2	Indian Society for Technical Education (ISTE)	Dr. Suhas S. Patil Ms. J. K. Patil Mr. V S. Mandlik Mr. V. D. Patil Mr. Y. S. Jagdale
3	The Institution of Electronics and Telecommunication Engineers (IETE)	Dr. Suhas S. Patil Mr. V S. Mandlik Mr. V. D. Patil
4	Indian Solidarity Council (ISC)	Mr. S. B. Jadhav
5	International Institute of Education and Management (IIEM)	

c) **Editorial Boards:**

Ms. J.K.Patil, Executive Editor, Journal of Signal and Image Processing.

22. **Student projects**

- a) **Percentage of students who have done in-house projects including interdepartmental/programme: 100%**
- b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: Nil**

23. **Awards / Recognitions received by faculty and students:**

a) **Awards received by faculty**

- 1. Mr. S.B. Jadhav awarded for “Rashtriya Vidya Gaurav Gold Medal Award and “Certificate of Education Excellence” from Indian Solidarity Council (ISC), New Delhi.
- 2. Mr.S.B.Jadhav awarded for “Best Educationist Award” and a “Certificate of Excellence in Education” from International Institute of Business and Management IIBM, New Delhi.
- 3. Ms. J.K.Patil received 2nd Prize in NCETET 2017 conference on “Fuzzy C-means clustering based segmentation of vertebrae in T1-weighted spinal MR images” in the year 2016-17.
- 4. Ms. A. H. Tirmare, Ms. P. S. Mali, Ms. V. V. Khandare, Ms. S. R. Mohite received Best Paper Award for paper entitled “Hand Gesture Controlled Robotic ARM” by International Journal of Advanced and Innovative Research (IJAIR) in year 2016-17.
- 5. Ms. J.K. Patil received 1st prize in NCETET conference on Performance Analysis of Non local Means filtering for denoising MRI images in the year 2014-15.
- 6. Dr. Ms S. R. Chougule awarded for Maximum Paper Publication by Bharati Vidyapeeth's college of Engineering Kolhapur for Electronics and Telecommunication Engineering branch in the year 2014-15.
- 7. Ms. J. K. Patil awarded for Maximum Paper Publication by Bharati Vidyapeeth's college of Engineering Kolhapur for Electronics and Telecommunication Engineering branch in the year 2012-13 and 2014-15.
- 8. Mr. R.R.Suryawanshi & Mr. M.S. Sonawane received 1st prize in NCETET conference on Germicidal ultraviolet LED fixture for Public Waterless Urinals and Washbasins to Control T.B. using Solar PV Panel year 2013-14.

b) **Recognitions of Faculty:**

- Ms. J.K.Patil is recognized reviewer for Multidisciplinary Digital Publishing Institute Journal, Switzerland.
- Mr. S. B. Jadhav is recognized reviewer for Computer and Electronics in Agriculture by Elsevier International Journal 2016.
- Following faculties received P.G. Faculty Recognition from Shivaji University Kolhapur:

Sr. No.	Faculty Name	Recognition	Subject	Degree	Date
1	Dr. Suhas S. Patil	Recognition SU/PGBUTR/RECOG/53/15502	ETC	Ph.D.	11/04/2014
		Recognition SU/PGBUTR/RECOG/67/15387	ETX.	Ph.D.	07/03/2014
		Recognition SU/PG/AFFI/RECOG/0946	ETX.	M.E	21/10/2010
2	Ms. J.K Patil	Recognition SU/PGBUTR/RECOG/94	ETC	M.E	22/10/2011
3	Mr. S.S. Pawar	Recognition SU/PGBUTR/RECOG/173	ETC	M.E	06/04/2013
4	Ms. A.H. Tirmare	Recognition SU/PGBUTR/RECOG/166	ETC	M.E	06/04/2013
5	Mr.S.B.Jadhav	Recognition SU/PGBUTR/RECOG/13402	ETC	M.E	05/03/2015

c) **Awards received by Students (Co curricular)**

Paper Presentation					
Sr. No	Name of Student	Organized by	Title of Paper	Year	Achievement
1	Ms. Nilam Shankar More Ms. Sayali Sanjay Salape Ms. Snehal Sanjay Khot	Bharati Vidyapeeth's College of Engineering Kolhapur	Automatic Hovercraft	NCETET 7 th March 2017	1 st Prize
2	Ms. Rajnandini R. Ghorpade Ms. Aishwarya S. Sadalage Ms. Sayali R. Gaikwad	Sanjeevan Engineering and Technology Institute, Panhala	Plant monitoring using Raspberry PI(IOT)	Parikramaa 2k17	2 nd Prize
3	Ms. Tejaswini Patil	Bharati Vidyapeeth's College of Engineering Kolhapur	Fuzzy C-means clustering based segmentation of vertebrae in T1-weighted spinal MR images	NCETET 7 th March 2017	2 nd Prize

4	Mr. Yuvraj Sawant	Manajiraje Bhosale Technical Campus, UrunIslampur,	Embedded System	28 th Feb. 2015	2 nd Prize
5	Ms. Snehal Bharat Khade	Bharati Vidyapeeth's College of Engineering .Kolhapur	Brain Detection Using K-means Algorithm and It's Area Calculation	1 st March 2015	2 nd Prize
	Ms. Pratiksha Mohan Mane				
6	Ms. Harsha Pawar	Bharati Vidyapeeth's College of Engineering Kolhapur	Performance Analysis of Non local Means filtering for denoising MRI images	NCETET March 2015	1 st Prize
7	Mr. Balraj Moghe	Dr. J. J. Magdum College of Engineering, Jaysingpur	Zigbee Wireless Technology	16 th Feb. 2013	1 st Prize
	Mr. Abhinanadan Dharmadhikari				
8	Mr. Vishwajeet Patil	Bharati Vidyapeeth's College of Engineering Kolhapur	Hybrid microwave Technology for mobile Telecommunication backbone	3 rd Oct.2013	1 st Prize
	Mr. Anand Mahadik				

Project Competition					
Sr. No	Name of Student	Organized by	Name of Event	Year	Achievement
1	Ms. Amruta A. Ghatage	Sharad Institute of Technology, Yadrav	INNOVATION 2K17	March 2017	1 st Prize
	Ms. Shweta B. Jadhav				
	Ms. Diksha R. Kamble				
	Ms. Amruta A. Ghatage	Ashokrao Mane Group Of Institutions, Vathar	E- VISION2K17	March 2017	2 nd Prize
	Ms. Diksha R. Kamble				
	Ms. Amruta A. Ghatage	Dhananjay Mahadev group of institute, Kagal	Zenith 2K17	March2017	1 st Prize
	Ms. Shweta B. Jadhav				
Ms. Diksha R. Kamble					

2	Mr. Ramesh Patil	Dhananjay Mahadik Group of Institutions Kagal	Xecute 2K15	28 th Feb.2015	2 nd Prize
	Mr. Anand Bakare				
	Mr. Sandip Kumbhar T.				
3	Mr. Ramesh Patil	Ashokrao Mane Group Of Institutions, Vathar	Reflex 2K15	6 th March2015	2 nd Prize
	Mr. Anand Bakare				
	Mr. Sandip Kumbhar T.				
4	Mr. Abhinadan Dharmadhikari	Dr. D.Y. Patil College of Engineering Kolhapur	Techno-chem	March ,2014	1 st Prize
	Mr. Mayur Patil				
	Mr. Vaibhav Salokhe				
5	Ms. Shivkanya Banger	D.O.T Shivaji University, Kolhapur	E-FEST Cygnus	March2014	2 nd Prize
	Ms. Tejaswini Gaikwad				
	Ms. Sujata Dadape				

Other Technical Event						
Sr. No	Name of Student	Organized By	Name of Event	Name of Competition	Year	Achievement
1	Mr. Swapnil Pandharpatte	Bharati Vidyapeeth's College of Engineering, Kolhapur	Solar Splash	Creanturous 2K17	March 2017	1 st Prize
	Mr. Vaibhav Magdum					
	Mr. Rajat Merwade					
2	Mr. Tejas M. Koli		Quiz			3 rd Prize
3	Mr. Rhushikesh K. Gurav		Slow Bullet Racing			1 st Prize
4	Mr. Nilesh S. Jadhav	Padmabhooshan Vasandraodada Patil Institute of Technology, Budhgaon	Micro Act	-	March 2017	3 rd Prize
	Mr. Sagar M. Rathod					
5	Mr.Minar.D Devlapurkar	Solman IT Services LLP, Kolhapur	Brain Booster 2K17	Inter college Competition	March 2017	1 st Prize

6	Ms. Priyanka S. Kulkarni	Dhananjay Mahadik Group of Institute	National level paper presentation and technical event	Zenith 2K17	March 2017	2 nd Prize
	Ms. Kaiwalya R. Kulkarni					
7	Mr. Bhushanzade	Padmabhooshan Vasanttraodada Patil Institute of Technology Budhgaon, Sangli	CHESS	VASANT KRIDA MAHOTSA V2K17	2K17	1 st Prize
	Mr. Shailesh Athale					
8	Mr. Kuntay A. Dhadam	SRCM&UNIC	Essay Writing	AIEWE-2016	2016	3 rd Prize
9	Mr. Shreyas Kadam	Rajarambapu Institute of Technology, Sakhrale	ENTHUS E 2K15 (Brain Storm)	-	11 th - 12 th Sept, 2015	2 nd Prize
10	Mr. Ketan Shinde	Rajarambapu Institute of Technology, Sakhrale	ENTHUS E 2K15 (Brain Storm)	-	11 th - 12 th Sept., 2015	2 nd Prize
11	Ms. Swarupa Kadane	Dr. D. Y. Patil College of Engineering, Kolhapur (Under Lead College)	Group Discussion Contest-2015	-	5 th Feb., 2015	1 st Prize
	Mr. Raviraj Thorabole					

d) Awards received by Student (Extra Curricular):

1. Ms. Gayatri S. Salokhe won 1st Prize for Youth Festival (skit) at Shivaji University, Kolhapur for the year 2016-17.
2. Ms. Gayatri S. Salokhe won 2nd Prize for Youth Festival (street play) at Shivaji University, Kolhapur for the year 2016-17.
3. Ms. Gayatri S. Salokhe won 3rd Prize for Youth Festival (Dance) at Shivaji University, Kolhapur, for the year 2016-17.
4. Ms. Madhavi M. Vadam won 3rd Prize for Youth Festival (Dance) at Shivaji University, Kolhapur, for the year 2016-17.
5. Ms. Anuja A. Mane won 3rd Prize for Youth Festival (Dance) at Shivaji University, Kolhapur, for the year 2016-17.

6. Ms. Anuja A. Mane won 3rd Prize for Youth Festival (Mime) at Shivaji University, Kolhapur, for the year 2016-17.
7. Ms. Anuja A. Mane won 1st Prize for Youth Festival (Skit) at Shivaji University, Kolhapur, for the year 2016-17.
8. Ms. Anuja A. Mane won 2nd Prize for Youth Festival (Street Play) at Shivaji University, Kolhapur, for the year 2016-17.
9. Ms. Prashali S. Shinde won 3rd Prize for Youth Festival (Dance) at Shivaji University, Kolhapur, for the year 2016-17.
10. Ms. Pallavi B. Patil won 3rd Prize for Youth Festival (Dance) at Shivaji University, Kolhapur, for the year 2016-17.
11. Ms. Snehal Koli won 3rd Prize for Youth Festival (Dance) at Shivaji University, Kolhapur, for the year 2016-17.
12. Ms. Kasturi Chougale won 3rd Prize for Youth Festival (Dance) at Shivaji University, Kolhapur, for the year 2016-17.
13. Ms. Akshata Patil received award for “BEST WRITER” by Bharati Kala Academy, Pune in Bharatiyam Karandak Mahostav 2015.
14. Ms. Akshata Patil received award as “BEST OUT GOING STUDENT (GIRL)” for the academic year 2014-15.
15. Ms. Anuja Mane received 1st Prize for State Level Youth Festival 2015 (Mime) at Matoshree Bayabai Shreepatrao Kadam Kanya Mahavidyalaya, Kadegaon.
16. Ms. Anuja Mane received 1st Prize for Zonal Youth Festival, 2015(Mime) at Mahaveer Mahavidyalaya, Kolhapur
17. Ms. Anuja Mane received 1st Prize for Zonal Youth Festival, 2015(Monoact) at Mahaveer Mahavidyalaya, Kolhapur.
18. Ms. Gayatri Salokhe received 1st Prize for Zonal Youth Festival, 2015(Monoact) at Mahaveer Mahavidyalaya, Kolhapur.
19. Ms. Pratibha L. Pawar received Bronze Medal from Shivaji University Lead College Engineering cluster Kolhapur, for outstanding performance as best sports women in shot-put for the year 2013-14.
20. Ms. Pratibha L. Pawar received Gold Medal from Shivaji University Lead College Engineering cluster Kolhapur, for outstanding performance as best sports women in Javelin Throw for the year 2013-14.

23. List of eminent academicians and scientists/ visitors to the department:

Year	Name of Academicians /Visitors	Designation	Organization	Purpose of Visit
2016-17	Dr. M.K. Bhanarkar	Professor	Shivaji University Kolhapur	Workshop
	Dr. M.S. Kumbhar	Associate Professor	RIT, Sakhrale	Workshop
	Mr. P. B. Desai	Assistant Professor	AMGOI, Wathar	Workshop
	Ms. Vinaya Kadam	Center Manager	Jet King Networking Institute, Kolhapur	Seminar
	Mr. Chinmay Kalghatgi	Ph.D, Astrophysics	Cardiff University, U.S.A	Expert Lecture
2015-16	Mr. Satyam Gujar	Professor	Shivaji University Kolhapur	Seminar
	Mr. Vinit Kulkarni	Sr. Sales Manager	EIE Project India Pvt.Ltd. Pune	Seminar
	Mr. Amol Patil	Assistant Engineer	EIE Project India Pvt.Ltd. Pune	Seminar
	Ms. Pranali Awati	Asst.Commissioner of Sale Tax Kolhapur	Department of Sale Tax regional zone Kolhapur	Seminar
2014-15	Mr. Vivek Murkute	C.E.O.	Techno field Solution Mumbai	Workshop
	Mr. Waman Joglekar	C.E.O.	Synergy Measurement Private Ltd, Pune	
	Mr. Nilesh Thakre	Executive Engineer	ADCC Infocad, Pune	STTP workshop
	Mr. Santosh Mahagonkar	Director	Nobal Institute of Computer Technology, Belgaum	
	Dr. Sachin Ruikar	Associate Professor	Walchand College of Engineering Sangli	
	Mr. Pranav Lapsivala	Associate Professor	Sarvajanik College of Engineering and Technology, Surat, Gujarat	

2013-14	Mr. Prakash Dudharkar	CEO	Automize Solution Pvt.Ltd Mumbai	STTP workshop
	Mr. Pradip Choudikar	CEO	Automize Solution Pvt.Ltd. Mumbai	
	Mr. Shivaprasad K Tilekar	Associate Professor	S.M. Mahavidyalaya, Akluj	
	Mr. Santosh Mahagavkar	Professor	Nobal Institute of Computer technology, Belgaum	
	Dr. V.S. Bandal	Professor	Govt. College of Engineering, Pune	
	Ms. Kanchan Pujari	Associate Professor	All India Shree Shivaji Memorial College of Engg., Pune	
	Mr. Sachin Bhingare	Trainer	Edgate Technology, Bangalore	Workshop
	Mr. Arjun Haque	Trainer	Edgate Technology, Bangalore	Workshop
	Dr. Y. M. Patil	Professor	KIT, Kolhapur	Special Lecture
	Dr. M. S. Chavan	Professor	PVPIT, Budhgaon	Special Lecture
	Mr. P. B. Ghewari	Professor	AMGOI, Wathar	Special Lecture
	Mr. S. V. Chavan	Professor	KIT, Kolhapur	Special Lecture
	Mr. P. B. Ghewari	Professor	AMGOI, Wathar	Special Lecture
	Dr. S. A. Patil	Professor	DKTE, Ichalkaranji	Special Lecture
	Dr. V. B. Helavi	Principal	Rajaram college, Kolhapur	Special Lecture
	Mr. Kishor. K. Patil	BDE	Just Engineering Pvt. Ltd. Pune	Seminar
	Mr. Pradeep C. Bhaskar	Professor	DOT, Kolhapur	Judge – student paper contest
	Mr. D. G. Chougule	Professor	TKIET, Warnanagar	Judge – student paper contest
	Mr. A.R. Nigvekar	Asso. Professor	KIT, Kolhapur	Judge – student paper contest

24. Seminars/ Conferences/Workshops organized & the source of funding**a) National**

Year	Name of the Seminar/Conference /Workshop	Dates	Source of Funding	Amount Spent in Rs.
2016-17	ISTE approved one week STTP on Recent Trends in Advanced Communication and Embedded Systems	24 th -29 th Dec. 2016	Self	10,000
2014-15	National Conference on Emerging Trends in Engineering and Technology NCETET 2K15	25 th March 2015	Self	1,20,000
	One Day Workshop on RF and Microwave	16 th July 2014	Techno Field Solution	Industry Sponsored
	ISTE approved one week STTP on Advance Network System and Image Processing	6 th -10 th Jan. 2015	Self	37,965
2013-14	Two days workshop on MSP430 16-bit Microcontroller	29 th -30 th Aug. 2013	Lead - College	25,000
	ISTE approved one week STTP on Recent Trends in Communication Engineering and Technology.	15 th -19 th Jan. 2014	Self	28,000

b) International: NIL**25. Student profile programme/course wise**

Year	Name of the Course / program	Applications Received	Selected (Number Admitted including Lateral Entry)	Enrolled		Pass %
				Male	Female	
2016-2017	U.G.	Admission process is governed by DTE rules and regulations.		12	15	N.A.
2015-2016				05	21	90.76
2014-2015				21	28	96.89
2013-2014				30	56	96.19
2016-2017	P.G.			00	02	-
2015-2016				05	09	-
2014-2015				07	05	30
2013-2014				09	09	71

26. Diversity of Students

Year of Admission	Name of the Course	% students from the same State	% of students from other States	% of students from abroad
2016-2017	B.E.	100	-	-
2015-2016		100	-	-
2014-2015		100	-	-
2013-2014		100	-	-
2016-2017	M.E.	100	-	-
2015-2016		100	-	-
2014-2015		100	-	-
2013-2014		100	-	-

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.(APSEB,POWER GRID,NTPC,BHEL,RRB.... ?

Year	GATE	GRE
2013-14	-	01
2015-16	01	-
2016-17	-	02

28. Student Progression

Student Progression	Against % Enrolled			
	2016-2017	2015-2016	2014-2015	2013-2014
UG to PG	02	05	04	07
PG to M.Phil	NA	NA	NA	NA
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	NA	NA	NA	NA
Employed				
• Campus selection	30	27	37	02
• Other than campus recruitment	04	05	11	09
Entrepreneurship/Self-employment	-	-	-	-

29. Details Of Infrastructural Facilities**a. Library****1. Central Library**

Particulars		
Books	Titles	Volumes
U.G.	877	4164
P.G.	86	347
On line Journals		
IEEE Online		64
Elsevier		50
Printed Journals		
National Journals		10

2. Department Library

Particulars		
Books	Titles	Volumes
U.G.	257	734
P.G.	09	32

b. Internet facilities for Staff & Students

- Separate Computers are allocated to each faculty with internet connection.
- All Computer Laboratories in department are supported with Internet Connection.
- Internet capacity: 100 Mbps.
- Wi-Fi Facility is provided.

c. Classrooms with ICT facility

Sr. No.	Room description	Capacity	Room Equipped with
1.	Class Room 46	80	LCD Projector
2.	Class Room 83	80	LCD Projector
3.	Class Room 84	80	LCD Projector
4.	Class Room 92	80	LCD Projector
5.	Seminar Hall	100	LCD Projector, Internet Facility

d. Laboratories

Sr. No.	Laboratory Name	Major Equipments
1	Electronics Devices & Circuit	Function generator, Digital Storage Oscilloscope, Dual Trace CRO
2	Advanced Programming & Network	Matlab , P-IV Computer
3	Project Laboratory	Multisim, Universal IC Programmer, Drilling Machine.
4	Digital & Broadband Communication	ISDN Trainer Kit, Advance fiber optic trainer kit, CVSD trainer kit, PCM & DPCM modulation kit
5	Microprocessor Laboratory	Digital IC tester, Microprocessor & Microcontroller kits.
6	Analog Electronics	DSO 50 MHZ, Function generators 10 MHZ,
7	Embedded System	LPC 2148 based ARM-7 Trainer kit, Xilinx , FPGA trainer kit, PIC kit
8	Research	P-IV PC, Matlab, TMS320C6713 DSP Kit
9	Robotics	Intel I3 PC, Fire bird V2560, Spark V Robot
10	Communication Engineering	Satellite communication trainer kit, Antenna trainer with different antennas, wave & propagation trainer, Radar trainer

11	Advance Communication	Microwave test bench with components , Zigbee trainer, GSM trainer, Bluetooth trainer, WDM trainer, Spectrum analyzer
12	Video Engineering	TV Trainer, CD Trainer, Spectrum analyzer

30. Number of students receiving financial assistance from college, university, government or other agencies

1. Scholarship Details

Category	Number of Students			
	2016-17	2015-16	2014-15	2013-14
SC	29	23	27	26
NT	23	32	34	30
SBC	02	07	15	06
OBC	47	55	62	53
STC/PTC	01	02	00	18
EBC	151	149	00	152

2. Free ship Details

Category	Number of Students			
	2016-17	2015-16	2014-15	2013-14
SC	12	18	27	19
NT	08	11	09	09
SBC	05	03	00	02
OBC	14	10	20	35
STC/PTC	00	02	00	00

3. Fee concession given by founder Hon. Dr. Patangraoji Kadam

Year	2016-2017	2015-2016	2014-2015	2013-2014
No. of Students	In- Progress	16	34	26

31. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Year	Title of the Programme	Special Lecture/ Workshops/ Seminar	Expert Name	Date	No. Benefited
2016-17	STTP workshop on Recent Trends in Communication System	Workshop	Dr. M.K. Bhanarkar	24/12/2016 to 29/12/2016	30
		Workshop	Dr. M.S. Kumbhar		
	Embedded System	Workshop	Mr. P. B. Desai	28/12/2016 to 29/12/2016	108

2015-16	Seminar on Animation Engineering	Seminar	Mr. Satyam Gujar Shivaji University Kolhapur	07/10/2015	140
	Seminar on Atomization	Seminar	Mr. Vinit Kulkarni EIE Project India Pvt.Ltd. Pune	11/02/2015	142
	Seminar on PLC SCADA	Seminar	Mr. Amol Patil EIE Project India Pvt.Ltd. Pune	09/09/2015	142
	Seminar on Aptitude Logic	Seminar	Ms. Aparna Kulkarni	11/01/2016	72
	Seminar on Personality Development	Seminar	Mr. S. M. Nerli	24/09/2015	151
2014-15	Engineering Mathematics	Special Lecture	Mr. S.V. Chavan-Patil	29/09/2014	150
	Microcontroller	Special Lecture	Mr. D.S. Bhangari	01/10/2014	134
	Analog Circuit-I	Special Lecture	Mr. P.B. Ghewari	20/10/2014	150
	Audio-Video Engineering	Special Lecture	Mr. S.M. Patil	13/04/2015	161
	Mobile Communication	Special Lecture	Mr. S.S. Nagtilak	11/04/2015	161
	PLC & SCADA	Seminar	Mr. Pramod Lambe	17/03/2015	134
2013-14	Linear Algebra	Special Lecture	Dr. Y.M. Patil	18/10/2013	18
	Advance Network System	Special Lecture	Dr. M.S. Chavan	19/10/2013	18
	Digital Data Computer N/W	Special Lecture	Mr. P.B. Ghewari	17/10/2013	18
	Engineering Mathematics	Special Lecture	Mr. S.V. Chavan-Patil	18/10/2013	80
	Antenna & Wave Propagation	Special Lecture	Mr. P.B. Ghewari	12/10/2013	148
	VLSI Design	Special Lecture	Dr. S. A. Patil	12/10/2013	148

2013-14	Guideline for UPSC & MPSC Exam	Special Lecture	Dr. V. B. Helavi	27/08/2013	105
	Automation	Seminar	Mr. Kishor K. Patil	20/09/2013	105
	Communication Skill	Special Lecture	Mr. Jayant Nagrale	26/07/2011	70
	Guideline for Project Selection	Special Lecture	Mr. Prakash Dudhalkar	22/07/2011	70
	English Speaking	Seminar	Mr. Shivajirao Patil	06/09/2011	60

33. Teaching Methods Adopted to improve student learning

- Use of traditional teaching aids (chalk, duster etc.) as well as advanced presentation method like LCD Projector.
- Video lectures on various topics from NPTEL, IIT's.
- Use of audio visual aids like power point, charts, modules etc. for effective presentation and understanding of concepts.
- Conduction of special training programs for Advanced Programming Skill and overall Soft Skill Development.
- Motivational lectures to enable student's participation in classroom seminars, group discussions, technical quiz in order to develop analytical and problem solving abilities in them and thereby to improve their presentation skills.
- Access to latest online journals, reference materials and help them to understand the emerging trends in their field of study.
- Provides opportunities to develop creativity by organizing intercollegiate/University/State/National level cultural, technical and sport competitions.
- Arrangement of special coaching for competitive examination such as UPSC, MPSC, GATE, GRE, etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Year	Name of Activity	Venue	Date
2016-17	Tree Plantation Programme	Institute Campus	01/07/2016
	Celebration of World Heart Day	Bharati Vidyapeeth's College of Engineering, Kolhapur	29/09/2016
	Awareness Program on 'Cashless Economy'	Nearby areas of Institute Campus	30/12/2016

	Blood Donation Camp	Bharati Vidyapeeth's College of Engineering, Kolhapur	10/01/2017
	Seminar on Women Empowerment and Health Awareness		11/01/2017
	Campus Cleanness Program		12/01/2017
	NSS Residential Camp	Mouje Sangaon Tal. Kagal, Kolhapur	27/02/2017 to 05/03/2017
2015-16	Health (Eye Check-up) Camp	Bharati Vidyapeeth's College of Engineering, Kolhapur	10/07/2015
	"Aapale Police" Abhiyan		07/10/2015
	One day workshop on PCB Design		20/01/2016
	NSS Residential Camp	Mouje Sangaon Tal. Kagal, Kolhapur	18/02/2016 to 24/02/2016
2014-15	"Aapale Police" Abhiyan	Bharati Vidyapeeth's College of Engineering, Kolhapur	19/07/2014
	DHRUV Training Program		23/07/2014 to 24/08/2014
	One Week Training Program on 'Campus Recruitment'		04/08/2014 to 09/08/2014
	Rakshabandhan and Gifts Distribution	Bal-Sankul Orphanage, Kolhapur	11/08/2014
	Celebration of International Youth Day	Bharati Vidyapeeth's College of Engineering, Kolhapur	12/08/2014
	Seminar on Stress Management & Positive Thinking		22/08/2014
	Blood Donation Camp		08/01/2015
	Cleanness Programme	Area around Rankala Lake, Kolhapur	09/01/2015
	NSS Residential Camp	Kaneriwadi, Kolhapur	16/02/15 to 22/02/15
	One day workshop on PCB Design	Bharati Vidyapeeth's College of Engineering, Kolhapur	04/03/2015
	Woman's Day Celebration		09/03/2015
2013-14	Tree Plantation Programme	Nearby Institute Campus	15/08/2013
	ANTARANG - The Wall Magazine.	Bharati Vidyapeeth's College of Engineering, Kolhapur	03/09/2013
	Awareness Programme on Anti-Ragging and Anti Sexual Harassment		20/09/2013
	Quiz & Debate Competition		28/09/2013
	Blood Donation Camp		10/01/2014
	One day workshop on PCB Design		01/03/2014

35. SWOC analysis of the department and Future plans

Strengths

- Availability of young, dynamic and committed faculty.
- Continuous upgrading of infrastructure facilities.
- Conducive atmosphere for the all round development of the students.

- Well equipped laboratories with advanced equipment.
- Good number of publications.
- High-speed internet facility for students & faculties.

Weaknesses

- Lack of Electronics Industries in surrounding areas.
- Poor communication skills of students at entry level due to rural background.
- Less Scope for Research and Consultancy because of rural background.

Opportunities

- Training and Placement Cell organizes Soft skills training in association with Alumni, grabs the opportunities to raise the employability of the students.
- Continuous faculty development programmes at Institute.
- Availability of adequate Journals.
- Substantial scope for interdisciplinary activity.
- Enhance research activities by implementing innovative ideas.

Challenges

- Quality of student intake is from rural Areas.
- Lack of Local industries.
- Lack of stable human resource.

Future Plans

- To establish centre of excellence in one or more thrust areas of Electronics and Telecommunication Engineering.
- To establish MOUs with National/International, academic/research organizations.
- To establish Research oriented laboratories.
- To apply for external funded research projects with collaboration of government and private organizations.
- To provide more industry relationship by taking real-time Industry Projects.
- To conduct International Conference for the Faculty, Research Scholars and P.G. Students.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- Name of the department:** Computer Science and Engineering
- Year of Establishment:** 2001
- Names of Programmes/ Courses offered:**

S. No.	Programme	Year of Establishment	Degree	Intake
1	Computer Science and Engineering – Shift I	2001-02	B.E. CSE	60
2	Computer Science and Engineering – Shift II	2010-11	B.E. CSE	60
3	Computer Science and Engineering	2014-15	M.E. CSE	18

- Names of Interdisciplinary courses and the departments/units involved**

Sr. No.	Interdisciplinary Course	Department
1	Applied Mathematics	General Engg
2	Microprocessors	Electronics Engg
3	Environmental Studies	General Engg

- Annual/semester/choice based credit system:** Semester Based
- Participation of the department in the courses offered by other departments:** Fundamentals of Electronics and Computers at F.E. level.
- Courses in collaboration with other universities, industries, foreign institutions, etc.:**

Organization	Activity
Global Talent Track, Pune	Data Analytics
Seed InfoTech, Pune	Aptitude and Interview Techniques

- Details of courses/programmes discontinued (if any) with reasons:** BE (Computer Science and Engg) - Shift –II because of odd College timing.
- Number of teaching posts (2016-17)**

U. G.

Post	Sanctioned	Filled
Professor	01	-
Associate Professor	03	-
Assistant Professor	08	06 (Approved), 06 (ADHOC)

P. G.

Post	Sanctioned	Filled
Professor	01	-
Associate Professor	01	-
Assistant Professor	01	-

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. etc.)

Name	Qualification	Designation	Specialization	Experience in Years	Number of Ph.D. students guided for the last 4 Years
Mr. S.B. Takmare	M. Tech CST	Assistant Professor	Database Engineering	10	Nil
Mrs. S.M. Mulla	M. Tech CST	Assistant Professor	Computer Algorithms, Grid Technology	12	Nil
Mr. A.M. Patravale	B.E. CSE	Assistant Professor	Computer Networks	13	Nil
Mr. R. P. Mirajkar	M. Tech CST	Assistant Professor	Compiler Construction	11	Nil
Mr. P. A. Kharade	M. Tech CST	Assistant Professor	Information Security	08	Nil
Mr. S. B. Patil	M. Tech CST	Assistant Professor	Web Technology	08	Nil
Mr. V. U. Patil	M. E. CSE	Assistant Professor	Soft Skills, Networking	05	Nil
Mr. S. U. Kadam	M. Tech CSE	Assistant Professor	Genetic Algorithms	05	Nil
Mr. S. E. Kadam	M. Tech CSE	Assistant Professor	Software Engineering	03	Nil
Ms. R. R. Mudholkar	M. Tech CSE	Assistant Professor	Cryptography, Soft Computing	01	Nil
Ms. U. P. Nalawade	ME CE	Assistant Professor	Database Engineering	06	Nil
Mr. A. E. Mane	ME CSE	Assistant Professor	Computer Network, Data Mining	01	Nil
Ms. B. G. Patil	ME (Appearing)	Assistant Professor	Data Mining, Automata Theory	01	Nil

Ms. G. S. Ghorpade	B.Sc., M.E.M	Assistant Professor	Environmental Science	06	Nil
Mrs. S. S. Dige	M.Sc.	Assistant Professor	Mathematics	13	Nil

11. List of senior visiting faculty:

Name	Qualification	Designation	Specialization	Experience in Years	No. of Ph.D. students guided for the last 4 Years
Nil					

12. Percentage of lectures delivered and practical classes handled (programmewise)

By temporary faculty – 40%

13. Student-Teacher Ratio:

2016-17	2015-16	2014-15	2013-14
15:1	15:1	16:1	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No.	Technical and Administrative staff Sanctioned	Filled
1	04	04

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG.

Sr. No.	Degree	No. of Faculty
1	Ph. D.	Nil
2	Ph. D. Pursuing	00
3	P.G.	11
4	BE	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil****18. Research Centre/ facility recognized by the University: Nil**

19. Publications:**Summary of the Faculty Publication Academic Year wise:**

Academic Year	International Journal	National Journal	International Conference	National Conference	Total
2016-2017	15	0	0	7	22
2015-2016	16	0	0	2	18
2014-2015	15	4	0	7	26
2013-2014	4	2	0	5	11
Total	50	6	0	21	77

20. Areas of consultancy and income generated:

Sr. No.	Consultancy
1	Shivaji University, MCA and M.Sc. Entrance Exams
2	Shivaji University, M. Phil / Ph.D. Entrance Exams
3	Shivaji University, PG Entrance Exam
4	Various MKCL Exams
5	MBA / MCA Entrance Exam, Manipal University Sify Technology
6	Excise Department Exam by Sunbeam Infocom Pvt. Ltd.
7	MLS Department Online Exam by Sunbeam Infocom Pvt. Ltd.
8	RTO Department Online Exam by Sunbeam Infocom Pvt. Ltd.
9	Application Receipt Center, DTE, Mumbai

21. Faculty as members in

- a) National committees
Indian Society for Technical Education – 05
- b) International Committees - NIL
- c) Editorial Boards - NIL

22. Student projects

- a) **Percentage of students who have done in-house projects including interdepartmental/programme**

Year	No. of students enrolled	No. of students doing in house project	Percentage of Students
2016-17	81	81	100 %
2015-16	68	68	100 %
2014-15	80	80	100 %
2013-14	75	75	100 %

- b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies – NIL**

23. Awards/ Recognitions received by faculty and students:

Sr. No.	Name of Faculty	Award	Month & Year
1	Mr. S.B. Takmare	Secured 1 ST Prize in National Conference NCETET 2016-17	March 2017
2	Mr. S.B. Takmare	Secured 1 ST Prize in National Conference NCETET 2015-16	March 2016
3	Mr. S.B. Takmare	Secured 2 nd Prize in National Conference NCETET 2014-15	March 2014
4	Mr. A. B. Chougule	Secured 2 nd Prize in National Conference NCETET 2013-14	February 2014

Student Achievements:

Sr. No.	Name of Student	Award	Month & Year
1	Pooja Baleghate	Secured 1 ST Prize in National Conference NCETET 2016-17	March 2017
2	Trupti Ghatage	Secured 1 ST Prize in National Conference NCETET 2015-16	March 2016
3	Goud Varsha	Paper Publication in IJIR	Feb 2017
4	Kiran G. Mugade	Innovation 2K17 at ADCET, Ashta	March 2017
5	Kiran G. Mugade	Hardware Workshop in Walchand College, Sangli	Oct 2015
6	Archana S Sadamate	Tech-Symposium 2k16, Cyber Knight (Expert), DKTE, Ichalkaranji	Feb 2016
7	Kalekar Gourav K.	Techmanthan 2014-15 National Level MATLAB Workshop, PVPIT, Budhgaon	Sept 2014
8	Vhatkar Pooja & Gajwani Jaya	Paper Publication in IJIRAE	Oct 2014
9	Patil Mayur M.	ACUMEN 2K14 Paper Presentation, D Y P COE, Kolhapur	Mar 2014
10	Kajarekar Ameya G.	TECHNOSPHERE 2K14 Component Hunt, RIT, Sakhrle	Feb 2014
11	Nimkar Ganesh N.	PROEXHIB-2014 Project Competition & Exhibition organized by Asterskills Technologies Pvt. Ltd, Kolhapur,	Feb 2014

24. List of eminent academicians and scientists/ visitors to the department

Sr. No.	Name	Designation
1	Padmashree Mr. Shivram Bhoje	Former Scientist, ISRO
2	Ms. Rucha Pujari	International Chess Champion
3	Ms. Rahi Sarnobat	International Shooter & Olympian
4	Mr. Charudatta Joshi	Chief Editor, B TV, Kolhapur
5	Shri. Mahesh A. Kakade	COE, Shivaji University, Kolhapur
6	Dr. S.K. Shirgave	HOD, IT, DKTE, Ichalkaranji
7	Dr. P.S. Patil	HOD, CSE, KIT, Kolhapur
8	Dr. J.F. Patil	Economist and Columnist
9	Dr. Suhas Raut	Professor, Orchid College of Engineering, Solapur
10	Dr. D.B. Kulkarni	HOD, IT, WCE, Sangli
11	Dr. P.J. Kulkarni	Deputy Director, Walchand College of Engineering, Sangli
12	Mr. Anish Patil	Red Hat, Pune
13	Mr. Sandeep Patil	Avaya, Pune
14	Dr. B.F. Momin	HOD, CSE, WCE Sangli
15	Mr. C J. Awati	PG coordinator, DOT, Shivaji university Kolhapur
16	Mr. Yogesh Babar	Red Hat, Pune

25. Seminars/ Conferences/ Workshops organized**a) National b) International**

Sr. No.	Seminars/ Conferences/ Workshops	Date
1	Two days workshop on Aptitude and Communication Skills	10/02/2017 to 11/02/2017
2	Seminar on Aptitude	4/02/2017 and 6/02/2017
3	Seminar on Linux	10/01/2017
	Android Workshop	04/09/2016
4	Guidance on Programming Languages (C and C++)	27/08/2016
5	Guidance on GATE preparation	27/08/2016
6	Seminar on Big Data and HADOOP	19/08/2016
7	Workshop on Personality development Skills	05/08/2016
8	Workshop on "Digital India: E- Services and Cyber Security"	07/07/2015
9	Workshop on "Socket Programming in Computer Networks"	31/03/2015
10	Seminar on "Basics of Networking"	20/02/2015
11	FDP on "Recent Challenges in Computer Science and Engineering"	04/02/2015 and 05/02/2015

12	Workshop on "PHP: Hypertext Preprocessor"	18/08/2014
13	Seminar on "Project Guidance"	04/08/2014
14	Seminar on "Career Guidance and Personality Development"	02/08/2014
15	Workshop on "Web Technology"	22/03/2014
16	Workshop on "Latex"	06/03/2014
17	STTP on "Advancements in Computer Engineering and Technology"	26/12/2013 to 31/12/2013
18	Workshop on "Java"	08/10/2013
19	Workshop on "Network Engineering"	01/10/2013
20	FDP on "Recent Trends in Computer Science and Engineering and Information Technology"	19/08/2013 and 20/08/2013
21	Workshop on Project Selection and Paper writing	18/07/2013
22	C – Programming Contest C-PRO	14/08/2013, 27/03/2015
23	A workshop on "Being a Good Citizen and Responsibilities towards Society"	07/08/2013

26. Student profile programme/ coursewise: (B.E.)

Shift – I

Name of the Course/ programme	Year	Applications received	Selected	Enrolled		Pass Percentage
				*M	*F	
Computer Science and Engineering	2015 - 16	The admissions were made as per the rules and regulations of Directorate of Technical Education and the affiliating University		30	38	82.35
	2014 - 15			40	40	97.50
	2013 - 14			39	36	94.12
	2012 - 13			38	28	92.18
	2011 - 12			48	30	97.36

Shift – II

Name of the Course/ programme	Year	Applications received	Selected	Enrolled		Pass Percentage
				*M	*F	
Computer Science and Engineering	2015 - 16	The admissions were made as per the rules and regulations of Directorate of Technical Education and the affiliating University		32	38	80.00
	2014 - 15			45	22	92.00
	2013-14			46	19	100

*M=Male *F=Female

27. Diversity of Students:

Name of the Course	Year	%of students from the same state	%of students from other States	%of students from abroad
Computer Science and Engineering	2016 - 17	99 %	1 %	0
	2015 - 16	99 %	1 %	0
	2014 - 15	99 %	1 %	0
	2013 - 14	99 %	1 %	0

28. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil services, Defense services, etc.?

Year	No of Students	Nature of Exam
2016 - 17	1	GATE
	-	GRE / TOEFL
2015 - 16	-	GATE
	-	GRE / TOEFL
2014 - 15	1	GATE
	-	GRE / TOEFL
2013 - 14	1	GATE
	-	GRE / TOEFL

29. Student progression:

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	01	11	-	04
PG to M. Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed	38	35	14	07
Campus selection	11	22	30	65
Other than campus recruitment				
Entrepreneurship/Self-employment	01	02	04	03

30. Details of**Infrastructural****Facilities:****a) Library**

- No of Titles – 220
- No of Journals– 11
- No of Magazines– 14
- IEEE Internet Access via IP

b) Internet facilities for**Staff & Students:**

- Internet Speed – 100 Mbps BSNL 1:1 Leased Line
- Internet facility is provided to every staff of the department in his / her cabin.
- Internet facility for students is available in every laboratory. A special computer center is used to avail internet facility also.
- PG students have separate Research Laboratory where students can browse internet on 20 machines.

c) Class rooms with ICT**facility:**

- Two classrooms in the department are equipped with LCD projectors. The faculties use laptops for giving presentations and providing interactive teaching learning experience.
- A dedicated Seminar hall in the department is equipped with a LCD projector.

d) Laboratories: 08

Lab No.	Name of the Laboratory
1	Computer Networking Laboratory (LAB I)
2	Data Structures Laboratory (LAB II)
3	Web Technology Laboratory (LAB III)
4	Database Engineering Laboratory (LAB IV)
5	System Programming Laboratory (LAB V)
6	Advance Programming Laboratory (LAB VI)
7	Operating System Laboratory (LAB VII)
8	Research Laboratory (PG LAB)

31. Number of students receiving financial assistance from College, University, Government or other agencies

Academic Year	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
No. of Students	205	269	95	121	117	107

32. Details on student enrichment programmes (special lectures/ workshops/ Seminar) with external experts:

Every Year we organize the following events –

- C-PRO: C – Aptitude and Programming Contest

- NCETET – National Conference on Emerging Trends in Engineering & Technology
- NIRMITI – A showcase of student multidisciplinary talent
- PERSONALITY DEVELOPMENT – Special programs to nurture students' personality
- APTITUDE & SOFT SKILL DEVELOPMENT – Seed Infotech Training
- PROJECT COMPETITION – A showcase of final Year projects
- SUBJECT EXPERT LECTURES – Faculty from other Institutions

YEAR 2016 – 17

Sr. No.	Date	Activity	Guest
1	10/02/2017 to 11/02/2017	Two days workshop on Aptitude and Communication Skills	Mr. Amit Yashwant Prabhu, Campus For You , Rajarampuri, Kolhapur
2	6/2/2017	A Seminar on Soft Skills	Ms. Sayali Chavan, Mr Ranjeet Chavan, Solman IT services LLP Shahupuri, Kolhapur
3	4/2/2017	A Seminar on How to do the preparation of Aptitude	Educare Technologies, Kolhapur
4	10/1/2017	A Seminar on Linux	Mr. Yogesh Babar, RedHat, Pune
5	24/09/2016	Donation at AVANI Sanstha, Apat Nagar	--
6	4/9/2016	Teachers day celebration	Dr. J.S. Baagi, Director, DOT, Shivaji University, Kolhapur
7	27/08/2016	A Seminar on Language Preparation (C and C++)	Mr. Sachin B Takmare, Asst Professor BVCOE, Kolhapur
8	27/08/2016	A Seminar on GATE Preparation	Mr. Sagar Patil, Asst Professor BVCOE, Kolhapur
9	19/08/2016	A Seminar on Big Data Hadoop	Mr. Sangram Patil, Software Developer, Computer World, Kolhapur
10	5/8/2016	A Seminar on Personality Development Skills	Mr. Rahul P. Mirajkar, Ass. Prof., BVCOE, Kolhapur
11	23/07/2016	Android App Development Fundamentals	Dhanajay Padalkar, Director, Vishwanet Computers Pvt.Ltd., Kolhapur

YEAR 2015 – 16

Sr. No.	Date	Activity	Guest
1	20/09/2015	Teachers day celebration	Shri. L.R. Nasirabadkar
2	04/09/2015	Android Workshop	Mr. Gopinath Langote, Mr. Mahadev Vyavahare, Mr. Raj Jadhav
3	03/09/2015	Computer Engineering Students Association (CESA) Inauguration	Mr. Indrajeet Deshmukh
4	06/08/2015	Expert lecture on "Pointers in C"	Ms. Akshata Nigade.
5	05/08/2015	A Workshop on "Core Java"	Mr. Mandar Jog
6	29/07/2015	Social Activity - Tree Plantation Activity	-----
7	07/07/2015	A Workshop on "Digital India: E- Services and Cyber Security"	-----

YEAR 2014 – 15

Sr. No.	Date	Activity	Guest
1	31/03/2015	Workshop on "Socket Programming in Computer Networks"	Mr. Tanaji Patil, K.I.T.'s College of Engineering, Kolhapur
2	27/03/2015	C – PRO 2K15: C Aptitude and Programming Contest	Mr. Onkar R. Barve, Shivaji University, Kolhapur & Mr. Sagar Patil
3	25/03/2015	National Conference on Emerging Trends in Engineering & Technology	Dr. Preeti Patil, K.I.T.'s College of Engineering, Kolhapur and Ms. Rohini Varne, Government Polytechnic, Kolhapur
4	20/02/2015	Seminar on "Basics of Networking"	Mr. Anil Wadikar, Vishwanet Computers Pvt. Ltd., Kolhapur & Mr. Potdar
5	04/02/2015 & 05/02/2015	Faculty Development Workshop on "Recent Challenges in Computer Science & Engineering"	Prof. A.S. Patil, K.I.T.'s College of Engineering, Kolhapur and Dr. Mrs. S.R. Chougule, Principal, Bharati Vidyapeeth's College of Engineering, Kolhapur
6	11/01/2015	Rankala Swachata Abhiyan	Dr. Mrs. S.R. Chougule, Principal, Bharati Vidyapeeth's College of Engineering, Kolhapur

7	18/09/2014	Workshop on PHP	Mr. Dhananjay Padalkar, Director, Vishwanet Computers Pvt. Ltd. and Mr. Anil Wadikar Vishwanet Computers Pvt. Ltd., Kolhapur
8	05/09/2014	Teachers Day Function	Shri. Mahesh A. Kakade, Controller of Examinations, Shivaji University, Kolhapur
9	27/08/2014	CESA Inauguration and Fresher's Welcome	Ms. Rucha Pujari, International Chess Player & Women FIDE master winner
10	11/08/2014	Rakshabandhan and Donation to Chetana Vikas Apang Vidhyalaya, Kolhapur	Prof. A.B. Chougule, Head, Department of Computer Science and Engineering
11	04/08/2014	Seminar on Project Guidance	Mr. Amit Sharma, Manager, NIIT, Pune and Mr. Kishor Dhenge, Business Executive, NIIT, Kolhapur
12	02/08/2014	Seminar on Career Guidance and Personality Development	Mr. Prasanna Karmarkar and Mr. O.R. Barve, UGC, Career and Counseling Cell, Shivaji University, Kolhapur

YEAR 2013 – 14

Sr. No.	Date	Activity	Guest
1	22/03/2014	Workshop on Web Technology	Prof. Sagar Sawant from Rajarambapu Institute of Technology, Islampur
2	13/03/2014	International Women's Day – 2014	Dr. Smt. M. S. Padmini, Professor and Head of Department of Education, Shivaji University, Kolhapur. Prof. Mrs. Sadhana Zadbuke
3	06/03/2014	Workshop on "LATEX"	Mr. Yamin Hakim, Assistant Professor, Government College of Engineering, Karad
4	26/12/2013 to 31/12/2013	ISTE- STTP workshop on "Advancements in Computer Engineering and Technology"	Prof. B.D. Jitkar, Chief Guest and Speaker Prof. A.C. Admuthe, Dr. Mrs. S.R. Chougule, Principal
5	08/10/2013	Workshop on Java (Webinar)	IIT Mumbai offered by Spoken Tutorial Project IIT Bombay
6	01/10/2013	Workshop on Network Engineering	Prof. Dilip J. Saini from Satara College of Engineering and Management

7	20/09/2013	Prevention of Sexual Harassment Programme	Mrs. Mangala Patil, Principal, Bharati Vidyapeeth's New Law College, Kolhapur and Mrs. Sadhana Zadbuke
8	05/09/2013	Teachers Day	Shri. J. F. Patil, Retired Professor and Economist, Department of Economics, Shivaji University, Kolhapur
9	19/08/2013 & 20/08/2013	Two Days Faculty Development Programme on "Recent Trends in Computer Science and Information Technology	Padmashree Shri. Shivram Bhoje, Retired Scientist, ISRO and Prof. A.C. Admuthé, Assistant Professor, PG Coordinator RIT, Sakharale
10	15/08/2013	Tree Plantation: A Social Awareness Program	Dr. Mrs. S.R. Chougule, Principal, Bharati Vidyapeeth's College of Engineering, Kolhapur
11	14/08/2013	C-PRO 2013: C Aptitude and Programming Contest	Mr. Nitin D. Bhosale, Senior Software Engineer, GPR Solutions, Kolhapur and Mrs. Geeta M. Kokate, HR Head, GPR Solutions, Kolhapur
12	07/08/2013	CESA Inauguration and Fresher's Welcome	Mr. Charudatta Joshi, Chief Editor, B-News and Ms. Rahi Sarnobat, Ace Shooter and Olympian
13	18/07/2013	Seminar on Guidelines on Project Selection and Paper writing	Prof. A. B. Chougule, Head, Department of Computer Science and Engineering, Bharati Vidyapeeth's College of Engineering, Kolhapur

33. Teaching methods adopted to improve student learning:

Different teaching methods are adopted to improve student learning. Apart from the lecture method, the other methods like Demonstration and Project methods etc., are extensively used in the class room teaching. The following teaching methods are also followed to make teaching more interactive:

- Lecture (L)
 - Lecture-demonstration by teacher.
 - Lecture-demonstration by another instructor(s) from a special field (guest speaker)
 - Video lectures provided by NPTEL
- Multimedia Lectures: Most of the faculty members uses LCD Projector
- Co-operative learning(CL)

- Assignments
- Experiments
- Tutorials
- Group tasks etc.
- Group discussion(GD)
 - Class discussion conducted by teacher
 - Group Discussion among students
 - Debate on current issues by students in class
- Quiz(Q)
 - Quiz competition organized by department
 - Quiz asked by teacher/expert to improve students' skill.
 - Question answering session.
 - Surprised test
- Seminar(S)
 - Seminar presented by students.
 - Students are motivated for attending seminars and workshops in different Colleges
- Lab Visit and Industrial Visit(LV & IV)
- Project and Demo(P&D)
 - Project work distributed among group of students to improve cooperative learning.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Public Awareness Camps
- NSS Camp
- Blood Donation Camp
- Tree Plantation
- Swacha Bharat Abhiyan
- Raksha Bandhan Program for Mentally Challenged Students

35. SWOC analysis of the department and Future plans:

Strength

- Excellent infrastructure and well hardware equipped laboratories with latest configuration computers

- Entire campus under CCTV surveillance
- Well Experienced, qualified and dedicated Faculty
- Good University Results and high Training and Placement Record
- Regular conduct of Co-curricular and Extra-Curricular activities for overall development of students.
- PG Course (M.E.) in Computer Science & Engineering with research laboratory
- Well stacked departmental Library
- Experienced and Dedicated supporting Staff

Weakness

- R & D and Consultancy work in collaboration with national agencies and industries as resource of funding need to be improved.
- Deficiency of Ph. D. qualified faculty

Opportunities

- 24/7 WIFI Facility
- Implementation of project based learning and provide industry oriented training
- Strengthen Alumni relations
- Preparing students for GATE, GRE and government/public sector competitive examinations

Challenges

- Achieving 100% students placement
- Adapting with the constant change in Technology
- Inculcating the importance of Communication and Soft Skills in students

Future Plan

- Promote Faculty for Research & Development work
- Organize more number of Staff training and Development Programs
- Vocational Industrial Training for Students
- Establish Ph.D. Research Center
- Offer Consultancy Services

DEPARTMENT OF MECHANICAL ENGINEERING

1. **Name of the department:** - Mechanical Engineering
2. **Year of Establishment:** - 2006-07
3. **Names of Program/Courses offered (UG, PG, etc.) :-**

Name of Program	Year of establishment
UG (Mechanical Engineering)	2006-07
PG (CAD/CAM/CAE)	2014-15

4. **Names of Inter disciplinary courses and the departments/units involved:**

Sr.No.	Class	Name of Interdisciplinary Course	Department
1	FE Mechanical Engg.	Engineering Mathematics	General Engineering
2	FE Mechanical Engg.	Engg. Physics	
3	FE Mechanical Engg.	Engg. Chemistry	
4	FE Mechanical Engg.	Basic Civil Engg.	Civil Engineering
5	FE Mechanical Engg.	Applied Mechanical Engg.	
6	SE Mechanical Engg.	Environmental Science	General Engineering
7	SE Mechanical Engg.	Engineering Mathematics III	General Engineering
8	SE Mechanical Engg.	Electrical Technology	General Engineering
9	TE Mechanical Engg.	Control Engg.	Electronics Engineering
10	BE Mechanical Engg.	Mechatronics	Electronics Engineering

5. **Annual/semester/choice based credit system (program wise):-**

B.E. (Mechanical Engineering) - Semester based assessment System

6. **Participation of the department in the courses offered by other departments: -**

Sr.No.	Class	Course offered	Department
1	FE Mechanical Engg.	Basic Mechanical Engineering	General Engineering
2	FE Mechanical Engg.	Engineering Graphics	General Engineering
3	FE Mechanical Engg.	Workshop	General Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:- Nil

8. Details of courses/programmes discontinued (if any) with reasons: - Nil

9. Number of teaching posts

Designation	Sanctioned	Filled
Professors	02	Nil
Associate Professors	06	01
Assistant Professors	16	20

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./M.Phil.etc.,)

Sr. No.	Name of Faculty	Qualification	Designation	Specialization	Teaching	Industrial	PhD Guided
1	Mr.S.J. Kadam	M.E.(Mech) Ph.D. Pursuing	Asso.Professor (H.O.D.)	Automobile	17 Years	01 Years	--
2	Mr.J.D. Joshi	M.E.(Design)	Asso. Professor	Fluid Power	29 Years	15 Years	--
3	Mr.A.P. Kadam	M.E.(Mech Power) Ph.D. Pursuing	Asst. Professor	Thermal	17 Years	02 Years	--
4	Mr.P.B. Patole	M. E. (Mech- Prod.) Ph.D. Pursuing	Asst. Professor	Design Production	12 Years	0 Years	--
5	Mr.R.B. Lokapure	M. Tech (Energy Tech) Ph.D. Pursuing	Asst. Professor	Power Engg.	05 Years	11 Years	--
6	Mr.G.J. Pol	M.Tech (Mech-Prod.)	Asst. Professor	Total Quality Management	05 Years	0 Years	--
7	Mr.A.A. Desai	M. Tech (Prod)	Asst. Professor	Metallurgy	05 Years	01 Years	--
8	Mr.S.B. Kamble.	M.Tech (Prod)	Asst. Professor	Manufacturing Engg.	04 Years	03 Years	--
9	Mr.A.R. Jadhav	M.E. (Mech Design) Ph.D. Pursuing	Asst. Professor	Machine Design	06 Years	0 Years	--
10	Mr.A.R. Kharat	M.E. (CAD/CAM/C AE)	Asst. Professor	Finite element Analysis	04 Years	0 Years	--
11	Ms.S.G. Bhosale	M. E. (Mech- Prod.)	Asst. Professor	MQC	06 Years	0 Years	--

12	Mr.M.S. Kulkani	M.Tech (Energy)	Asst. Professor	Fluid Turbo Machines	06 Years	0.9 Years	--
13	Mr.A.V. Patil	M.E. (Machine Design)	Asst. Professor	Theory of M/c	05 Years	01 Years	--
14	Mr.P.D. Rajigre	M. Tech (Mech Design)	Asst. Professor	Machine Design	03 Year	0 Years	--
15	Mr.S.V. Pandit	M.E. (Mech – Prod)	Asst. Professor	Manufacturing Process	04 Years	02 Years	--
16	Mr.M.S. Shinge	M.E. (Mech Prod)	Asst. Professor	Strength of Material	06 Years	08 Years	--
17	Mr.R.S. Mithari	M.E. (Design – Engg)	Asst. Professor	Numerical Method	06 Years	0 Years	--
18	Mr.S.P. Jarag	M.Tech (Energy)	Asst. Professor	Operation Research	04 Years	0 Years	--
19	Mr.K.K. Patil	M. Tech (CAD)	Asst. Professor	Mechanical systemdesign	03 years	0 Years	--
20	Ms.S.K. Darekar	M.Tech (Production)	Asst. Professor	Manufacturing Engg.	02 Years	1.8 Years	--
21	Mr.I.D. Burase	M. Tech (CAD/CAM/C AE)	Asst. Professor	Machine Design	03 Years	0 Years	--

11. List of senior visiting faculty: -

- i) Dr. S.H. Sawant
- ii) Prof. S. M. Pise

12. Percentage of lectures delivered and practical classes handled

(Programme wise) by temporary faculty: -

Sr.No.	Programme	%
1	UG	47 %
2	PG	40 %

13. Student-Teacher Ratio (programme wise):-

Sr.No.	Programme	Ratio
1	UG	16:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:-

Academic support staff	Sanctioned	Filled
Academic Supporting Staff (Technical)	05	06
Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.:-

Ph.D. Registered	05
P.G. Completed	16

16. Number of faculty with ongoing projects from a)National b)International funding agencies and grants received: - Nil**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: - Nil****18. Research Centre/facility recognized by the University: - Nil****19. Publications:**

Sr. No.	Name of faculty	Number of publications in peer reviewed journals (National)		Number of publications in peer reviewed journals (International)		Number of publications in international data bases*	Av. Citation Index	Av. Impact Factor (Paper Count)	Av. Impact Factor (Actual Count) Highest impact factor in bracket
		NJ	NC	IJ	IC				
1	Mr.S.J. Kadam	-	12	22	02	24	27	23	80.39 (6.209)
2	Mr.J.D. Joshi	-	00	01	-	01	00	00	--
3	Mr.A.P. Kadam	-	01	06	01	05	00	05	23.03 (5.169)
4	Mr.P.B. Patole	-	03	06	05	11	00	06	18.2 (4.60)
5	Mr.R.B. Lokapure	-	00	02	-	01	00	01	5.081 (5.081)
6	Mr.G.J. Pol	-	06	08	-	08	03	08	29.99 (6.209)
7	Mr.A.A. Desai	-	01	03	01	03	00	03	5.82 (4.6)
8	Mr.A.R. Jadhav	-	05	07	-	07	02	06	32.038 (6.209)
9	Mr.A.R. Kharat	-	01	08	-	08	19	07	45.6 (9.2286)
10	Mr.S.B. Kamble	-	03	06	-	06	09	07	38.87 (9.2286)
11	Mr.A.V. Patil	-	01	06	-	06	00	05	30.858 (9.2286)
12	Mr.M.S. Shinge	-	03	06	-	06	00	06	29.503 (5.44)
13	Mr.M.S. Kulkarni	-	00	05	-	05	00	05	17.5 (4.164)
14	Mr.R.S. Mithari	-	00	08	-	08	09	06	24.116 (6.209)

15	Ms.S.G. Bhosale	-	00	07	-	07	00	05	21.84 (5.44)
16	Mr.S.V. Pandit	-	06	19	01	19	08	19	84.50 (6.209)
17	Mr.P.D. Rajigare	-	01	04	-	03	00	03	14.901 (5.44)
18	Mr.S.P. Jarag	-	00	04	-	04	00	04	16.6 (4.16)
19	Mr.K.K. Patil	-	02	07	-	07	00	07	35.3 (6.209)
20	Ms.S.K. Darekar	-	01	02	-	02	00	02	5.081 (5.081)
21	Mr.I.D. Buarse	-	00	04	-	04	00	03	24.66 (9.2286)
22	Mr.N.T. Desai	-	01	01	-	01	00	01	4.164 (4.164)
23	Mr.V.S. Kale	-	00	00	-	00	00	00	--
24	Mr.S.T. Ghutukade	-	00	03	-	03	00	02	12.499 (4.164)
25	Mr.A.A. Deshpande	-	00	01	-	01	00	01	--
26	Mr.S.S. Patil	-	00	01	-	01	00	01	4.164 (4.164)
27	Mr.V.B. Nerle	-	00	01	-	01	00	01	4.164 (4.164)
28	Mr.D.B. Powar	-	00	01	-	01	00	01	4.164 (4.164)
29	Mr.V.S. Kengar	-	00	01	-	01	00	01	2.33 (2.33)

20. Areas of consultancy and income generated: -

Sr. No	Name of Company	Title of the Project	Sanctioned order no.	Sanctioned date	Amount Received
1	Ashlesh Enterprises	1)Auto-CAD training Programme to employees	Ash/DM/328	27/10/2015	8500/-
2	Technika Engineers	1) Work Order of sand properties testing	S16/528/17	8/10/2015	5000/-
		2) Process development of engineering component			5000/-
				Total = 10000/-	
3	Prathamesh Enterprises	1) Assembly Line Development	P/1312/243	8/8/2015	7000/-
		1) Checking of			

4	Shriyesh Auto Care	Multi grade oil testing parameters	P/228/143	13/9/2015	400/-
				Total = 6400/-	
5	S.P. Engineers	Hardness testing and microstructure analysis of engineering component	S/28/729	10/7/2014	3000/-

21. Faculty as members in

a) National committees,

Sr.No.	Committees	Name of Faculty
1	Indian Society for Technical Education (ISTE)	1.Mr.S.J.Kadam 2. Mr. J. D.Joshi 3. Mr.A.P.Kadam 4. Mr.P.B.Patole 5.Mr.A.R.Jadhav
2	Members of Institute of Engineer	Mr. J. D. Joshi
3	Chartered Engineer	Mr. J. D. Joshi

b) International Committees: Nil c) Editorial Board: Nil

22. Student projects

A) Percentage of students who have done in-house projects including interdepartmental/Programme: - 35%

B) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies as follows:

Duration Year	Title of the Project	Name of Funding agency	Sanctioned
2016-17	Design and Manufacturing of Semiautomatic Paper Cutting Machine	Organ PC	Industry Sponsored
	Manufacturing Of Segway	Makrand Press	Industry Sponsored
	Reducing Rejection Rate Of Gear Case Cover	Shimpukade Metals. Pvt. Ltd.	Industry Sponsored
	Automated solar powered smart variable pitch seed sowing system with herbicide sprayer	Shree Engineering, Nagthane.	Industry Sponsored
	Experimental Study the effect of electromagnetic Field on performance & Emission Of IC Engine	Rocket Engineering Pvt. Ltd	Industry Sponsored

2016-17	Design and Manufacturing of Automatic Material Handling System for multi-storage Building	Satish Engineering, Gokul Shiragaon MIDC, Kagal	Industry Sponsored
	Design, Development and Manufacturing of Mission Planned Drone	Shimpukade Engineers Pvt. Ltd.	Industry Sponsored
	Design And Fabrication Of CNC Machine	CAD CAM Mantra Institute Kolhapur	Industry Sponsored
	Design and Fabrication of Drip pipe and Plastic mulch paper laying machine	Shree Kshetra Sidhagiri Math Kaneri	Industry Sponsored
	Design and Development of Automatic Semi-Solid Filling Machine	Sweet Gold Jaggery Agro	Industry Sponsored
	Design of bush press fit fixture	Ghatge Patil Industry	Industry Sponsored
	Inbuilt Hydraulic Legs for Automotive Vehicles	Sudin Automobiles, Shivaji Udyamnagar, Kolhapur	Industry Sponsored
	Automatic Coconut Dehusking and Deshelling Machine	SN Engineering Works	Industry Sponsored
	Development Of Dewatering System	Exalt Enviro Consultant	Industry Sponsored
	Development of Magnofan	Sarnaik Transport Company	Industry Sponsored
	Design And Fabrication of Fruit Vegetable Cutting Machine	Kudalkar Engineering Works	Industry Sponsored
	Multioperational Mechanical Machine	Khot Industries, Vasantadada Patil, Industrial Estat Sangali	Industry Sponsored
	Design and Selection Of Automatic Lubrication System For moving parts of two way Drilling And one way Reaming Machine	Samarth Industries, Udyamnagar	Industry Sponsored
	Development of tracking mechanism for cylindrical parabolic collector	Sion Hydropneumatic Shirol MIDC Kolhapur	Industry Sponsored
	Horizontal Axis Electric operated Concrete Mixer	Jagdeep Industries, Kop	Industry Sponsored
	Design And Fabrication Of Manual Rice Transplanter	Ashlesh enterprises , udyam nagar	Industry Sponsored
	Design And Development Of Chaff Cutter Machine	Fortune farm industries, Kandalgaoon.	Industry Sponsored
Design And Fabrication Of Reaper Machine Attachment	Hytech engineering, KOP	Industry Sponsored	

	Electric Propeller Car	Makandar Steel Fabrication, kolhapur	Industry Sponsored
2015-16	Design And Development of electromechanical paver block machine	Shri Sai Metals, Shivaji udyamnagar, Kolhapur	Industry Sponsored
	Design and Develoment of jig for a flanking plate	Amol Castings, Gokul Shiragaon, Kolhapur	Industry Sponsored
	Self Balance Unicycle	Manish Engineering Works, Kolhapur	Industry Sponsored
	Raisin Drying Machine	Ashlesh Enterprises	Industry Sponsored
	Optimization of WEDM process parameter for machining EN31 steels	Able tools, Gokul Shiragaon, MIDC , Kolhapur	Industry Sponsored
	Gasoline electrical hybrid two wheeler	Om Services Vita, Sangali.	Industry Sponsored
	Briquette making machine	K7 Engineers, Chinchwad, Pune	Industry Sponsored
	Compact size box type two wheeler	Jyoti Industires, Gokul Shiragaon, MIDC	Industry Sponsored
	Modular Hydraulic fixture of flange yoke component for U drilling & facing SPM	Samarth Engineering Technology, Kolhapur	Industry Sponsored
	Tracking Of Solar Panel with hydraulic system	Unique automobile Pvt. Ltd. Ayodhya park, kolhapur	Industry Sponsored
	Power operated multi nut opener	Sairam Car Body Repair, Kolhapur	Industry Sponsored
	Working model on Gearless power transmitting system	Shrinkat Steel Traders, Kagal	Industry Sponsored
	Compressed air driven vehicle	Kawade Engineering works, Pvt. Ltd.	Industry Sponsored
2014-15	Design Development of SPM for Automobile Manifold	ED Steel Pvt. Ltd., Shivaji Park, Kolhapur	Industry Sponsored
	Design and development of Hybrid Tricycle	Sachin Spark paints works Kolhapur	Industry Sponsored
	Design and Development of Egg incubation tilting system	Tushar poultry farms, Hatkangale, Kolhapur	Industry Sponsored
	Moisture Reducing machine	Krishna Industry, Gokul Shirgaon.	Industry Sponsored
	Design and Development of Piston ring feeder attachment for duplex grinding machine	Aditya Enterprises, Gokul Shirgaon, Kolhapur	Industry Sponsored
	Design development and mfg of multispindle drilling Head	Trimurti Engineer, Shirol MIDC, Kolhapur	Industry Sponsored

2014-15	Design and Fabrication of Automatic coconut grinding/Shrading machine	Dynamic Industries kagal	Industry Sponsored
	Design and development of seed sowing and sprayer pump using solar power	Sham Fabricator Shivaji Udyamnagar, Kolhapur	Industry Sponsored
	Automatic Wall Painting Robot	Versatile equipment Pvt. Ltd. Gokul Shiragaon, Kolhapur	Industry Sponsored
	5S Implementation	Shark enterprises Gokul Shirgaon, Kolhapur	Industry Sponsored
	Design and Development of Double Spindle Drilling attachment with variable centre distance	Sunita Engineering, Shirol MIDC	Industry Sponsored
	Development of Rice Threshing Machine	Able tools MIDC Gokul Shirgaon	Industry Sponsored
	Design, Fabrication and analsis of groundnut shelling machine	Rahul Enterprises, Gokul Shiragaon, MIDC	Industry Sponsored
	Wire Cutting Machine	Sanman Capacitors Kupwad MIDC, Sangali	Industry Sponsored
	Design of Gating System for Connectign Hinge by traditional and software method	Micrometal Industry, Y P Powar Nagar, Kolhapur	Industry Sponsored
2013-14	Study and analysis of cycle time reduction in foundry process	Mather and Platt ltd	Industry Sponsored
	Design of boring machine for crank boring operation	Menon and Menon Ltd.	Industry Sponsored
	Design and manufacturing of SPM	Padmashree Engineering and maintenance services, Shirol	Industry Sponsored
	Analysis of disc brake using FEM	Sahara Engineering, Gokul Shiragaon	Industry Sponsored
	Unmanned ground vehicle for defense and material handling applications	Ha-Ko Engineering, Mumbai	Industry Sponsored
	Study and analysis of cycle time reduction in foundry process	Mather and Platt ltd	Industry Sponsored

	Upgrading Of Biogas By Using Water Scrubbing Method With Different Packing Materials	Shashwat Oorja Pvt. Ltd.Pune	Industry Sponsored
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23. Awards/Recognitions received by Students:-

Student Academic Achievement						
2016-17						
Sr. No.	Name of event	Organized by	Year	Student Name	Level	Award
1	M.E. CAD/CAM/CAE Final Exam.	Shivaji University, Kolhapur	2017	Jitendra shinde	University	Top Ranker
2	GATE 2017	IIT Roorkee	2017	Aditya Ganpat Desai	National	Qualify (34.29)
3	Jidnyasa 2k17 Project Competition	TKIET, Warnanagar	2017	Waghmare Akash G.	National	First prize
				Suryawanshi Dayanand		
				Patil Priyanka T		
				Khade Shivani Sanjay		
4	Navapravartya 2K17 Project Competition	SantGajanan college of engineering, mahagaon	2017	Waghmare Akash G.	National	Second prize
				Suryawanshi Dayanand		
				Patil Priyanka T		
				Khade Shivani Sanjay		
5	Project Competition	SGI, Atigre, Kplhapur	2017	Patil Sagar	National	First prize
6	Paper Presentation in NCETET 17	Bharati Vidyapeeths college of Engg. Kolhapur	2017	Rajesh Sanjay Desai	National	First Prize
				Vinay Ankush Bhosale		
				Mahadev Bandopant Chougale		
7	Paper Presentation in NCETET 17(UG)	Bharati Vidyapeeths college of Engg. Kolhapur	2017	Sandesh Kadam	National	Second Prize
				Shekhar Sankpal		
8	Paper Presentation in NCETET 17(PG)	Bharati Vidyapeeths college of Engg. Kolhapur	2017	Swanand Dhanawade (UG)	National	First Prize
2015-16						
1	Akruti 2015-16 Autocad	Genesis College of Engineering, Kolhapur	2015-16	Ajinkya Keskar	National	Second Prize

2014-15						
1	Project Model Competition	KIT College of Engineering, Kolhapur	2014-15	Kokare Dhuldev	National	Second Prize
2	Paper Presentation in NCETET 15	Bharati Vidyapeeths college of Engg. Kolhapur	2014-15	Kokare Dhuldev Satpute Omkar	National	First Prize
3	Project Competition	TKIET, Warnanagar	2014-15	Veekesh Kumawat	National	Third Prize

Students Extracurricular activities						
2016-17						
1	Bharatiyam Kala Mahotsav	Bharati Kala Academy, Pune	2017	Abhijit Gautam Khabade	Inter college	First Prize
2	Pioneer 2017, Jumbling Tooling Event	Department of Technology, Kolhapur	2017	Rajesh Desai	National	Second Prize
3	Infinity 2K17, Box cricket	D. Y. Patil College of Engineering, Kolhapur	2017	Satyajit Mahadik	National	Runner up
				Onkar P. Barage		
				Nikhil N. Kumbhar		
4	Infinity 2K17, Assembly	D. Y. Patil College of Engineering, Kolhapur	2017	Sudarshan S. Khopade	National	Third Prize
				Sudarshan S. Khopade		
				Raturaj B. PATil		
5	Solar splash in Creanturous2 017	Bharati Vidyapeeths college of Engg. Kolhapur	2017	Vaibhav Magdum	National	Second Prize
6	Model making in Creanturous2 017	Bharati Vidyapeeths college of Engg. Kolhapur	2017	Akshay Kale	National	First prize
7	Details to assembly in Creanturous2 017	Bharati Vidyapeeths college of Engg. Kolhapur	2017	Sidharth Kamble	National	First prize

8	Details to assembly in Creanturous2017	Bharati Vidyapeeths college of Engg. Kolhapur	2017	Sudarshan Khopade	National	Second Prize
9	Chess	Vasant Krida Mahostav 2K17	2017	Raturaj Bhokare	National	First prize
10	Chess	Vasant Krida Mahostav 2K17	2017	Vinay Bhosale	National	First prize
11	Rifle	10m Pipesight	13/12/2016	Omswaroop Patil	National	17 th Rank
12	Go kart Racing	Nexus Indian Car racing, Pune	27/01/2017 to 29/01/2017	Akshay Bajarang Khot	National	Second Prize
				Mohit Mansing Jadhav		
				Abhishek Ashok Kadbane		
				Dnyaneshwar Suresh Kadolkar		
				Pranal Sudhir Koli		
				Mohanish Maruti Patil		
				Gurunath Sadashiv Patil		
				Sayaji Vijaysinh Ingale		
				Sammed Suresh Kaujalagi		
				Mallikarjun Anappa Lohar		
				Akshay Shivaji Naukudkar		
				KunalJayavantMahekar		
				Vaibhav Jayvant Mahekar		
				Yash Balavant Turmbekar		
Suraj Appasaheb Mali						
Akshay Sanjay Gavandi						
2015-16						
1	Cricket	COE, Pune	2015-16	Pradip Bhurale Satyajeet Mahadik	State	Second Prize
2	Open Chess tournament	Brahman Sabha Karveer	19/07/2015	Raturaj Bhokare	District	5 th Rank
3	Open Chess tournament	Manisha buddhibal mandal, Prakash Awade krida Academy	25/7/2015 to 26/7/2015	Raturaj Bhokare	District	11 th Rank

4	West zonal University chess competition	BAMU	1/10/2015 to 4/10/2015	Raturaj Bhokare	University	Silver Medal
5	Aakar 2K15, Tenalia	Walchand college of engg., Sangli	17 & 18/10/2015	Deepak Pawale	National	Second Prize
6	Aakar 2016, Moves and grooves	SGI, Atigre	12 & 13/2/2016	Abhijit Khabade	National	Second Prize
7	Central youth festival, Mime	Shivaji University	10/9/2015	Abhijit Khabade	Inter College	First prize
8	Bharatiya Kala Mahotsav	Bharati Kala Academy	2015	Abhijit Khabade	Inter College	First prize
9	Bharatiya Kala Mahotsav	Bharati Kala Academy	2015	Abhijit Khabade	Inter College	Second prize
10	Body Building Competition	Kolhapur district body building association	26/01/2015	Rahul Powar	District	Third Prize
11	Body Building Competition	The power health and fitness center	21/08/2015	Rahul Powar	District	First Prize
12	Body Building Competition	The power health and fitness center	21/08/2015	Rahul Powar	District	Best muscular
2014-15						
1	Bharatiya Kala Mahotsav, Miming	Bharati Kala Academy	2014	Abhijit Khabade	Inter College	Second prize
2013-14						
1	West zone Inter university Chess Championship 2013-14	Mahatma PhuleKrishi Vidyapeet, Rahuri	6 January to 9 January 2014	Raturaj N. Bhokare	University	Third Prize
2	Parikrama 14, Mock Campus	Sanjeevan Engg. And Technolog, Institute, Kolhapur	15/03/2014	Pratik Shinde	National	Third Prize
3	Texplore 2k14	KIT college of Engg., Kolhapur	1/10/2014	Dhuldev Kokare	National	Second Prize
4	Mudra 2k14	JJM college of Engg. Jaysingpur	21 & 22 February 2014	Pratik Shinde	National	Second Prize

24. List of eminent academicians and scientists/visitors to the department: -

Sr. No	Name	Designation	Organization
1	Mr. B .S .Shimpukade	Managing Director	Shimpukade Industries.
2	Mr.Varun Jain	Managing Director	GNAT foundry
3	Mr. Chandrakant Jadhav	Managing Director	Jadhav Industries
4	Mr. Raffik Musani	Managing Director	Arm Machine Tools
5	Dr. Amit Savkar	Asst. Professor	University of Connecticut, USA
6	Mr. Gajendra Vasa	Managing Director	Rocket Engineering
7	Mr. Amol Sawant	TEAM LEADER	CAD Centre
8	Mr. B.Y. Kodolkar	Managing Director	Tough Casting Pvt. Ltd
9	Mr. Pranav Abhyankar	Managing Director	Abhyankar Consultancies
10	Mr. Madan Kulkarni	Managing Director	Kala Kruti
11	Dr.S.M.Shendokar	Chairman	Student Chapter IFSI
12	Mr.M.S.Deshmukh	Principal	Bharati Vidyapeeth Polytechnic, Palus

25. Seminars/Conferences/Workshops organized & the source of funding**a) National:-**

Sr. No.	Event Name	Chief Guest	Date	Source of funding
1	Creanturous 2k17	Mr.Madan Kulkarni	20/03/2017	Self Finance
2	National Conference on Emerging Trends in Engineering and Technology 2K17	Dr.S.M.Shendokar Principal (B.V.C.O.E.,Lavale) Mr.P.K.Desai President of ISTE	07/03/2017	Self Finance
3	“SKILL-Mart” Introductory lecture for Piping design and Engg., NDT test for Pressure vessel, Advanced diploma in industrial safety	Mr. Prasad Haibath, Mr. Kalpen Shukla Mr. Mohan Kamat	31/08/2017	Self Finance
4	Institutional Training Program on SAVE FUEL yaani SAVE MONEY Association with PCRA	Prof. M. M. Wagh Dept. of Tech. Shivaji University, KOP	2/07/2017	Self Finance

5	National Conference on Emerging Trends in Engineering and Technology 2K16	Mr.Vishwas Kadam Ex.Head of compliance and Governance (Shell and Oil Company,Brunei) Dr.S.H.Sawant Dean Faculty of Engineering and Technology,SUK	1/03/2016	Self Finance
6	Creanturous 2k15	Mr. B.Y.Kodolkar (Technical Director Tough Casting Pvt.Ltd.) Kolhapur	3/03/2015	Self Finance
7	FDP on ANSYS – analysis software	Mr.S. M.Pise (Asso. Prof.) KITCOEK Mr. Pranav Abhyankar (Director Abhyankar consultancy)	29/01/2015to 30/01/2015	Under lead College
8	Seminar on CAD-CAM Softwares	Mr.Amol Sawant CAD Centre ,Kolhapur	3/08/2013	Self Finance
9	Guest Lecture/Seminar on 'Higher Studies in Foreign Countries'	Dr. Amit Savkar Assistant professor, university of Connecticut, USA	14/01/2013	Self Finance

b)International: Nil

26. Student profile programmed/course wise:

Name of the Course/program	Year	Selected	Enrolled		Pass percentage
			*M	*F	
B.E. (Mechanical)	2016-17	158	133	25	--
	2015-16	127	111	16	100 %
	2014-15	138	131	07	97.14%
	2013-14	114	105	9	96.5 %

*M=Male *F=Female

27. Diversity of Students

Name of the Course	%of students from the same state	Year	% of students	%of students
Mechanical Engg.	100	2016-17	Nil	Nil
	100	2015-16	Nil	Nil
	100	2014-15	Nil	Nil
	100	2013-14	Nil	Nil
	100	2012-13	02	Nil

28. How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services, etc.:-

Examinations	2013-14	2014-15	2015-16	2016-17
GATE	04	--	01	03
Civil services	---	--	--	--
GRE/TOFEL	01	--	01	--
Defense services	---	--	--	--
NET	---	--	--	--
Public Sectors	---	--	--	--

29. Student progression

Student progression	Year	Against % enrolled
UG to PG	2016-17	--
	2015-16	5
	2014-15	5
	2013-14	6
PG to M. Phil	-----	Nil
PG to Ph.D.	-----	Nil
Ph.D. to Post-Doctoral	-----	Nil
Employed • Campus selection	2016-17	--
	2015-16	9.92%
	2014-15	5.75%
	2013-14	7 %
Other than campus recruitment	2016-17	--
	2015-16	90 %
	2014-15	97 %
	2013-14	98 %
Entrepreneurship/Self-employment	-----	2%

30. Details of Infrastructural facilities

- LIBRARY-YES

MAIN LIBRARY DETAILS:

Title	Quantity
No. of Titles	535
No. of Books	3123
No. of International Journal	05
No. of national Journal	09
No. of Magazine	05
Elsevier	275

DEPARTMENT LIBRARY DETAILS:-

Title	Quantity
No. of Books	1058
No. of Projects	94

- Internet facilities for Staff & Students: - Yes
- Wi-Fi facility is provided for student.
- 100 Mbps broad band leased line from BSNL
- Class rooms with ICT facility: - 04
- Laboratories: - Yes (18 Labs.)

31. Number of students receiving financial assistance from college, university, Government or other agencies:-

Financial assistance under scheme	Years	No. Students
Scholarship and Freeship	2016-17	195
	2015-16	58
	2014-15	209
	2013-14	203
EBC	2016-17	161
	2015-16	161
	2014-15	128
	2013-14	125
STC	2016-17	02
	2015-16	04
	2014-15	04
	2013-14	05
PTC	2016-17	02
	2015-16	04
	2014-15	7
	2013-14	9
Handicap	2016-17	00
	2015-16	00
	2014-15	2
	2013-14	1
Minority	2016-17	00
	2015-16	09
	2014-15	02
	2013-14	02
Central	2016-17	00
	2015-16	00
	2014-15	6
	2013-14	Nil
College Level	2016-17	23
	2015-16	20
	2014-15	29
	2013-14	32

32. Details on student enrichment programmes (special lectures/workshops/ Seminar) with external experts:-

• **Guest lecture**

Sr. No	Date	Name	Subject
1	31/08/17	Mr.Prasad Haibath, Mr.Kalpen Shukla Mr.Mohan Kamat	“SKILL-Mart” Introductory lecture for Piping design and engg.,NDT test for Pressure vessel, Advanced diploma in industrial safety
2	2/07/ 2017	Prof.M.M.Wagh Dept. of Tech. Shivaji University, KOP	Institutional Training Program on SAVE FUEL yaani SAVE MONEY Association with PCRA
3	20/01/2017	Prof. V. S. Kale D.Y. Patil College of Engineering and Technology, Kolhapur	Advances in Automotive Industry
4	21/09/2016	Prof. N. T. Mohite D.Y. Patil College of Engineering and Technology ,Kolhapur	Non- Destructive Testing
5	31/08/2016	Mr.Prasad Haibath Mr.Kalpen Shukla Mr.MohanKamat. Smart Skill, Pune.	Piping Design And Engineering NDT Test For Pressure Vessel Industrial Safety
6	17/07/2016	Prof. N. T. Desai KIT's College of Engineering, Kolhapur	Material handling system
7	26/07/2016	Mr. Vibhav Srivastava Public Speaker, Madeeasy Education, Pune	How to prepare for IES GATE &PSU'S
8	5/07/2016	Mr. Rajan Dangare I.G. Computers	Skill Development Program
9	29/01/2016 To 30/01/2016	Mr.S. M.Pise Associate Professor, KIT Kolhapur Mr. Pranav Abhyankar, Director Abhyankar Consultant	Two Days FDP on ANSYS – analysis software
10	12/01/2016	Prof. N. T. Mohite D.Y. Patil College of Engineering and Technology ,Kolhapur	Destructive Testing Methods

11	16/02/2016	Prof. S.V. Kumbhar Sharad Institute Of Technology, College Of Engineering, Yadrav	Strength of Material
12	16/09/2015	Prof. A.S. Katarakar Sanjeevan Engineering & Technology Institute , panhala	JIG FIXTURE DESIGN
13	20/07/2015	Mr.S.Natolikar	Project and Career guidance
14	16/02/2015	Prof. A.S. Katarakar Sanjeevan Engineering & Technology Institute , panhala	Industrial Engineering
15	25/03/2015	Selection of Project	Mr. Umesh C. Jotkar Hind Gear, shiroli MIDC.
16	01/08/2014	Prof.M.M.Wagh Dept. Of Technology, Shivaji University, Kolhapur	Energy Crises
17	04/09/2014	Prof. S.M. Pise K.I.T. Kolhapur	Finite element analysis
18	12/02/2014	Metallurgy	Prof. V.C. Patil Sharad Institute Of Technology, College Of Engineering, Yadrav
19	12/02/2014	Strength of material	Prof. S.V. Kumbhar Sharad Institute Of Technology, College Of Engineering, Yadrav
20	23/01/14	Mr. Pramod Deshmukh	Opportunities in Piping Design
21	14/01/13	Mr. Amit Savkar	Higher Studies in Foreign countries

33. Teaching methods adopted to improve student learning:-

- Organizing Seminars, Technical Quizzes and Model making contests.
- Development of student support material for poor learners and enthusiastic learners.
- Encouraging Mini Projects as a part project method of teaching.
- Formulation of cooperative learning groups to improve peer group interaction.
- Organizing coaching classes for GATE examinations and placement tests.
- Support of Add-on-courses like Pro-E, CATIA and ANSYS to reinforce theoretical learning.
- LCD screen with the Audio and Video Visuals is provided in every class room
- Shows the Documenters on related subject
- Industrial visits and Industrial Experts lectures

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:-

- Public awareness camp
- NSS camp
- By involving students in BLOOD DONATION camp.
- Involving students various Activities related to environment like Tree plantation, Rankala Swachata Abhiyan etc.
- By involving the students in National Festivals.

35. SWOC analysis of the department and Future plans:-

Strengths:

- Good infrastructure in terms of classrooms, Laboratories, Conference Hall.
- Qualified and experienced faculty with good retention and covering the major aspects of Mechanical Engineering.
- Regular conduct of co curricular and extracurricular activities
- Regular Special classes/ expert lectures/ seminar are conducted for students and staff
- Consistent good result of the students.
- Well equipped and spacious laboratories.
- Good interaction with professional bodies

Weaknesses:

- Lack of Industrial research and consultancy
- Inadequate Highly Qualified Faculty (Ph. D).

Opportunities:

- To Develop Centers of Excellence in Upcoming years.
- Strengthen R & D and consultancy activities.
- To introduce the Ph. D. Guidance cell in Department.
- Strengthen Academic Performance of Department.
- Strengthen the Training and placement cell of the Department.

Challenges

- Barriers amongst students in communication and soft skills
- Increasing the industrial base for employments of the students.
- Getting quality Ph. D. faculty for development of the students.

Future Plans

- Planning to establish post graduate programme in the department in the near future for the benefit of the students of rural background.
- To enhance industry institute interaction to attract leading MNC's to conduct campus recruitment.
- To develop excellence in communication skill.
- To develop leadership qualities among the student

DEPARTMENT OF CIVIL ENGINEERING

1. **Name of the department** : Civil Engineering
2. **Year of Establishment** : 2011 – 2012
3. **Names of Programmes / Courses offered (UG, PG, M, Phil., Ph.D. Integrated Masters; Integrated Ph.D., etc.):**

Name of the Program	Year of Establishment	Intake
UG (Civil Engineering)	2011-2012	60

4. **Name of Interdisciplinary courses and the departments / units involved :**

Following Interdisciplinary courses are involved in curriculum of programs:

Sr. No.	Name of Interdisciplinary course	Department
1	Engineering Mathematics I,II & III	General Engineering
2	Environment studies	General Engineering

5. **Annual / Semester / Choice based credit system (programme wise) :**

Semester pattern

6. **Participation of the department in the courses offered by other departments :**

Sr. No.	Participative Unit	Department
1	Applied Mechanics	General Engineering
2	Basic Civil Engineering	General Engineering

7. **Courses in collaboration with other universities, industries, foreign institutions etc.:** NA

8. **Details of courses / programmes discontinued (if any) with reasons :** NA

9. **Number of Teaching posts:**

Post	Sanctioned	Filled
Professor	1	0
Associate Professor	3	0
Assistant Professor	8	9

10. **Faculty profile with name, qualification, designation, designation.**

Specialization, (D.Sc. /D.Litt./Ph. D/M. Phil. etc.):

Sr. No	Name	Qualification	Designation	Specialization	Experience (in Years)
1	Mr. V.S. Kadam	DCE, B.E. (Civil) M.E. (Construction & Management), PhD (Pursuing)	HOD & Assistant Professor	Construction & Management	16

2	Mr. S. S. Kotwal	B.E.(Civil), M.E. (Structures)	Assistant Professor	Structures	10
3	Mr. M. M. More	DCE,B.E.(Civil) M.E.(Structures)	Assistant Professor	Structures	4
4	Mr. V. B. Patil	B.E.(Civil) M Tech (Environmental science & Engg)	Assistant Professor	Environmental Science & Engg	7
5	Mr.G.S. Adure	B.E.(Civil) M.E.(Construction & Management)	Assistant Professor	Construction & Management	4
6	Mr. O. K. Chothe	DCE,B.E.(Civil) M.E.(Construction & Management)	Assistant Professor	Construction & Management	4
7	Mr. V. S. Tiware	B.E.(Civil) M.Tech (Construction & Management)	Assistant Professor	Construction & Management	3
8	Mr. A.K. Chorge	BE CIVIL, ME CIVIL(Construction & Management)	Assistant Professor	Construction & Management	2
9	Mr. V. V. Mane	B.E.(Civil), M.E. (Structures)	Assistant Professor	Structures	1

11. List of senior visiting faculty:

Sr. No.	Name of visiting faculty	Qualification	Experience
1	Mr. Sushant Salunkhe	Msc(Geology)	03
2	Mr. S.S. Kumbhar	ME CIVIL(Construction & Management), Phd Pursuing	05

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Program	%
UG	47

13. Student Teacher Ratio (Programme wise):

Academic	2016-17
STR for UG	24.67

14. Number of academic support staff (technical) and administrative staff sanctioned and filled

Type of staff	Sanctioned	Filled
Support Staff (technical)	03	03
Administrative staff	01	01

15. Qualification of teaching faculty with D.Sc./D.Lit/Ph.D./M.Phil/PG.

Qualification	Ph.D. Completed	Ph.D. Pursuing	PG Completed
No. of Faculties	00	01	09

16. Number of faculty with ongoing projects from a) National
b) International agencies and grants received: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre/facility recognized by the university: NA

19. Publications:

Sr. No.	Name of Faculty	Number of papers published in journals (national/international) by faculty	Number of publications listed in International Database	Monographs	Chapter in Books	Books Edited	Books with ISBN/ISSN numbers with details of publishers	Citation Index	Impact factor	h-index
1	V.S. Kadam	10	--	--		01	--	--	4.19	--
2	S.S. Kotwal	06	--	--	--	--	--	--	5.25	--
3	M.M.More	07	--	--	--	--	--	--	5.44	--
4	V.B. Patil	06	--	--	--	--	--	--	4.081	--
5	G.S. Adure	08	--	--	--	--	--	--	4.41	--
6	O.K. Chothe	06	--	--	--	--	--	--	4.12	--
7	V S Tiware	03	--	--	--	--	--	--	3.8	--
8	A. K. Chorage	02	--	--	--	--	--	--	--	--
9	V. V. Mane	01	--	--	--	--	--	--	--	--
10	P. A. Nadgauda	01	--	--	--	--	--	--	--	--
11	P. P. Desai	01	--	--	--	--	--	--	5.169	--
12	A. R. Patil	01	--	--	--	--	--	--	--	--

20. Areas of consultancy and income generated:

Sr. No.	Area of consultancy	2015-16 (Rs.)
1	Cube Testing	350/-

21. Faculty as members in a) National committees b) International committees c) Editorial Boards:

Sr. No.	Name of National Professional Society	Name of Staff
1	Indian Society for Technical Education, New Delhi	Mr. S.S. Kotwal Mr. G.S. Adure

22. Student Projects:

a) Percentage of students who have done in-house projects including interdepartmental/programme

Year	No of Students enrolled	No of students doing in house project	Percentage of Students
2016-17	78	78	100 %
2015-16	52	52	100 %
2014-15	24	24	100 %

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies - NIL

23. Awards /Recognitions received by faculty and students: Faculty Awards:

Sr. No.	Name of faculty	Event	Year
1	Mr.G.S.Adure	Secured 1st prize at “National Conference on Emerging trends in Engineering And Technology”at Bharati Vidyapeeth College of Engg, Kolhapur	2016-17
2	Mr.V.S. Kadam	Secured 2nd prize at “National Conference on Emerging trends in Engineering And Technology”at Bharati Vidyapeeth College of Engg, Kolhapur	2016-17
3	Mr.M.M. More	Secured 2nd prize at “National Conference on Emerging trends in Engineering And Technology”at Bharati Vidyapeeth College of Engg, Kolhapur	2013-14
4	Mr.G.S. Adure & Mr.A.R. Patil	Secured 3rd prize at “National Conference on Emerging trends in Engineering And Technology”at Bharati Vidyapeeth College of Engg, Kolhapur	2013-14

Student Awards:

Sr. No.	Name of Students	Name of Achievements	Year
1	Mr.Prasad Jadhav	Secured Best Actor Award at Purshotam Karandak 2016, Kolhapur	2016-17
2	Mr.Prasad Jadhav	Best director bharatiyam karandak at Sangli	2016-17
3	Ms. Pranjali B Hajare, Mr. Sumit A Bansode, Ms. Shruti S Bharavase	Secured 1st prize at “National Conference on Emerging trends in Engineering And Technology” at Bharati Vidyapeeth College of Engg, Kolhapur	2016-17

4	Ms. Tejaswini A. Jadhav, Ms.Sayali Belawadikar, Ms.Yogita Rajagolkar, Mr.Sachin Swami	Secured 2ndprize at “National Conference on Emerging trends in Engineering And Technology” at Bharati Vidyapeeth College of Engg, Kolhapur	2016-17
5	Ms. Anupama A. Kadam	Secured 3rdprize at English Elocution At Youth Festival Shivaji University	2015-16
6	Ms. Renuka D. Patange	Secured 2ndprize at Infratech 2K17, Ashokrao mane college of engineering vathar	2015-16
7	Ms. Renuka D. Patange	Secured 1stprize Light weight Concrete cube testing, Sanjeevan Engineering and Technology Institute, Panhala.	2015-16
8	Ms. Anupama A. Kadam	Secured 2ndprize at English Elocution At Youth Festival Shivaji University	2014-15
9	Ms. Renuka D. Patange	Won Gold medal in 400m & Won Bronze medal in 100m athletics at Shivaji university , Kolhapur	2014-15
10	Ms.Anupama A. Kadam	Secured 3rdprize at English Elocution At Youth Festival Shivaji University, Kolhapur	2013-14

24. List of eminent academicians and scientists/ visitors to the department:

Sr. No.	Name	Designation
1	Ar. S. S. Dige	Principal, college of architecture ,Kolhapur
2	Er. A. R. Patil	AEE-I Koyana Project Stage IV
3	Er. D. K.Patil	Maharashtra Jeevan Pradhikaran, Kolhapur.
4	Dr. M. R. Gidde	Professor, Bharati Vidyapeeth Deemed University, College of Engineering, Pune
5	Ar. Rajendra Sawant	President, Architect engineers association, Kolhapur
6	Er. T. Rajkumar	Chief Manager, Dabhol-Benglore gas pipe line project GAIL India Ltd, Mumbai.
7	Mr. M.B. Kumthekar	Principal, Government college of Engineering, Nagpur.

25. Seminars/Conferences /Workshops organized and source of funding:

Year	Workshop	Source of funding
2013-14	Workshop on “Study of Total Station” on April 2014	Self
2014-15	Two days workshop on Foundation course on Staad-pro on 24th& 25th Jan 2015	Under Lead College activity Shivaji University, Kolhapur

26. Student profile programme/course wise:

Name of the Course/programme	Academic Year	Application Received	Selected	Enrolled		Pass percentage
				M	F	
UG- Civil Engineering	2013-14	Admission process is governed by DTE, hence the rules and regulation are followed as per DTE		44	09	NA
	2014-15			41	06	79.16%
	2015-16			36	10	100%
	2016-17			26	07	They are in final year

27. Diversity of students:

Name of Course Year		% of student from same state	% of student from other state	% of student from abroad
UG	2013-14	100	0	0
	2014-15	100	0	0
	2015-16	100	0	0
	2016-17	100	0	0

28. How many students have cleared national and state competitive examination such as NET, SLET, GATE, Civil services etc?

Year	No. of Students	Nature of Exam
2016 - 17	03	GATE
	02	Civil Services
	01	GRE / TOEFL
2015 - 16	Nil	GATE
	02	Civil Services
	Nil	GRE / TOEFL
2014 - 15	Nil	GATE
	01	Civil Services
	Nil	GRE / TOEFL

29. Student progression

Student Progression	Against % enrolled		
	2015-16	2014-15	2013-14
UG to PG	3.84	16.67	NA
PG to Ph.D.	--	--	NA
Employed			
Campus Selection	--	--	NA
Other than campus recruitment	10	50	NA
Entrepreneurship/Self-employment	2.22	10	NA
Government Sector	4.65	11.11	NA

30. Details of Infrastructural facilities**a) Library****I) Central Library**

Branch	No. of Titles	No. of Volumes	Journals (Hard Copy)	Journals (Soft copy)
Civil Engineering	168	989	07	16- Science Direct 09- IEEE

II) Departmental Library

- No. of Reference Books 109

b) Internet facilities for staff and students

- Reliance & BSNL internet connection: 100 Mbps BSNL + 06 Mbps Reliance
- Reliance JIO Wi-fi Routers
- Exclusive computer lab for Civil Department.

c) Class rooms with ICT facility

Branch	No. Class rooms with ICT	Area of classroom
Civil Engineering	01	75 Sq.m.

d) Laboratories

Sr. No.	Name of Lab	Area (in Sq.m.)	Cost (in Rs)
1	Strength of Materials	95	5,02,494/-
2	Surveying	80	7,68,792/-
3	Fluid Mechanics	96	2,75,400/-
4	Engineering Geology	72	51,250/-
5	Computer Center for civil engineering	80	5,11,430/-
6	Concrete Technology	66	6,67,471/-
7	Geotechnical Engineering	92	7,53,017/-
8	Environmental Engineering	127	3,91,117/-
9	Transportation Engineering	72	1,09,751/-
10	Model room	72	1,35,844/-
11	Basic Civil Engineering	80	2,61,035/-
12	Applied Mechanics	72	76,280/-

31. Number of students receiving financial assistance from college, University, government or other agencies

Academic Year	2016-17	2015-16	2014-15	2013-14
No of students	165	163	110	74

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

Sr. No.	Special Lectures/Workshops/Seminar	Name of resource Person
1	A lecture on "Opportunities in the field of Civil Engineering"	Ar. S. S. Dige Principal, college of architecture ,Kolhapur
2	Two days workshop on, "Study of Total Station"	Mr. Rohit Ghatage, ICON Services, Kolhapur
3	A lecture on, "Preparation of MPSC Civil Engineering"	Er. A.R.Patil, Executive Engineer Irrigation dept. Koyana
4	A Seminar on, "Proposed Direct pipe line scheme for Kolhapur City"	Er. D.K.Patil, Maharashtra Jeevan Pradhikaran,
5	A Seminar on, "Competitive & GATE"	Prof.Amit Kharade, GATE FORUM Kolhapur
6	Two days workshop on, "foundation course	Mr. Abhinandan Batakadli Sterling Engineering Services
8	Introduction to Civil Engineering Softwares	Mr. Ashish Shete (Design Engineer, Prescient informatics Kolhapur)
9	Soft skill development	Mr. Hemant Jain (Regional technical Manager, Solapur and Kolhapur zone of Ultratech cement
10	Recent trends concrete technology	Mr. Mahesh Shinde (Technical territory Manager, Ultratech cement
11	Design of water supply scheme for villages	Torase S. P.

33. Teaching methods adopted to improve student learning

- Black Board teaching method.
- LCD/PPT teaching method.
- Tutorial session on subject.
- NPTEL video.
- Learning through Industrial Visit.
- Expert Lectures / Seminars on important topics.
- Seminar based learning.
- Project based learning.

34. Participation in institutional social responsibility (ISR) and External Activities

- Blood donation camp.
- NSS camp.

- Tree Plantation.
- Sharamdanshibir (college campus cleaning campegning)

35. SWOC analysis of the department and Future plans

a) Strengths

- Core stream Branch.
- Dedicated, young & dynamic faculty with good average experience.
- Well equipped laboratories.
- State of the art infrastructure.
- Training Programs for Personality development of students.

b) Weakness

- Need to promote more faculty development programs and training programs for faculty as well as seminars/workshops for students.
- Research Patents deficiency.

c) Opportunities

- Modification and expansion of laboratories.
- Strengthen Consultancy Activities.
- Increase the interaction with industries and institutes.
- Make the department more research oriented.
- Strengthen placement record of the Students.

d) Challenges

- Growing demands from industry regarding gap with respect to curriculum prescribed by University and their needs.
- Need to provide more practical knowledge to the students due to restriction from university curriculum

e) Future Plans

- Improvement in Placements
- To enhance the academic abilities of staff & student
- Promote more research project in the department.
- To sign more MoU's with the industries
- Promote faculties for Ph.D
- To increase consultancy services

DEPARTMENT OF ELECTRONICS ENGINEERING

1. **Name of the Department:** Electronics Engineering
2. **Year of Establishment:** 2006
3. **Names of Programmes / Courses offered (UG PG, M. Phil, Ph.D., Integrated Masters; Integrated Ph. D, etc.)**
U.G: B.E - Electronics Engineering
4. **Names of Interdisciplinary courses and the departments/units involved**

Sr. No.	Class	Interdisciplinary courses	Departments involved
1	FE (ETX)	Engineering Mathematics I	General Engineering
2	FE (ETX)	Engineering Physics	General Engineering
3	FE (ETX)	Engineering Chemistry	General Engineering
4	FE (ETX)	Engineering Mathematics II	General Engineering
5	FE (ETX)	Applied Mechanics	Civil Engineering
6	FE (ETX)	Engineering Graphics	Mechanical Engineering
7	FE (ETX)	Professional Communication - I	General Engineering
8	FE (ETX)	Workshop Practice-I	Mechanical Engineering
9	FE (ETX)	Basic Civil Engineering	Civil Engineering
10	FE (ETX)	Basic Mechanical Engineering	Mechanical Engineering
11	FE (ETX)	Basic Electrical Engineering	General Engineering
12	FE (ETX)	Professional Communication– II	General Engineering
13	FE (ETX)	Workshop Practice-II	Mechanical Engineering
14	SE (ETX)	Engineering Mathematics III	General Engineering
15	SE(ETX)	Environmental Engineering	General Engineering

5. **Annual/ semester/choice based credit system (Programme wise)**
B.E - (Electronics Engineering) - Semester based
6. **Participation of the department in the courses offered by Other Departments**

Sr. No.	Programme	Courses Offered by Other Departments
1	FE (Mechanical, Civil, Computer Science and Engineering)	Fundamentals of Electronics and Computer

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil

9. Number of Teaching posts

Designation	Sanctioned	Filled
Professor	01	00
Associate Professor	02	01
Asst. Professor	09	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr. No.	Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. Students guided for the last 4 years
1.	Dr. K.R. Desai	Ph.D.(ETX)	Associate Professor and HOD	Satellite Communication	19	00
2.	Mr. A. R. Kittur	M. Tech.(ETX) Ph.D.(Pursuing)	Assistant Professor	Analog Circuits	08	00
3.	Mr. V. T. Korishetti	M.E(ETC) Ph.D.(Pursuing)	Assistant Professor	Embedded System	10	00
4.	Mr. V. B. Patil	M. Tech.(ETX)	Assistant Professor	VLSI and Embedded System	05	00
5.	Mr. A. K. Chougule	M. Tech (ETX)	Assistant Professor	VLSI, Digital Communication	03	00

11. List of senior visiting faculty: Nil**12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary Faculty**

U.G: Theory: 34.50 % and Practical: 32.18%

13. Student -Teacher Ratio (Programme wise)

2016-17	2015-16	2014-15	2013-14
21:1	15:1	16:1	17:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Recruited
Academic Support Staff (Technical)	02	02
Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/ D. Litt/ Ph. D/ M Phil/PG.

No. of faculty with D. Sc / D. Litt	No. of Faculty with Ph. D.	No. of Faculty with M. Phil	No. of Faculty with PG (M. Tech / MA/ M. Com /M. Sc/ MBA / MCA)	No. of faculty with UG (B.E./B. Tech)
00	01	00	04	NIL

16. Number of faculty with ongoing projects from a) National b) International Funding agencies and grants received

a. National: Nil

b. International: Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: No

19. Publications

a. Publications by faculty members (last 4 year)

Sr. No.	Name of faculty	Number of publications in peer reviewed (National)		Number of publications in peer, reviewed journals (International)		Number of publications in international data bases*	4yr Citation index	No. of papers with Impact factor
		NJ	NC	IJ	IC			
1	Dr.K.R. Desai	-	2	23	1	17	-	17
2	Mr.A.R. Kittur	-	-	2	-	1	-	2
3	Mr. V. T. Korishetti	-	-	2	-	1	-	1
4	Mr. V. B. Patil	-	-	3	-	3	-	3
5	Mr. A. K. Chougule	-	-	4	-	4	-	4
6	Mr. S. S. Thorat	-	-	1	-	1	-	1
7	Mr. R. R. Ravan	-	1	1	1	1	-	1

8	Ms. S.V. Manjare	-	-	2	-	2	-	2
9	Mr. S. A. Kadam	-	3	1	1	1	-	1
10	Mr. K. V. Patil	-	2	2	-	2	-	2
11	Mr. P. D. Desai	-	-	4	-	1	-	1
12	Ms. D. M. Torgalkar	-	-	1	-	1	-	1
13	Mr. S.S. Gurav	-	-	2	--	2	-	2
14	Mr. S. M. Patil	-	1	1	-	1	-	1

b. Books with ISBN-ISSN numbers by faculty with details of publishers:

Nil

20. Areas of consultancy and Income generated

Sr. No.	Staff Name	Industry / Consultancy	Title	Year	Duration	Free/Income
1	Mr. A. R. Kittur	Pari Engineers, Kolhapur	Multimotor With Synchronize Speed.	2015-16	1 Year	Free
2	Mr. S.S. Thorat	Creative Computer Sales and Services and AMC, Kolhapur	Smart Classroom for Future Generation	2015-16	1 Year	Free
3	Mr. R.R. Ravan	Pioneer Electromatic and Pvt Ltd., Kolhapur	A Wearable Air Bag to Prevent Fall Injuries	2015-16	1 Year	Free
4	Dr. K. R. Desai	Nilai Security System	Implementation of Real Time Web Cam System for Surveillance Monitoring	2013-14	1 Year	Free
5	Mr. V.T. Korishetti	Snehashri Paryavaran Santulan And Society	Zigbee Based Smart Wireless Sensor Network for Monitoring Agriculture Environment	2013-14	1 Year	Free

6	Mr. A. R. Kittur	S.B. Reshellers Pvt. Ltd	LVDT Controlled Smallest Scale Measurement Represented on Bar	2013-14	1 Year	Free
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21. Faculty as members in

a) National committees

Sr. No.	Committee	Name of Faculty
1	Indian Society for Technical Education (ISTE)	Dr. K. R. Desai

b) Editorial Boards:

1. Dr. K.R. Desai, Executive Reviewer, JSWN Sinhgad, Pune
2. Dr. K.R. Desai, Research Project Evaluation (Funding) -Solapur University
3. Dr. K.R. Desai, National Conference paper reviewer (INITET-2017) -Department of Technology, Shivaji University, Kolhapur
4. Dr. K.R. Desai, Post Graduate Conference paper revaluation RIT Sakharale

22. Student projects

- a) Percentage of students who have done in-house projects including interdepartmental/programme: **100%**
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: **Nil**

23. Awards / Recognitions received by faculty and students

a) Awards received by faculty

1. Dr. K. R. Desai received 1st prize in NCETET conference on spatial features extraction using modified LBP year 2016-17.
2. Dr. K. R. Desai and Mr. S. A. Kadam received 2nd prize in NCETET conference year 2013-14.

b) Recognitions of Faculty

Sr. No	Faculty Name	Awards/Recognition	Subject	Degree	Date
1	Dr. K. R. Desai	Recognition SU/PGBUTR/RECOG/95/10726	ETC	M.E.	22/10/2011
2	Dr. K. R. Desai	Recognized as Doctorate	GPS Error	Ph.D.	16/12/2016

c) Awards received by Students (Co-curricular)

Technical Competitions				
Sr. No	Name of Student	Organizer	Event	Achievement
Year 2016-17				
	Nil	-	-	-
Year 2015-16				
1	Mr. Ziauddin Khan	Annasaheb Dange College of Engg., Ashta	Project Competition	2 nd Prize
Year 2014-15				
1	Mr. Ajay Haibatpure, Mr. Suraj Shirke, Mr. Omkar Kamble	Lead college competition held at TKIET, Warananagar	Project Competition	1 st Prize
2	Mr. Ziauddin Khan, Mr. Dhiraj Varape	BIMAT, Kolhapur	Paper Presentation	2 nd Prize
3	Mr. Ziauddin Khan, Mr. Breejesh Patel	KIT, Kolhapur	Project Competition	3 rd Prize
Year 2013-14				
1	Mr. Nitesh Bangale, Mr. Kunal Bisht	Aster Skill Pvt. Ltd.	Project Competition	1 st Prize
2	Ms. Mrudula Dambe, Ms. Anushri Dhavalshankh, Ms. Prajakta Donolikar	Department of Technology, Shivaji University, Kolhapur	Project Competition	2 nd Prize
3	Mr. Jayjitsingh Desai, Mr. Nikhit Shinde	Bharati Vidyapeeth's college of Engg. Kolhapur	National conference	2 nd Prize
Other Competitions				
Sr. No	Name of Student	Prizes	Competitions	
Year 2016-17				
1	Mr. Shripad Patil	2 nd Rank (Street Play)	District Level Youth Festival, Shivaji University, Kolhapur	
2	Mr. Shripad Patil		Central Level Youth Festival, Shivaji University, Kolhapur	

3	Mr. Shripad Patil	3 rd Rank (Folk Dance)	District Level Youth Festival, Shivaji University, Kolhapur
4	Ms. Bhavana Hande		
5	Mr. Shripad Patil	3 rd Rank (Folk Dance)	Central Level Youth Festival, Shivaji University, Kolhapur
6	Ms. Bhavana Hande		
7	Mr. Shripad Patil	1 st Rank (Skit)	District Level Youth Festival, Shivaji University, Kolhapur
8	Ms. Bhavana Hande		
9	Ms. Amruta Chougule	1 st Rank (One Act Play)	Bharatiyam Karandak
10	Mr. Shripad Patil		
11	Ms. Bhavana Hande		
12	Ms. Amruta Chougule	1 st Rank (Skit)	Bharatiyam Karandak
13	Mr. Shripad Patil		
14	Ms. Bhavana Hande		
15	Mr. Shripad Patil	1 st Rank (Skit)	Central Level Youth Festival, Shivaji University, Kolhapur
16	Ms. Bhavana Hande		
17	Ms. Amruta Chougule	1 st (Painting)	Bharatiyam Karandak
Year 2015-16			
1	Ms. Amruta Chougule	3 rd Rank (Skit)	District Level Youth Festival, Shivaji University, Kolhapur
2	Mr. Shripad Patil		
3	Ms. Amruta Chougule	3 rd Rank (Skit)	Central Level Youth Festival, Shivaji University, Kolhapur
4	Mr. Shripad Patil	3 rd Rank (One Act play- "Gara")	District Level Youth Festival, Shivaji University, Kolhapur
5	Mr. Shripad Patil	3 rd Rank (One Act play- "Gara")	Central Level Youth Festival Shivaji University, Kolhapur
6	Ms. Amruta Chougule	3 rd Rank (Dance)	District Level Youth Festival, Shivaji University, Kolhapur

7	Ms. Amruta Chougule	Consolation (Dance)	Central Level Youth Festival, Shivaji University, Kolhapur
8	Ms. Amruta Chougule	3rd Rank (Ekankika)	Purushottam Karandak
9	Ms. Amruta Chougule	Consolation (Street play)	Andh Shraddha Nirmulan
Year 2014-15			
1	Ms. Amruta Chougule	2 nd rank (Shot put)	Lead College
2	Ms. Amruta Chougule	1 st (Mime)	Bharatiyam Karandak
Year 2013-14			
1	Ms. Pooja Magdum Ms. Dhanashree Kankanwade	1 st Prize Lead college volley ball Matches	Sanjeevan College of Engg., Panhala.

24. List of eminent academicians and scientists/ visitors to the department

Year	Name of Academicians /Visitors	Designation	Organization	Purpose of Visit
2016-17	Dr. M.K. Bhanarkar	Professor	Shivaji University, Kolhapur	Workshop
	Dr. M.S. Kumbhar	Associate Professor	RIT, Sakhrle	Workshop
	Prof. P.B. Desai	Assistant Professor	AMGOI, Wither	Workshop
	Mr. Chinmay Kalghatgi	Ph.D., Astrophysics	Cardiff University, U.S. A	Expert Lecture
	Mr. Anish Kshirsagar	Consultant	---	Guest Lecture
	Mr. S.S. Thorat	Assistant Professor	BVCOE, Pune	Guest Lecture
2015-16	Mr. S.A. Kadam	Assistant Professor	BVCOE, Pune	Guest Lecture
	Mr. P. C. Bhaskar	Assistant Professor	DOT, Shivaji University, Kolhapur	Chief Guest for the EESA function
	Mr. Dattaraj Patil, Mr. Abhijit More, Mr. Sunil Jagdale	Industrialist	Flash Electronics, Pune	Alumni
	Mrs. P. P. Kulkarni	Assistant Professor	KIT, Kolhapur	Guest Lecture
	Mr. S. A. Kadam	Assistant Professor	BVCOE, Pune	Guest Lecture

2014-15	Mr. Shukrut Bhandare	M.S.(US)	---	Alumni
	Dr. R.R. Mudholkar	Associate Professor	Shivaji University, Kolhapur	Chief Guest for the EESA function
	Mr. S.V. Vanmore	Assistant Professor	SITCOE, Panhala	Guest Lecture
	Mr. Avadhut Waral	Industrialist	Reliance Communication	Alumni
	Mr. S.B Patil	Assistant Professor	DYPCOE	Judge for PROTRONIX 2K15 (Project Competition)
	Mr. Vijay Patil	Assistant Professor	KITCOE	

25. Seminars/ Conferences/Workshops organized and the source of funding

c) National

Year	Name of the Seminar/Conference /Workshop	Dates	Source of Funding	Amount Spent
2016-17	ISTE approved one week STTP on "Recent Trends in Advanced Communication and Embedded Systems"	24 th -29 th Dec 2016	BVCOEK	10,000/-
2014-15	PROTRONIX 2K15 (Project Competition)	19 th March 2015	BVCOEK	60,000/-
2013-14	VLSI and EMEBEDDED Systems	21 th Sept 2013	Lead - College BVCOEK	18,150/-

26. Student profile programme/course wise:

Year	Name of the Course / program	Applications received	Selected (Number Admitted including Lateral Entry)	Enrolled	
				Male	Female
2013-2014	B.E. (ETX)	Admission process is governed by DTE rules and regulations.		38	20
2014-2015	B.E. (ETX)			41	27
2015-2016	B.E. (ETX)			34	22
2016-2017	B.E. (ETX)			35	31

27. Diversity of Students

Year of Admission	Name of the Course	% students from the same State	% of students from other States	% of students from abroad
2013-2014	B.E. (ETX)	100	-	-
2014-2015	B.E. (ETX)	100	-	-
2015-2016	B.E. (ETX)	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. (APSEB, POWERGRID, NTPC, BHEL, RRB.... ?

Name of the competitive Exam	No of students qualified		
	2014-15	2015-16	2016-17
GATE	-	01	-
GRE	01	-	-

29. Student Progression

Student Progression	Against % Enrolled
UG to PG	Nil
PG to M. Phil	NA
PG to Ph.D.	-
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	33.92
• Other than campus recruitment	Nil
Entrepreneurship/Self-employment	Nil

30. Details of Infrastructural Facilities**a. Internet facilities for Staff and Students**

- Separate Computers are allocated to each faculty with internet connection.

Sr. No	Name of Lab	Name of Lab In-charge	Dead Stock No.	IP Address
1	HOD Cabin	Dr. K. R. Desai	BV/COEK/CM/364/37/2011-12	192.168.50.200
2	Dept. Office	Mr. J. B. Pawar	BV/COEK/CM/319/16/2007-08	192.168.50.196
3	Dept. Library and POWER ELECTRONICS and CONTROL SYSTEM LABORATORY	Mr.A.R. Kittur	BV/COEK/CM/392-26/2013-14	192.168.50.199
4	Digital Electronics Laboratory	Mr.A.R. Kittur	BV/COEK/CM/218/2003-04	192.168.50.201

5	ECAD and AIC Laboratory	Mr. V. T. Korishetti	BV/COEK/CM/300/4/2005-06	192.168.50.198
6	VLSI Programming and Language Laboratory	Mr. A. K. Chougule	BV/COEK/CM/404/45/2014-15	192.168.50.184-195
7	Embedded System Design Laboratory	Mr. V. B. Patil	BV/COEK/ETX/34-2/2009-10	192.168.50.202-214
8	Video Engg. And Communication Laboratory	Mr. A. K. Chougule	BV/COEK/CM/293-19/2004-05	192.168.50.197
9	Electronics Measurement and Instrumentation Lab	Mr. V. B. Patil	-----	-----
10	Project LAB	Mr. V. T. Korishetti	-----	-----

- All Computer Laboratories in department are supported with Internet Connection.

Sr. No.	Name of Lab	No. of Computers	Range of IP Address
1	Embedded System Lab	21	192.168.50.184 - 192.168.50.195
2	VLSI LAB	21	192.168.50.202 - 192.168.50.214

- 10 Mbps leased line from BSNL.
- 06 Mbps Leased Line from Reliance.

b. Classrooms with ICT facility:

Sr. No.	Room description	Capacity	Room Equipped with
1.	Class Room-66	70	LCD Projector
2.	Class Room -67	70	LCD Projector
3.	Seminar Hall	100	LCD Projector

c. Laboratories

Sr. No.	Lab Name	Major Equipment's
1	Embedded System Design Laboratory	MATLAB, Microprocessor and microcontroller kits, ARM 7 Learning kits
2	VLSI Programming and Language Laboratory	MATLAB, Xilinx's, CPLD Trainer kit, Multisim, ORCAD
3	Video Engineering and Communication Laboratory	Color TV trainer kit, Antenna trainer kit, DTH trainer kit, Spectrum Analyzer, Wobbulator
4	Electronics Measurement and Instrumentation Laboratory	Digital storage oscilloscope, Temperature transducer trainer kit, Function generator trainer kit, Bridge trainer kits

5	Power Electronics and Control System Laboratory	Phase Induction motor controller using V/F, Speed controller of 3 phase motor using IGBT, determination of Transfer function of Function generator kit, Feedback of characteristic of DC generator, Digital storage oscilloscope
6	Digital Electronics Laboratory	Digital IC trainer kit
7	ECAD and AIC Laboratory	CRO, Power Supply, Function generator, Digital storage oscilloscope
8	Project LAB	Projects

31. Number of students receiving financial assistance from college, university, government or other agencies

Details of financial Assistance (Fee reimbursement) from Maharashtra State Government. Students admitted here are eligible for getting following Scholarship and Free ship from Government of Maharashtra.

Sources of Scholarship	CFY 2016-17	CFY 2015-16	CFY 2014-15	CFY 2013-14
	No. Of Students	No. Of Students	No. Of Students	No. Of Students
SC/ST/NT/SBC Scholarship	9	7	11	13
SC/ST/NT/SBC Freeship	6	2	5	8
OBC Scholarship	6	7	11	18
OBC Freeship	3	4	5	06
STC/PTC Scholarship	2	2	2	03
EBC Scholarship	48	67	96	92

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Year	Name of Academicians / Visitors	Designation	Organization	Purpose of Visit
2016-17	Dr. M.K. Bhanarkar	Professor	Shivaji University Kolhapur	Workshop 24 th - 29 th Dec 2016
	Dr. M.S. Kumbhar	Associate Professor	RIT, Sakhrale	Workshop 24 th - 29 th Dec 2016
	Prof. P. B. Desai	Assistant Professor	AMGOI, Wathar	Workshop 24 th - 29 th Dec 2016
	Mr. Chinmay Kalghatgi	Ph.D., Astrophysics	Cardiff University, U.S.A	Expert Lecture on 26 th July 2016

	MR. Anish Kshirsagar	Consultant	---	Guest Lecture
	Mr. S.S. Thorat	Assistant Professor	BVCOE, Pune	Guest Lecture
2015-16	Mr. S.A. Kadam	Assistant Professor	BVCOE, Pune	Guest Lecture
	Mr. P. C. Bhaskar	Assistant Professor	DOT, Shivaji University, Kolhapur	Chief Guest for the EESA function
	Mr. Dattaraj Patil, Mr. Abhijit More, Mr. Sunil Jagdale	Industrialist	Flash Electronics, Pune	Alumni
	Mrs. P. P. Kulkarni	Assistant Professor	KIT, Kolhapur	Guest Lecture
	Mr. S. A. Kadam	Assistant Professor	BVCOE, Pune	Guest Lecture
	2014-15	Mr. Shukrut Bhandare	M.S.(US)	---
Dr. R.R. Mudholkar		Associate Professor	Shivaji University, Kolhapur	Chief Guest for the EESA function
Mr. S.V. Vanmore		Assistant Professor	SITCOE, Panhala	Guest Lecture
Mr. Avadhut Waral		Industrialist	Reliance Communication	Alumni
Prof. S.B Patil		Assistant Professor	DYPCOE	Judge for PROTRONIX 2K15 (Project Competition)
Prof. Vijay Patil		Assistant Professor	KITCOE	
Dr. R.K. Kamat		Associate Professor	Shivaji University, Kolhapur	Application oriented lecture on Embedded Systems
2013-14	Mrs. P. P. Kulkarni	Assistant Professor	KIT, Kolhapur	Expert Lecture
	Mr. S. V. Vanmore	Assistant Professor	SITCOE, Panhala	Expert Lecture
	Mr. P. B. Ghewari	Assistant Professor	AMCOE, Vathar	Expert Lecture
	Mr. Mandar Deshpande	Industrialist	GATE Forum	GATE Seminar
	Mr. C. Mahajan and Mr. V. P. Niwane	Industrialist		Workshop on VLSI and Embedded
	Dr. R. R. Mudholkar	Associate Professor	Shivaji University, Kolhapur	Guidance on Fuzzy Logic Systems
	Mr. Ankit Goel	Industrialist		International Youth Day
	Mr. Sukrut Bhandare	Industrialist		Alumni guest lecture

33. Teaching Methods Adopted to improve student learning

- Power point presentations
- OHP in each class
- Debate, Discussions and Seminars
- Weekly tutorial classes for difficult subjects
- Regular industrial visits
- Regular assignment and seminars
- Wall magazine
- Internet facility for all Students
- Arrangement of access to NPTEL in e-library for every student and staff
- Easy notes of each subject
- Regular theory classes.
- Regular practical classes in laboratory as well as in field.
- Extra classes for below average students and Backlog
- Class visit by Principal, H.O.D and senior faculties to assess the teaching standard of junior Faculties and suggestions for improvement if required.
- Licensed Copy of IIT-Video Lectures and Tutorials accessible from Central Library

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Tree Plantation Program by Department Every Year
- Participates in various college level social events like
 - Blood Donation Camp
 - NSS Camp
 - Seminars on Women Empowerment
 - Save Girl Child Rally
 - Seminars and Counseling for Elderly People
 - Food and useful things donation at Chetana Vikas Mandir.

35. SWOC analysis of the department and Future plans

Strength

- Well qualified and experienced staff, committed for teaching and learning process.
- Consistent and good result of final year students

- Fully equipped and furnished labs.
- Adequate books available for students at separate Departmental Library (apart from central College Library facility)

Weakness

- Since it is an upcoming institution the input quality of students is below average which is difficult to make them fit for use.
- No funds from External Consultancy due to less number of Ph.D. completed staff
- No patents obtained

Opportunities

- Different summer training programmers and short term courses are organized.
- Increasing number of students placed in core Electronics companies.
- Different national and International STTP are organized by Department.
- Different funds can be availed by staff for research projects by UGC, or private investors.

Constraints

- Located on outside boundary of city.
- Department need few more year to get more funds from the agencies like DST, AICTE, UGC to upgrade the laboratories at par with developed institute.

Future Plans

- To establish a good industry and alumina interaction so that maximum student should be placed.

DEPARTMENT OF INFORMATION TECHNOLOGY

1. **Name of the department:** Information technology
2. **Year of Establishment:** 2001
3. **Names of programmes/ courses offered (UG, PG, PhD, Integrated Masters, and Integrated PhD etc.):** Under Graduate (UG).
4. **Names of Interdisciplinary courses and the departments/ units involved:** NIL
5. **Annual / Semester / choice based credit system(program wise):** UG semester based
6. **Participation of the department in the courses offered by other departments**

Sr. No.	Interdisciplinary Course	Department
1	Applied Mathematics	General Engineering
2	Microprocessors	Electronics Engineering
3	Environmental Studies	General Engineering

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

8. **Details of courses/ programmes discontinued (if any) with reasons**

From the academic year 2014-15 Information Technology (Shift I) and Information Technology (Shift II) programmes are closed.

9. **Number of teaching posts**

Designation	Sanctioned	Recruited
Professor	01	00
Associate Professor	03	00
Assistant Professor	08	03

10. **Faculty profile with name qualification, designation, specialization, (D.Sc./D.Litt./PhD./M. Phil. etc)**

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D./M.Phil. students guided for last 4 years
Mr. P. A. Patel	M. E. (C.S.E.)	Assistant Professor	Web Technology	12	NIL
Ms. P. B. Pandharbale	M. E. (Comp) Ph.D (Pursuing)	Assistant Professor	Information Retrieval	10	NIL
Ms. P. A. Baleghate	B.E.(I.T), M. E. (C.S.E.) (Pursuing)	Assistant Professor	Computer Networking	0.5	NIL

11. List of Senior Visiting Faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Sr. No.	Programme	Percentage
1	Under Graduate	33%

13. Student teacher ratio: (Programme wise)

Sr. No.	Year	Student Teacher Ratio
1	2016-17	4:1
2	2015-16	7:1
3	2014-15	12:1
4	2013-14	11:1

14. Number of academic support staff (technical) and administrative staff;

Sanctioned and filled:

Designation	Sanctioned	Recruited
Laboratory Assistant	01	01
Clerk	01	01

15. Qualification of teaching faculty with DSc./D.Litt/PhD/M.Phill/PG

Sr. No.	Qualification	Number of Faculty
1	Ph.D	00
2	Post Graduate	02
3	Under Graduate	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental Projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research center / facility recognized by the university: Nil

19. Publications

a. Publications per faculty

Sr. No.	Name of faculty	Number of publications in peer reviewed (National)		Number of publications in peer reviewed journals (International)		Number of publications in international data bases*	4yr Citation in dex	No. of papers with Impact factor
		NJ	NC	IJ	IC			
1	Dr. S. K. Shinde	-	-	05	01	05	-	02
2	Mr. P. A. Patel	-	02	03	-	03	00	03

3	Ms. P. B. Pandharbale	-	-	01	01	01	00	01
4	Mr. V. U. Patil	-	-	03	-	03	-	-
5	Mr. V. D. Chougule	-	-	01	-	01	-	-
6	Mr. P. A. Kharade	-	-	01	-	01	-	-
7	Mr. K. B. Vaydande	-	-	01	-	01	-	-
8	Mr. V. V. Mangave	-	-	02	-	02	-	01
9	Mr. R. S. Kadam	-	-	02	-	02	-	01

**b. Number of papers published in peer reviewed journals
(national/international) by faculty and students**

Sr. No.	IT Department Year	No. of paper published	Number of publication listed in international database	Monographs	Chapters in book	Books edited	Books with ISBN No.	Citation	SNIP	SJR	Impact Factor	H Index
1	2016-17	01	02	-	-	-	-	-	-	-	3.26	1 and 2
2	2015-16	01	01	-	-	-	-	-	-	-	2.76	1 and 2
3	2014-15	08	02	-	-	-	-	-	-	-	3.74	1 and 2
4	2013-14	06	01	-	-	-	-	-	-	-	3.76	1 and 2

20. Area of consultancy and income generated: NIL

21. Faculty as members in

a) National committees

Sr. No.	Name of Faculty	Name of Committee
1	Dr. S. K. Shinde	Life member of Indian Society for Technical Education
2	Mr. P. A. Patel	Life member of Indian Society for Technical Education
3	Ms. P. B. Pandharbale	Life member of Indian Society for Technical Education
4	Mr. R. S. Kadam	Life member of Indian Society for Technical Education
5	Mr. V. U. Patil	Life member of Indian Society for Technical Education
6	Ms. S. S. Maske	Life member of Indian Society for Technical Education

b) **International committees:** Nil

22. Student projects

a. **Percentage of students who have done in-house projects including inter departmental programme.**

Student projects	2012-13	2013-14	2014-15	2015-16	2016-17
Percentage of students who have done in-house projects including inter departmental /programme	100%	100%	100%	100%	100%

b. **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies. :- NIL**

23. Awards/ Recognitions received by faculty and students.

Sr. No	Name of Faculty/ Students	Awards/ recognition Received	Event	Awarded By
Year 2016-17				
1	Mr. Mahesh Shirale	2 nd Prize	National level ZEST Tournament	College of Engineering, Pune
2	Mr. Mahesh Shirale	3 rd Prize	Zonal Tournament	Shivaji University, Kolhapur
Year 2015-16				
1	Mr. Mahesh Shirale	Runner-up	PATANE TROPHY	Kolhapur District Cricket Association
2	Mr. Mahesh Shirale	Runner-up	SONAWANE TROPHY	Kolhapur Sports Association
3	Mr. Mahesh Shirale	Runner-up	ZEST'16 [cricket]	College of Engineering, Pune
Year 2014-15				
1	Ms. Hemangi shinde	1 st winner	Lead college volleyball competition	BVCOE, Kolhapur
2	Ms. Shital More	1 st winner	Lead college volleyball competition	BVCOE, Kolhapur
3	Mr. Namaskar Patil	Pass	Essay writing	Ramchandra mission and UNIC for India and Bhutan
4	Mr. Ashish Karambalkar	2 nd Prize	Group Singing	Bharatiyam 2015 Kadegaon

5	Mr. Mahesh Shirale	Runner-up	Annual Sports	BVCOE, Kolhapur
6	Mr. Mahesh Shirale	Winner	Galli Cricket	Ashokrao Mane Group of Institution Wathar
Year 2013-14				
1	Dr. S. K. Shinde, Ms. S.S. Maske	3 rd Prize	NCETET- 2013	BVCOEK, Kolhapur
2	Mr. Namaskar Patil	1 st Prize	Express Yourself at Mastermind	DYPCET, Kolhapur
3	Ms. Manisha Patil	1 st Prize	Vliber in Visualize Yourself	Vliber Innodesire Solution pvt.ltd
4	Ms. Depika K.S.	1 st Prize	Vliber in Visualize Yourself	Vliber Innodesire Solution pvt.ltd

24. List of eminent academicians and scientists/visitors to the department

Sr. No.	Name of Person	Purpose
1	Dr. S. D. Joshi (B. V. U. COE, Pune)	Speaker: "Recent trends in IT" Speaker: "Project Planning and Implementation"
2	Dr. S. H. Patil (B. V. U. COE, Pune)	Expert talk Series
3	Dr. P. B. Mane (Principal AISSMSIIT, Pune)	Speaker: "A portal for presenting research work"

25. Seminars/Conferences/Workshops organized and the source of funding

a. National

Sr. No.	Name of Conferences/Workshops	Funded By	Amount
1	National Conference on Emerging Trends in Engineering and Technology	Self funded	1,22,613/-

b. International:- Nil

26. Student Profile programme / coursewise

Name of programme/course	Year	Applications received	Selected	Enrolled		Pass Percentage
				M*	F*	
Information Technology	2016-17	Admission process is governed by DTE rules and regulations		-	-	Awaiting
	2015-16			-	-	94%
	2014-15			-	-	96%
	2013-14			-	01	96%

*M=Male *F=Female

27. Diversity of students

Name of the course	Year	% of students from the same state	% of students from other state	% of students from the abroad
Information Technology	2016-17	NA	NA	NA
	2015-16	NA	NA	NA
	2014-15	NA	NA	NA
	2013-14	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? - Nil**29. Student Progression**

Sr. No	Academic Year	Campus Placements	Off Campus Placements	Higher Study	% of students going for Higher studies
1	2016-17	01	-	-	-
2	2015-16	02	01	02	7.69
3	2014-15	02	01	00	00
4	2013-14	04	00	00	00

30. Details of Infrastructural facilities**a. Library Books Available: 2585**

Department Books are available: 90

b. Internet facilities for Staff and Students

- 100 Mbps leased line internet.
- Departmental separate computer labs.
- Each faculty with system and internet facility
- Class rooms with ICT facility: 01
- Laboratories: 04

31. Number of students receiving financial assistance from college, University, government or other agencies

Year	Type of assistance	No. of students
2016-17	Government	05
2015-16	Government	11
2014-15	Government	34
2013-14	Government	58

Year	Type of assistance	No. of students
2016-17	Bharati Vidyapeeth, Pune	00
2015-16	Bharati Vidyapeeth, Pune	01
2014-15	Bharati Vidyapeeth, Pune	07
2013-14	Bharati Vidyapeeth, Pune	09

32. Details on student enrichment programme (special lectures / workshops / seminar) with external experts.

Sr. No.	Name of Program	Expert	Date
1	Expert Lecture on "Cloud Computing"	Prof. T. B. Patil KIT COE, Kolhapur	16/03/2017
2	Seminar on "Big Data and Hadoop"	Prof. A. S. Patil KIT COE, Kolhapur	07/03/2017
3	Expert Lecture on "Project Guidance"	Dr. S. D. Joshi B. V.U. COE, Pune	03/10/2016
4	Exposure of Industry for final year students	Dr. S. H. Patil B. V.U. COE, Pune	02/09/2016
5	Seminar on "Android Technology"	Mr. Ashok Ghatage Earth Logicware Technologies, Kolhapur	11/08/2016
6	Guest Lecture on "Mobile Computing"	Prof. A. S. Patil KIT COE, Kolhapur	16/04/2016
7	Guest Lecture on "Internet Technology"	Prof. T. B. Patil KIT COE, Kolhapur	13/04/2016
8	Seminar on "Android Concepts and Application Development"	Mr. Ajinkya Dixit, Mr. Aditya Joshi Aerobotix Tech Solution, Kolhapur	20/02/2016
9	Inauguration of the ITSA Anniversary and Speech on "Current Trends in IT"	Prof. P. C. Bhaskar DOT SU, Kolhapur	16/09/2015
10	Seminar on "Guidelines for literature review for B.E. projects."	Prof. S. D. Joshi B.V.U. COE, Pune	07/08/2015
11	Seminar on "Recent Trends in IT"	Dr. S. D. Joshi B. V.U COE, Pune	25/07/2015
12	Guest Lecture on "Database Engineering"	Prof. H. P. Khandagale DOT SU, Kolhapur	10/04/2015
13	Guest Lecture on "Distributed Computing"	Prof. A. S. Patil KIT COE, Kolhapur	10/04/2015
14	Guest Lecture on "ANN and GA"	Prof. C. J. Awati DOT SU, Kolhapur	09/04/2015
15	Guest Lecture on "Internet Technology"	Mr. Ajay Kapase KIT COE, Kolhapur	31/03/2015
16	Guest Lecture on "Object Oriented Programming"	Mr. Sagar Sawant RIT Sakharale	28/03/2015

17	Expert Speech on "Current Scenario in Technological Development"	Prof. P. C. Bhaskar DOT SU, Kolhapur	18/09/2014
18	Seminar on "Writing Technical Papers"	Prof. S. D. Joshi B.V.U. COE, Pune	23/01/2014
19	Expert Lecture on "Real Time Operating System"	Dr. S. H. Patil B. V.U. COE, Pune	01/10/2013
20	Seminar on Android Technology	Mr. Ajinkya Dixit Mr. Aditya Joshi Aerobotix Tech Solution, Kolhapur	06/09/2013
21	Expert Lecture on "Research Areas and Literature Survey"	Dr. Shivram Bhoje Senior Scientist Indira Gandhi Center Atomic Research, Kalpkam	19/08/2013

33. Teaching methods adopted to improve student learning

Following techniques and technologies are adopted by the faculties:

- Effective black board teaching
- Experts seminar on important topic
- Tutorial session on subject
- Active and collaborative teaching
- Use of LCD
- Power point/Educational animations presentation
- NPTEL e-learning material for teaching
- Audio-video lectures

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Following are some activities participated by the department:

- NSS Camp
- Blood Donation Camp
- Gifts for Chetana Vikas Mandir
- Fruits Distribution at Matoshri Vridhashram
- Tree Plantation
- Save girl child rally

35. SWOC analysis of the department and future plan

Strengths of department

- Good academic results.
- Excellent infrastructure.
- Extra lectures for weak students.
- Co-curricular and extracurricular activities.
- Young dynamic pro-actively working dedicated faculty.

Weaknesses

- Faculty retention is challenge.
- Lack of consultancy.
- Research Patents deficiency.
- Deficiency of Ph.D.'s

Opportunities

- Research and Development activities need to be enhanced and interaction with industry should be increased.
- Performance of students in competitive examination needs improvement.
- Placements to be increased.
- Students to be promoted for higher education.
- Curriculum development challenges.

Challenges

- Fewer admissions for the programme.
- Industry interaction to be increased.

Future Plan

- Promote Faculty for Research and Development work.
- 100 % Placements.
- Strengthen Alumni interaction.

DEPARTMENT OF GENERAL ENGINEERING

1. **Name of the Department:** Department of General Engineering
2. **Year of Establishment:** 2001
3. **Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D. Integrated Masters; Integrated Ph.D., etc.):** NA
4. **Name of Interdisciplinary courses and the departments/units involved:**
NA
5. **Annual / Semester / Choice based credit system (programme wise):**
Semester
6. **Participation of the department in the courses offered by other departments:**

Course	Department
Engineering Physics	All departments
Engineering Mathematics	All departments
Engineering Chemistry	All departments
Electrical Engineering	All departments
Professional communication	All departments
Environmental Studies	All departments

7. **Courses in collaboration with other universities, industries, foreign institutions etc. :** NA
8. **Details of courses/programs discontinued (if any) with reasons:** NA
9. **Number of Teaching posts: (Data of only general engineering which is not included in other departments)**

Teaching Posts	Filled
Professors	0
Associate Professors	0
Assistant Professors	12

10. **Faculty profile with name, qualification, designation, designation. Specialization, (D.Sc./D.Litt./ PhD /M.Phil. etc.)**

Sr. No	Faculty	Qualification	Designation	Specialization	No. of Years of Experience
1	Mr. D. V. Sawant	M. Sc. (Chemistry) Ph. D. Pursuing	Assistant Professor	Analytical Chemistry	15
2	Mr. A. S. Patil	M. Sc. (Mathematics)	Assistant Professor	Mathematics	15
3	Dr. P. N. Patil	M. Sc. (Chemistry) Ph. D.	Assistant Professor	Analytical Chemistry	14
4	Ms. S. S. Shinde	M. Sc. (Physics) B. Ed.	Assistant Professor	Material Science	14
5	Mr. R. K. Chougale	M. E. (Electrical) Ph. D. Pursuing	Assistant Professor	Electrical Power System	09
6	Ms. V. A. Desai	M. A., M. Phil. (English) NET Ph. D. Pursuing	Assistant Professor	English Literature	04
7	Dr. P. G. Umape	M. Sc. (Chemistry) Ph. D. NET	Assistant Professor	Organic Chemistry	04
8	Mr. K. S. Joshi	M. A., M. Phil. (English) NET Ph. D. Pursuing	Assistant Professor	English Literature	04
9	Ms. S. S. Dige	M. Sc. (Mathematics)	Assistant Professor	Mathematics	12
10	Ms. G. S. Ghorpade	M. E. M.	Assistant Professor	Environmental Studies	05
11	Ms. S. V. Chavan	M. Lib.	Librarian	Library Management	16
12	Mr. H. B. Patil	M. P. Ed.	Physical Director	Physical Education	09

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 20% (Only for General Engineering)

13. Student Teacher Ratio (Programme wise):

STR- 12:1 this ratio is calculated on the basis of faculty in General engineering department.

Number of students	Number of Faculties
148	12

14. Number of academic support staff (technical) and administrative staff sanctioned and Filled

Academic Support Staff	Sanctioned	Filled
Academic Support Staff (Technical)	03	03

15. Qualification of teaching faculty with DSc./D.Litt/ Ph.D./ M.Phil/ PG.(General Engg.)

Degree Completed	No. of Faculties
Ph. D.	02
M. Phil.	02
P.G.	08

16. Number of faculty with ongoing projects from a) National b) International agencies and grants received: Nil**17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil****18. Research Centre/facility recognized by the university: Nil****19. Publications:**

Sr. No.	Name of Faculty	Number of publication in peer reviewed journals (National)	Number of publication in peer reviewed journals (international)	Number of publication in international data bases*	Avg. citation index	Avg. impact factor
1	Dr. P. G. Umape	--	07	07	4.57	1.801
2	Mr. R. K.Chougale	01	02	02	--	4.807
3	Ms. V. A. Desai	--	01	01	--	3.025
4	Mr. A. S. Patil	--	01	01	--	6.209
5	Dr. P. N. Patil	02	01	01	--	0.521
6	Mr. V. N. Karande	01	01	01	--	3.052

20. **Areas of consultancy and income generated:** Nil

21. **Faculty as members in** a) National committees b) International committees c) Editorial Boards:

Sr. No.	Name of National Professional Society	Name of Member
1	ISTE	Ms. S. S. Shinde
		Mr. R. K. Chougale
2	SUMS	Mr. A. S. Patil

22. **Student Projects:** NA

23. **Awards /Recognitions received by faculty and students:**

Name of the Student	Awards
Mr. Rushikesh Shinde	Won 1 st Prize in GFX at INFINITY 2017, National level technical event held on 4 th and 5 th March 2017
Mr. Rushikesh Shinde	Won 2 nd Prize in CREANTUROUS 2K17, National level event held on 20 th March 2017

24. **List of eminent academicians and scientists/ visitors to the department:**

Nil

25. **Seminars/Conferences /Workshops organized and source of funding**

Sr.No	Workshop	Source of funding
1.	One day workshop on Syllabus discussion of Engineering chemistry on 30 th July, 2013	Shivaji University, Kolhapur

26. **Student profile programme /course wise (This data is made available in department wise record):** NA

27. **Diversity of students (This data is made available in department wise record):** NA

28. **How many students have cleared national and state competitive examination such as NET, SLET, GATE, Civil services etc?:** NA

29. **Student progression:** NA

(This data is made available in department wise record)

30. **Details of Infrastructural facilities**

a) **Library** (Central facility) 3254 books are available for the first year.

b) **Internet facilities for staff and students:** 100 Mbps lease line

c) **Class rooms with ICT facility:** 01

d) **Laboratories:**

Sr. No.	Name of Laboratory
1	Engg. Physics
2	Engg. Chemistry

3	Basic Electrical Engg.
4	Language Laboratory

31. Number of students receiving financial assistance from college, University, government or other agencies: NA (This data is made available in the department wise records.)

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

Sr. No	Name of the event	Date	Resource person
1.	Soft skill training programme under lead college	9/03/2017	Campus for you Organization
2.	Seminar by professional counselor "Stress Management"	7/03/2017	Dr. Subhada Diwan
3.	Happiness program on "Art of living"	4/02/2017	Dr. Anima Dhahibhate
4.	Soft skill training programme under lead college	16/02/2016	Campus for you Organization
5.	Seminar by professional counselor on "Career Counseling for Engineering Students"	24/03/2015	Dr. Subhada Diwan
6.	Apale Police Abhiyan	19/07/2014	Mr. Dayanand Dhome P. I. Karveer Police Station, Kolhapur
7.	Seminar by professional counselor on Psychological aspects of carrier making	20/02/2014	Dr. Subhada Diwan
8.	Soft skill training programme under lead college	16/02/2014 -18/02/2014	Campus for you Organization
9.	Road Safety Awareness Programme	16/01/2014	Highway Police

33. Teaching methods adopted to improve student learning:

- Organize seminars
- Power point presentation
- NPTEL video lectures
- Tutorial Classes

34. Participation in institutional social responsibility (ISR) and External Activities:

Students and faculties of our department actively participated in

- Blood Donation Camp
- Tree Plantation

- Environment Protection Rally
- Swachata Abhiyan.

35. SWOC analysis of the department and Future plans

Strengths

- Dedicated, experienced and qualified teaching faculties.
- Various Co- Curricular & Extra-Curricular activities for students.
- Sufficient Infrastructure.
- Active participation of the faculty in institute level programme.
- Good interaction of faculties with students through counseling and mentorship programme.

Weaknesses

- Lack of industrial interaction.
- No consultancy.
- Input quality in terms of qualifying marks of students.
- Lack in Research and Development work.

Opportunities

- Increase the interaction with industries and institutes.
- Department provides an opportunity to mold the behavior and character of students in various ways.

Challenges

- To improve first year examination result.
- Increasing the depth of mentoring.
- Ever increasing competition for new institutes for admission facilities.

Future Plans

- To conduct more technical activities for first year student.
- To improve the qualification of the faculty.



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)

FOUNDER & CHANCELLOR
Dr. Patangrao Kadam
M. A. LL.B., Ph. D.

DTE INSTITUTE CODE : EN-6288

Tel.No.: (0231) 2638893, 2638894, Fax : 2636050

Web : <http://coekolhapur.bharativedyapeeth.edu> E-mail : coekolhapur@bharativedyapeeth.edu


PRINCIPAL
Dr. SUHAS S. PATIL
M. E. Ph.D. (Engineering)

Ref. No. BV/COEK/ 207 /2016 -2017

Date: 24/03/2017

DECLARATION BY THE HEAD OF THE INSTITUTE

I Certify that the data included in this **Self Study Report (SSR)** is true to the best of my knowledge. This SSR is prepared by the Institute after internal discussion and no part has been outsourced. I am aware that peer team will validate this information provided in this SSR during visit.


Dr. Suhas S. Patil
PRINCIPAL

Place: BVCOE, Kolhapur (MH)

Date: 24th Mar, 2017





सत्यमेव जयते
Government of India

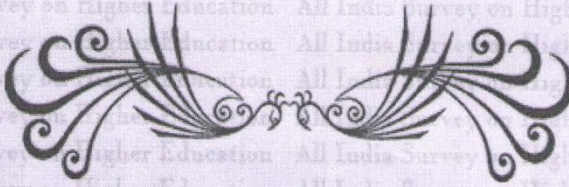
Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

Certificate



Reference No. C-11135-2016

This is to certify that Rahul Laxman Kadam of Bharati Vidyapeeth's College of Engineering, Morewadi, has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2016-2017.

(B N Tiwari)

Deputy Director General

Dated: 16/03/2017



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Western/1-2816343073/2016/EOA/Corrigendum-1

Date: 05-May-2016

Corrigendum

To,
The Secretary,
Tech. & Higher Education Deptt.
Govt. of Maharashtra, Mantralaya,
Annexe Building, Mumbai-400032

Sub: Extension of approval for the academic year 2016-17.

Ref : Application of the Institution for Extension of Approval for the Year 2016-17

EOA Issued on F.No. Western/1-2816343073/2016/EOA 25-Apr-2016

EOA Printed on F.No. Western/1-2816343073/2016/EOA

Corrigendum 1 F.No. Western/1-2816343073/2016/EOA/Corrigendum-1 05-May-2016

Sir/Madam,

In partial modification of the letter F.No. Western/1-2816343073/2016/EOA and in terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Western	Application Id	1-2816343073
Name of the Institute	BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING KOLHAPUR	Permanent Id	1-7272341
Name of the Society/Trust	BHARATI VIDYAPEETH COLLEGE OF ENGINEERING, KOLHAPUR	Institute Address	BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, NEAR CHITRANAGARI, KOLHAPUR-416013, KOLHAPUR, Maharashtra, 416013
Institute Type	Unaided - Private	Society/Trust Address	NEAR CHITRANAGARI, KOLHAPUR, KOLHAPUR, KOLHAPUR, Maharashtra, 416013

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable



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To conduct following courses with the intake indicated below for the academic year 2016-17*

Application Id: 1-2816343073			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	CAD/CAM/CAE	FULL TIME	Shivaji University, Kolhapur	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Shivaji University, Kolhapur	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ELECTRONICS & TELE-COMMUNICATION ENGINEERING	FULL TIME	Shivaji University, Kolhapur	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Shivaji University, Kolhapur	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Shivaji University, Kolhapur	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & TELE-COMMUNICATION ENGINEERING	FULL TIME	Shivaji University, Kolhapur	120	90	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Shivaji University, Kolhapur	120	120	NA	NA	NA

*Corrigendum for- 1. Closure of Course

The above mentioned approval is subject to the condition that BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING KOLHAPUR shall



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follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

Course(s) Applied for Closure by the Institute for the AY 2016-17:

Application Id: 1-2816343073			Name of the Course	Full/Part Time	Affiliating Body	Course Closure Status
Program	Shift	Level				
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS ENGINEERING : (Last Approved Intake 60)	FULL TIME	Shivaji University, Kolhapur	Approved
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING : (Last Approved Intake 60)	FULL TIME	Shivaji University, Kolhapur	Approved

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Prof. Alok Prakash Mittal
Member Secretary, AICTE

Copy to:

- The Regional Officer,**
All India Council for Technical Education
Industrial Assurance Building
2nd Floor, Nariman Road
Mumbai - 400 020, Maharashtra
- The Director Of Technical Education,**
Maharashtra
- The Principal / Director,**
BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING KOLHAPUR
BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,

Application Number: 1-2816343073
Note: This is a Computer generated Report.No signature is required.
2017
Printed By : ae2968801

Page 3 of 4
Letter Printed On:23 March



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NEAR CHITRANAGARI,
KOLHAPUR-416013,
KOLHAPUR,KOLHAPUR,
Maharashtra,416013

4. **The Secretary / Chairman,**
BHARATI VIDYAPEETH COLLEGE OF ENGINEERING, KOLHAPUR
NEAR CHITRANAGARI, KOLHAPUR,
KOLHAPUR,KOLHAPUR,
Maharashtra,416013
5. **Guard File(AICTE)**

तंत्र शिक्षण संचालनालय, महाराष्ट्र राज्य,

३, महापालिका मार्ग, पत्र पेटी क्रमांक १९६७, मुंबई ४०० ००१.

दूरध्वनी - २६२०६०१, २६१०६०२, २६४११५०/५१, फॅक्स - २६१२१०२.

WWW - EDUTECH

E-mail : info@dte.org

Internet :http://www.dte.org

SPEED POST

क्रमांक : २/एनटीसी/२००१/२१७२
दिनांक.

18 AUG 2001

प्रति,
प्राचार्य,
भारती विद्यापीठाचे
कॉलेज ऑफ इंजिनिअरींग,
कदमवाडी, ता. करवीर, जि. कोल्हापूर.

**विषय- शैक्षणिक वर्ष २००१-२००२ पासून विना अनुदान तत्वावर
अभियांत्रिकी महाविद्यालय सुरु करण्यास परवानगी देण्याबाबत...**

संदर्भ- १. उच्च व तंत्रशिक्षण विभागाचा शासन निर्णय क्रमांक पीईसी- २००१(३५१/०१)
तांशि-१, दिनांक ३० जून २००१

आपले भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली यांनी त्यांचे पत्र क्रमांक एफ०४०००३ (एनटीसी / डटी / २०००) दि.२८/६/२००१ तसेच संदर्भाधीन शासन निर्णय दिनांक ३० जून २००१ काली आपल्या संस्थेस शैक्षणिक वर्ष २००१-२००२ पासून विना अनुदान तत्वावर अभियांत्रिकी महाविद्यालय खाली नमूद कालावधीत सुरु करण्यास ज्ञाती अटी व शर्तीच्या अधिन राहून परवानगी दिलेली आहे.

अ.क्र.	अभ्यासक्रमाचे नांव	प्रवेशावधी
१.	इन्फारमेशन टेक्नॉलॉजी	६०
२.	कंप्यूटर इंजिनिअरींग	६०
३.	इलेक्ट्रॉनिक्स अँड टेलिकॉम्यु. इंजि.	६०

सदर अटीपैकी आपण ६.२०/- च्या स्टेम पेपरवर शर्ती व अटी मान्य असल्याबाबतचे नोंदणीकृत हमीपत्र संचालनालयस सादर केलेले आहे.

विहित केलेल्या अटीपैकी उरलेल्या खालील अटी व शर्तीच्या अधिन राहून उपरोक्त नमूद केलेला अभ्यासक्रम सन २००१-२००२ पासून विना अनुदान तत्वावर सुरु करण्यास व विद्यार्थ्यांस प्रवेश देण्यास या संचालनालयाकडून अंतिम परवानगी देण्यांत येत आहे.

१. सदर मंजूरी कायम विना अनुदान तत्वावर राहिल. सदर अभ्यासक्रमांसाठी शासनाकडून आरवती किंवा अन्वयने आनुदान दिले जाणार नाही.

२. शासन निर्णय, शिक्षण व संचालनालय विभाग क्रमांक डीईएम ३३८२/१११८३३ (१९०)तांशि-१(३), दिनांक २९ मे १९८३ अन्वये विना अनुदान तंत्रशिक्षण संस्थांना परवानगी देण्यासाठी शासनाने विहित केलेल्या अटी व शर्ती संस्था संशोधनारक आपली.

३. शासनाने विहित केलेल्या तसेच आपले भारतीय तंत्रशिक्षण परिषदेकडून विहित करण्यात आलेले अटी व शर्ती मान्य असल्याबाबत संशोधनारक संस्था वारंवारक बळकत लावतील.

[Signature]

True copy

४. प्रस्तावित अभ्यासक्रमाच्या संतुष्टीकरणार्थ संस्थेने शिवाजी विद्यापीठ, कोल्हापूर यांची मान्यता घेणे आवश्यक आहे. त्यासाठी शिवाजी विद्यापीठ, कोल्हापूर यांचेकडून यथाचित माहिती घेण्यांत यावी.
५. विना अनुदान तत्वावर चालणारा या अभियांत्रिकी महाविद्यालयांच्या बाबतीत अखिल भारतीय तंत्रशिक्षण परिषद, राज्यशासन, विद्यापीठ व तंत्रशिक्षण संचालनालय म.रा.मुंबई यांचेकडून वेळोवेळी विहित करण्यात येणारे नियम, प्रदेश नियम, आरक्षण, शिक्षणशुल्क व इतर शुल्क यासंबंधीच्या निर्णयाने चालन करणे संस्थेला बंधनकारक असेल.
६. संस्थेने अभियांत्रिकी महाविद्यालयांसाठी निघातठेव म्हणून रु. १०.०० लाख संचालक तंत्रशिक्षण महाराष्ट्र राज्य मुंबई व संस्थेचे अध्यक्ष / सचिव यांच्या संयुक्त पत्र्यात स्टेट बँक ऑफ हैद्राबाद, शाखा पूर्ण येथे पावती क्रमांक एमपीएल/०२१७१९१, दिनांक १०/७/२००१ अन्वये ५ वर्षासाठी जमा केलेले आहेत. तसेच गापुरी पुढील ३ शैक्षणिक वर्षात प्रत्येकी रु.५.०० लाख प्रमाणे संयुक्त पत्र्यात जमा करणे आवश्यक आहे.
७. आपण आपल्या संस्थेत अखिल भारतीय तंत्रशिक्षण परिषद यांच्या मानकानुसार शिक्षक व शिक्षकेंतर कर्मचारी नेमाचे व शिक्षक व शिक्षकेंतर कर्मचा-यांना शासनाच्या / अखिल भारतीय तंत्रशिक्षण परिषद यांच्या नियमानुसार वतन व इतर भत्ते तसेच इतर सुविधा देण्यांत याव्यात.
८. तसेच संस्थेबद्दल कर्मचारी व विद्यार्थ्यांच्या तक्रारी आल्यास संस्थेविरुद्ध कडक कारवाई करण्यांत येईल.
९. संस्थेतील प्रयोगशाळा, कर्मशाळा व आरक्षण कक्ष हे अखिल भारतीय तंत्रशिक्षण परिषद व विद्यापीठाच्या मानकानुसार व प्रमाणकानुसार आवश्यक ती यंत्रसामग्री, उपकरणे फर्निचर इ. ची खरेदी करून सुसज्ज करणे आवश्यक राहिल.
१०. संस्थेतील प्रशासनास आवश्यक ती पुरवठे, नियतकालिक इत्यादी अखिल भारतीय तंत्रशिक्षण परिषद विद्यापीठाच्या मानकानुसार खरेदी करणे आवश्यक आहे तसेच विद्यार्थ्यांना वाचनालयाचा पुरेपूर उपयोग होण्याचे दृष्टीने प्रशासनात विद्यार्थ्यांना अभ्यासवेळी सोय करणे आवश्यक आहे.
११. या संचालनालयाने, शिवाजी विद्यापीठ, कोल्हापूर किंवा शासन किंवा त्यांनी प्राधिकृत करण्यांत आलेले अधिकारी यास संस्थेचे निरीक्षण करण्यास व त्या निरीक्षणाअंती आढळून येणा-या उर्णाबाबत उचित कार्यवाही करण्याचे अधिकार असतील.
१२. सदर सस्था संचालक, तंत्रशिक्षण यांच्या नियंत्रणाखाली राहिल व संबंधित अभ्यासक्रमाच्या परीक्षा शिवाजी विद्यापीठ, कोल्हापूर यांच्यामार्फत घेतल्या जातील.
१३. सर्वोच्च न्यायालयाच्या निकालानुसार शासनाने सन १९९३-९४ मध्ये विहित केलेल्या नियमानुसार आपल्या संस्थेचे प्रवेश संचालक, तंत्रशिक्षण यांच्यामार्फत करण्यांत येतील.
१४. जर संस्था विद्यापीठाच्या मानकानुसार आवश्यक त्या सुविधा उपलब्ध करू न शकल्यास किंवा शासनाने, या संचालनालयाची, संबंधित विद्यापीठाने वेळोवेळी ठरवून दिलेल्या अटी व शर्तीने उल्लंघन करील अगल्यास सदरची योग्य वेळी करण्याचे अधिकार अखिल भारतीय तंत्रशिक्षण परिषदेच्या शिफारशीनुसार शासनाने राहतील.

(प्रा. न. ना. गारशिकर)

संचालक, तंत्रशिक्षण, म.रा.मुंबई.

१. मा. प्रवेश सचिव, राज्य व तंत्रशिक्षण विभाग, संचालन विस्तार भवन, मुंबई-३२ यांना यंत्रणाधीन शासन निषेध दिनांक २० जून २००५ गुणवत्ता मध्ये.

२. फुलपूठ शिवाजी विद्यापीठ, कोल्हापूर यांना परिषदेने या योग्य कार्यवाहीसाठी.

३. संचालक, तंत्रशिक्षण विभाग, संचालन पूर्ण येथे पावती व योग्य त्या कार्यवाहीसाठी.

४. कार्यवाही क्रमांक १० व ३ यांना परिषदेने व आवश्यक कार्यवाहीसाठी.

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शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४ महाराष्ट्र

दूरध्वनी ईपीबीएक्स- २६०९००० संलग्नता टी-२ विभाग दूरध्वनी -०२३१ - २६०९०९१
संचालक, बी.सी.यु.डी. कार्यालय, दूरध्वनी : (थेट) ०२३१ - २६०९०७०

संदर्भ क्र.संलग्नता/टी-२/बीएसपी/विद्यापरिषद विषय क्र. २५/दि. २३/०२/२०१६/

दि.

No 54 = - 7

2 APR 2016

प्रति,
मा. प्राचार्य,
भारती विद्यापीठाचे,
कॉलेज ऑफ इंजिनिअरींग,
मोरेवाडी, कोल्हापूर.

विषय :- आपल्या महाविद्यालयाच्या खालील अभ्यासक्रमांच्या संलग्नीकरण प्रकाराबाबत विद्यापीठाची मान्यता.

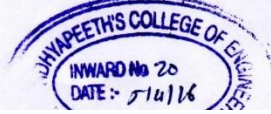
संदर्भ :- आपला जा. क्र. १४७,१४८/२०१५-१६ दि.१९/०८/२०१५ चा प्रस्ताव.

महोदय,

उपरोक्त विषय व संदर्भानुसार आपणास कळविण्यात येते की, आपल्या महाविद्यालयाकडून जून, २०१६ पासून खालील संलग्नीकरण प्रकाराचे व अभ्यासक्रमाचे प्रस्ताव मान्यतेकरीता प्राप्त झाले होते. सदर प्रस्तावास विद्यापीठ अधिकार मंडळाने स्थानिक चौकशी समितीने व छाननी समितीने घातलेल्या खालील अटी पुर्ततेच्या अधीन राहून पुढीलप्रमाणे मान्यता दिली आहे.

अ.क्र.	संलग्नीकरणाचा प्रकार	अभ्यासक्रम	शाखा/विषय	विद्यापीठाची मान्यता
1.	Continuation	F.E. To B.E.	1. Computer Science & Engineering - 60 2. Electronics & Telecommunication Engineering - 120 3. Mechanical Engineering- 120 4. Electronics Engineering - 60 5. Civil Engineering - 60 (Second Shift) Direct Second Year 6. Computer Science & Engineering - 60	जून २०१६ पासून एका शैक्षणिक वर्षासाठी
2.		M.E. Part - I & II	1. Electronics & Telecommunication Engineering - 18 2. Computer Science & Engineering - 18 3. CAD/CAM/CAE - 18	

स्थानिक चौकशी समितीने व छाननी समितीने नमूद केलेल्या अटी खालीलप्रमाणे आहेत.



To ANP

अ. शैक्षणिक बाबीं विषयी -

१. विद्यापीठ व AICTE च्या नियमानुसार शिक्षकांची विद्यापीठ निवड समितीमार्फत नियुक्ती करावी.
२. ग्रंथपाल व शा. शिक्षण संचालक यांची विद्यापीठ निवड समितीमार्फत नियुक्ती करावी.

ब. भौतिकसुविधां विषयी -

१. Wi/Fi सुविधा महाविद्यालय आवारात सुरु करणेत यावी.
२. ATM सुविधा आवारात उपलब्ध करून देण्यात यावी.
३. UIM चे कॅलिब्रेशन करून घ्यावे.
४. MECH (PG) - Flexsim ची खरेदी करणेत यावी.

क. शिक्षक व शिक्षकेत्तर कर्मचारी व विद्यार्थ्यांच्या कागदपत्रांविषयी -

१. ५ सहयोगी प्राध्यापकांची ६ व्या वेतन आयोगानुसार वेतन निश्चिती करावी.
२. चेंजिंग इन स्टाफ ची प्रक्रिया विद्यापीठमार्फत पुर्ण करून घेणेत यावेत.

ड. वैधानिक समित्यांच्या कार्याविषयी -

१. वैधानिक समित्यांच्या बैठका वेळोवेळी घेण्यात यावीत.

इ. आर्थिक बाबींविषयी -

१. शिक्षकांसाठी पी.एफ. चालु करणेत यावे.
२. सर्व शिक्षक व शिक्षकेत्तर कर्मचा-यांना अद्ययावत DA देणेत यावा.

फ. अध्यापनपूरक/अध्यापनेत्तर कामाविषयी -

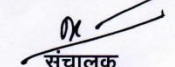
१. शिक्षकांनी Workshops/Seminar/Conferance साठी जाणेस प्रोत्साहित करावे.
२. विद्यार्थी व शिक्षकांसाठी संशोधनासाठी बजेटची व्यवस्था करावी.
३. विद्यार्थ्यांसाठी वेगवेगळ्या विषयांवरील तज्ञ मार्गदर्शकांचे कार्यक्रम आयोजित करणेत यावेत.

संलग्नीकरणाच्या नुतनीकरणाची मान्यता ही स्थानिक चौकशी समितीने व छाननी समितीने घातलेल्या अटी पूर्ततेच्या अधीन राहून केली असल्याने आपल्या महाविद्यालयाने सदरच्या सर्व अटींची पूर्तता करून संबंधित कागदपत्रांच्या सत्यप्रतीसह अटीपूर्तता अहवाल या पत्राच्या दिनांकापासून दोन महिन्यात विद्यापीठास सादर करावा. त्या अटींची पूर्तता केल्यानंतर व त्यास विद्यापरिषदेने मान्यता दिल्यानंतरच सदरच्या संलग्नीकरणाच्या नुतनीकरणाची मान्यता कायम केली जाईल याची कृपया नोंद घ्यावी.

तसेच उपरोक्त मान्यतेचा कालावधी लक्षात घेऊन पुढील संलग्नता मान्यतेचा प्रस्ताव विहित शुल्कासह विद्यापीठास मुदतीत सादर करण्याची योग्य ती दक्षता घ्यावी.

कळावे,

आपला विश्वासू,



संचालक
महाविद्यालय व विद्यापीठ विकास मंडळ

- प्रत :- १. पात्रता विभाग, २. संबंधित परीक्षा विभाग, ३. परीक्षक नियुक्ती विभाग,
४. अभ्यास मंडळे विभाग ५. संलग्नता (शिक्षक मान्यता) विभाग.



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NAAC 'A' Grade
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शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४ महाराष्ट्र

दूरध्वनी ईपीबीएक्स- २६०९००० संलग्नता टी-२ विभाग दूरध्वनी -०२३१ - २६०९०९१
E-Mail - affiliation.12@unishivaji.ac.in
संचालक, बी.सी.यु.डी. कार्यालय, दूरध्वनी : (बेट) ०२३१ - २६०९०००

Ref.No.SU/Affi.T-2/

No 197 =

Date :- 10 APR 2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Bharati Vidyapeeth's College of Engineering, Morewadi, Kolhapur (Maharashtra state) is affiliated to Shivaji University, Kolhapur since 2001 and following Courses are taught in the said college as per approval.

Sr. No.	Name of the Course's & Intake	Duration of the Course	Affiliation (Permanent/ Temporary)	Validity period
1.	U.G. Computer Science and Engineering - 60	4 Years	Temporary	2016-17
2	Electronics & Telecommunication Engg. - 90			
3	Mechanical Engineering - 120			
4	Civil Engineering - 60			
1.	P.G. Electronics & Telecommunication Engg. - 18	2 Years	Temporary	2016-17
2	Computer Science & Engg. - 18			
3	CAD/CAM/CAE - 18			

Registrar



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Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)

FOUNDER & CHANCELLOR
Dr. Patangrao Kadam
M. A. LL.B., Ph. D.

DTE INSTITUTE CODE : EN-6288
Tel.No.: (0231) 2638893, 2638894, Fax : 2636050

PRINCIPAL
Dr. SUHAS S. PATIL
M. E. Ph.D. (Engineering)

Web : <http://coekolhapur.bharativedyapeeth.edu> E-mail : coekolhapur@bharativedyapeeth.edu

Ref. No. BV/COEK / 507 / 2016 - 2017

Date : 05/05/2017

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(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that **Bharati Vidyapeeth's College of Engineering, Kolhapur** fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.


In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 26th April 2017
Place: Kolhapur




Prof. Dr. Suhas S. Patil
Principal