SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE, PUNE

BHARATI VIDYAPEETHS COLLEGE OF ENGINEERING AT POST LAVALE,
TAL MULSHI PUNE
412115
bvcoe.bharatividyapeeth.edu

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

(Draft)

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Bharati Vidyapeeeth (BV) a conglomerate of 181 institutes is parent Organization of Bharati Vidyapeeth's College Of Engineering, Lavale, Pune (BVCOELP) established in 2012. There are Four Branches of Civil, Computer, E&TC and Mechanical with First Year Intake of 240 and DSE intake of 60. Total Student admitted are 793 for 2017-18.

BVCOELP has 10 acres demarcated within 286 acre BV Campus. There are 15 ICT ready Class Rooms including Three Seminar Halls besides Drawing Hall with 16173 sq. mtr. area. There are 38 Laboratories fully equipped with investment of Rs. 3.5 Crores. Computer Centre houses 75 Computers with latest softwares and Internet access with 32 MBPS leased Line.

With Training and Placement total 114 companies provided opportunities 117+236 passed out students. Prominent Companies were like Zensar, ITC InfoTech, Tech Mahindra, Amazon, Reliance, Godrej. T&P Department also supports for Industry Based Projects and 173 students till date got Internships.

Library has 4100 sq. ft area with reading hall, digital library with Total 9068 books for 1130 titles and 39 print journals and online research papers costing Rs.45 Lakhs. Workshop houses 20 Lathes besides Universal Milling Machine, Surface Grinder, Wood Working Lathe, Arc/TIG/MIG Wielding Machines costing Rs. 40 Lakhs.

Other facilities include Canteen, Wi-Fi at Designated locations, Volley ball, Basket Ball and Kabaddi ground, Gymnasium, Open Air Amphitheater and Hostels for Boys and Girls. BVCOELP has NSS unit, Six Faculty members associated with BVCOELP are pursuing PhD with Full Assistantship in USA. BVCOELP has Memberships with ISHRAE, FSAI, CII, BAI, ISH, IPA.

Vision

Bharati Vidyapeeth was founded by Dr. Patangrao Kadam in 1964. At the time of its inception Founding Chancellor of Bharati Vidyapeeth had determination to establish a University with a Vision for "Social Transformation Through Dynamic Education".

Bharati Vidyapeeth's College of Engineering, Lavale, Pune has imbibed the same Vision as that of Bharati Vidyapeeth and its Founder that is "Social Transformation Through Dynamic Education".

Everyone at BVCOELP is made aware to work cohesively with this Vision.

Mission

To nurture young minds and make them realize the true potential of delivery to fulfill the purpose of their sole existence by way of discovery, innovation, leadership and service

Goals:

BVCoE, Lavale, Pune is striving to create resources to transform the Demographic Advantage of India into Global Citizens for future.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. We are young Institute in terms of number of years of establishment and in terms of faculty attitude.

2. Vastly experienced management for mentoring.

3. Cohesive vision, mission and goals resulting into productive output.

4. Institutional memberships of professional associations transcending into industrial collaborations.

5. International academic experience for faculty development.

6. Majestic infrastructure with serene environs.

7. Blend of young and experienced dynamic faculty.

8. We are proud to serve majority of students who are first generation engineers.

Institutional Weakness

1. From students perspective, college is located on the outskirts of city.

2. Excessive efforts are required for improving professional skills and grooming of incoming rural students.

3. Lack of experienced doctoral faculty.

4. Expectation bag of engineering faculty is always flooded.

Institutional Opportunity

1. To be an institute with world class academic and research collaborations

2. To inculcate spirit of entrepreneurship and consultancy among faculty and students

3. To have start-ups on campus

4. To promote sports, performing arts and life skills for all round development of students

Institutional Challenge

1. Appreciation from statutory bodies is marginal considering ours is new establishment.

2. Establishing in-house research facilities due to non-availability of PG courses.

3. Restricted experiential and blended learning opportunities.

4. Income vs. expectations from stake holders is unrealistic.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

BVCoE, Lavale, Pune is an affiliated Institution to Savitribai Phule Pune University, Pune. Being a young and affiliated Institution, the extent of Institute's involvement in curriculum design is limited. None the less, the Institution ensures proper implementation of the curriculum by proper planning and constant monitoring and evaluation. It also addresses cross-cutting issues through various activities. Various technical skill-development trainings are offered to the students for widening the horizon of their knowledge. Blended Learning, Flip Learning, MOOCS, use of ICT, NPTEL Lectures, Experiential Learning, Online Examinations are promoted for statutory subjects.

Teaching-learning and Evaluation

- The Institution put stress on use of different methodologies, tools and e-resources to make learning more experiential and interactive.

- A faculty's abilities to teach is evaluated continuously and at the end of a semester a Performance Index is calculated based on the result of his/ her subject in various tests, students' attendance in his/ her class, efforts made to improve one's knowledge base through trainings, seminars, FDPs/ STTPs, research and publications.

- Students' feedback is sought for each faculty member through website.

- These evaluation techniques provide the opportunities to faculties to improve their techniques. It also provides the management with the tool to decide if stronger actions are needed.

- While facilitating the enriched learning experience for students from different social backgrounds and different learning abilities, the Institution emphasizes on constant industry exposure by inviting adjunct faculties, arranging internships, guest lectures, industrial trainings and visits.

- The faculty members and students remain in constant touch even after office hours through WhatsApp groups.

- A regular watch is kept on student's response to classroom teaching through various means.

- The evaluation mechanism is fair and transparent. A Grievance Redressal Committee is also in place to ensure addressing of any complaint regarding any type of irregularity that a student would experience on the campus.

Research, Innovations and Extension

Though Institution is relatively young and offers only UG courses which limits the opportunities for research, currently research initiatives is by way of Promotion of Higher Education Aborad. There are Six Faculty Members who were associated with BVCOELP who are promoted for PhD in USA with Full Assistanthsip. This initiative is now popular with many students who are either in USA or preparing for Admission in US / UK / German Universities. Prof. Vishwas Jadhav has secured stupenduous assistantship of $39172 add to that $7500 for Summer Research to make it $46672 equivalent to Rs. 3033680. Fifteen aspirants from VPKBIET, Baramati, VIT, Pune, MIT, Pune, COE, Karad, SIT, Pune are preparing for 2018-19 with inspiration from BVCOELP.

Five PhD and 6 MTech students from IIT, Powai have been shortlisted during the Campus Placement season for 2018-19 to build research collaboration with IIT, Powai. Such Out of Box Thinking is essential for Research and Innovation at Young Self-Financing Institutes like us.

On statutory grounds, the Institution has taken Membership of various professional bodies such as ISHRAE, FSAI, ISH, ISTE, BAI, CII, CSI, IPA for Professional Industry exposure to Students and Faculty.

Infrastructure and Learning Resources

The College can boast about the majestic, green campus with efficient classrooms, laboratories, seminar halls with LCD projection and audio amplification system, drawing hall, workshop, an open-air Amphitheatre, playground, gymnasium, mess and canteen and hostel facility. There's also a hospital on the campus for immediate attention, if required. Apart from small departmental libraries, there's a Central Library with books, journals and computer area to access e-resources. Each department has their own Data Management System with relevant resources and information for monitoring of the departmental activities. The campus is Wi-Fi enabled with a dedicated line.

The management also allocates funds for adding new facilities and for maintenance of the facilities developed. AMCs are in place for maintaining different facilities.

Student Support and Progression

- One of the major activities of the Institution is promotion of higher education abroad. A number of faculties and students are guided at the College about this. Some of them are pursuing further studies abroad with assistantship.

- The College arranges for soft-skill development, career counseling, foreign language learning and personality enhancement sessions for the students by inviting external experts. This would help them during placement as well as for further education.

- Apart from regular teaching-learning sessions, students are provided mentoring for various co-curricular and extra-curricular activities. These activities are important for a student's all-round development. The students participate in inter-collegiate, intra- and inter-university sports tournaments and cultural competitions. They have also won several prizes in such tournaments and competitions.

- The College extends all the support to help students receive financial assistance from the Government especially for SC/ST, OBC and economically weaker sections.

- Anti-Ragging Committee, Grievance Redressal Committee, Internal Complaints Committee and Minority Cell are in place to address any issue falling under the purview of these committees.

- A counselor is appointed to help students deal with psychological and emotional issues. Also Music Classes Once in week for all students are made available.

Governance, Leadership and Management

The Institute has a vastly experienced management to provide leadership at the top. The top and middle level leadership is focused about working towards the vision of the Institute i.e. Social transformation through dynamic education. The education imparted at the Institute is vibrant through constant industry interaction, participation in professional events, organizing Jobfair on the campus and promoting higher education abroad. The management is progressive in its outlook and has recently decided to adopt the concept of Flipped Learning. Welfare of teaching and non-teaching staff members is also addressed through various welfare measures. All the financial approvals follow a set process before approval is granted. The Income, Expenditure and Operation of the Institution is monitored through Internal as well as External Audit mechanism.

Institutional Values and Best Practices

The College is alert about gender sensitivity, environmentally green practices, human values and professional ethics and makes efforts in inculcating these values in its students, staff members and society, in general. The College provides facilities for safety and security of female members and also keeps redressal mechanism in place to address any grievances. The Institute has a practice of treating and recycling liquid and solid waste, using energy efficient lighting and equipment, conserve energy wherever possible, provide public transport to

reduce the carbon footprint. The Institute, through students' participation, also carries out societal activities in surrounding villages to develop the virtues like compassion, camaraderie and brotherhood.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, LAVALE, PUNE
Address	Bharati Vidyapeeths College of Engineering At Post Lavale, Tal Mulshi Pune
City	Lavale Pune
State	Maharashtra
Pin	412115
Website	bvcoe.bharatividyapeeth.edu

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Sachin Marotrao Shendokar	020-65003345	9850214531	020-2029135 7	coelpune@bharativ idyapeeth.edu
Associate Professor	Himali Mehta	020-20291356	9423756311	020-2437221 0	himali.mehta@bha ratividyapeeth.edu

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	

Date of establishment of the college	10-05-2012

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Maharashtra	Savitribai Phule Pune University	[View Document](#)

Details of UGC recognition	
Under Section	**Date**
2f of UGC	
12B of UGC	

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	[View Document](#)	10-04-2017	12	All Courses are approved by AICTE New Delhi

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes
If yes, has the College applied for availing the autonomous status?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	Bharati Vidyapeeths College of Engineering At Post Lavale, Tal Mulshi Pune	Rural	10	16137

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	**Name of Programme/Course**	**Duration in Months**	**Entry Qualification**	**Medium of Instruction**	**Sanctioned Strength**	**No.of Students Admitted**
UG	BE,Mechanical Engineering	48	HSC	English	420	359
UG	BE,Civil Engineering	48	HSC	English	240	212
UG	BE,Computer Engineering	48	HSC	English	240	150
UG	BE,Electronics And Telecommunication Engg	48	HSC	English	240	72

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				5				11				72
Recruited	1	0	0	1	0	0	0	0	29	9	0	38
Yet to Recruit				4				11				34
Sanctioned by the Management/Society or Other Authorized Bodies				5				6				67
Recruited	5	0	0	5	6	0	0	6	47	20	0	67
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				33
Recruited	0	0	0	0
Yet to Recruit				33
Sanctioned by the Management/Society or Other Authorized Bodies				33
Recruited	33	0	0	33
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				19
Recruited	0	0	0	0
Yet to Recruit				19
Sanctioned by the Management/Society or Other Authorized Bodies				19
Recruited	18	1	0	19
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	1	2	0	4
M.Phil.	0	0	0	0	0	0	0	1	0	1
PG	0	0	0	1	0	0	37	13	0	51

Temporary Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	3	4	0	7

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	15	0	0	15

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	608	69	0	0	677
	Female	106	10	0	0	116
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	64	45	57	33
	Female	6	5	8	6
	Others	0	0	0	0
ST	Male	7	5	2	3
	Female	1	0	1	0
	Others	0	0	0	0
OBC	Male	156	149	123	92
	Female	30	24	16	12
	Others	0	0	0	0
General	Male	370	362	403	256
	Female	77	70	49	41
	Others	0	0	0	0
Others	Male	80	80	77	89
	Female	2	11	14	11
	Others	0	0	0	0
Total		793	751	750	543

3. Extended Profile

3.1 Programme

Number of courses offered by the institution across all programs during the last five years

Response : 298

Number of self-financed Programmes offered by college

Response : 4

Number of new programmes introduced in the college during the last five years

Response : 1

3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
751	750	543	293	100

Number of seats earmarked for reserved category as per GOI/State Govt rule year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
245	271	259	243	95

Number of outgoing / final year students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
206	117	1	1	1

Total number of outgoing / final year students

Response : 323

3.3 Academic

Number of teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
88	85	47	43	18

Number of full time teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
53	46	35	26	18

Number of sanctioned posts year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
88	88	64	40	20

Total experience of full-time teachers

Response : 425.23

Number of full time teachers worked in the institution during the last 5 years

Response : 59

3.4 Institution

Total number of classrooms and seminar halls

Response : 15

Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
758	942	905	720	285

Number of computers

Response : 335

Unit cost of education including the salary component(INR in Lakhs)

Response : 1.20

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 0.64

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

BVCoE, Lavale, Pune is affiliated to Savitribai Phule Pune University (SPPU) and hence follow the course curriculum designed by the University. At the End of each Semester During Semester Break, Meeting is conducted with reference to Academic Calendar provided by SPPU which has Semester commencement and Semester End Dates. Keeping in view the commencement and end of semester dates, Schedule of activities for upcoming Semester such as in-sem and end-sem exams, oral/ practical exams Faculty – Students Meetings, Preparation and Display of Attendance Defaulters List, Vacation Period is entered into College level Academic Calendar. This Academic Calendar for the College is then shared with the respective Department Heads for Implementation through the Semester. The College Academic Calendar is also made available for Students on College Website.

After taking Subject Choices, Head of the Departments allocate Theory and Practical slots to individual Faculty Members with due consideration to the subject choice expressed by them and their competence. Based on allocated Workload, class-wise timetable is prepared. The timetable is prepared immediately after the end of the previous semester so that faculty members get sufficient time for the preparation of the subject assigned to them for the next semester. SPPU Board of Studies conducts Workshops for Faculty Orientation for those Subjects which have major changes in Syllabus Topics during semester break so that Faculty is well prepared for Delivery during the Semester.

Implementation of curriculum:

- For effective implementation of curriculum, each faculty member prepares a Teaching Plan in line with the Academic Calendar. The plan is prepared unit-wise, in detail. It is ensured by the Academic coordinator and the HoD that the faculty members use prescribed e-resources, books stick time schedule provided by the University.

- They monitor the progress of curriculum implementation under each subject at regular interval. If there is any gap between number of lectures planned and the number of lectures actually conducted, necessary corrective actions are taken for filling the gap.

- The Institution has designed a Students' Attendance Record book which every faculty has to maintain throughout the semester. In this Record book, continuous assessment of students is recorded with respect to attendance, lecture-wise lesson plan, actual coverage of syllabus in lectures, Performance in laboratory/ tutorials, their results in exams etc. is maintained.

Major points discussed in the Departmental Meetings are recorded by each faculty member in the Record book. So, faculty members remain well-informed about the directives and policy decisions made at every

level regarding teaching-learning.

This Record book also makes it convenient for Department Head and Academic Coordinator to monitor the curriculum implementation by each faculty member.

- To bring in latest perspectives in the curriculum, the college has a system of appointing experienced people from industry / government institution as Adjunct faculty. They interact with the students on regular basis.

- Apart from these, effective curriculum implementation is also ensured by arranging expert lectures.

- Faculty members are motivated to use ICT based teaching techniques. NPTEL, Ed-X, Coursera and Videos from Youtube or Other Sites are encouraged to be used while teaching for providing better learning and understanding of the student.

- Internal tests for theory and Continuous Assessment for Laboratory Work are used for assessing students' understanding of the subjects.

- For those students who are found to be lagging behind in understanding any subject, remedial teaching is done by the faculty members at mutually convenient time. Extra Lectures slots are normally scheduled on Saturday, considering it is Half Day Working.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 4

1.1.2.1 **Number of certificate/diploma programs introduced year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
2	1	1	0	0

File Description	Document
Any additional information	[View Document](#)
Details of the certificate/Diploma programs	[View Document](#)

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/

Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 44.96

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
37	20	16	7	7

File Description	Document
Details of participation of teachers in various bodies	[View Document]
Any additional information	[View Document]

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years

Response: 22.82

1.2.1.1 How many new courses are introduced within the last five years

Response: 68

File Description	Document
Details of the new courses introduced	[View Document]
Minutes of relevant Academic Council/BOS meetings.	[View Document]

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 4

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	[View Document](#)
Name of the programs in which CBCS is implemented	[View Document](#)
Any additional information	[View Document](#)

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 6.74

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
118	109	17	1	0

File Description	Document
Any additional information	[View Document](#)
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	[View Document](#)

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

The College is conscious about gender sensitization. It has instituted a 'Grievance Redressal Committee' to facilitate reporting and addressing of gender issues, if any. The College through this Committee ensures creating and maintaining an environment free of gender violence, sexual harassment, and gender discrimination – where students, teachers and non-teaching staff can work together without any fear or anxiety. Recently, the College organized a quiz competition supported by National Council for Women, New Delhi to sensitize students about the legal rights of women.

To make the students learn benevolent acts, since its inception College has regularly organized Blood Donation Camps and Tree Plantation days. Along with Blood Donation, Eye Donation Pledge and Awareness about Organ Donation is conducted every year. In 2016, a National Workshop on "Perspective

on Solid Waste Management in the context of Smart City Mission" was organized to bring the students closer to the issues related to environment and efforts being made to address these issues. The event also provided them an opportunity to interact with experts in the area of Solid Waste Management.

The course curriculum designed by SPPU and binding to this college has integrated some of the issues mentioned above through courses related to Project Management, Information system and Engineering Economics, Audit and Soft Skills. The course Basic Civil & Environmental Engineering for First Year students includes units and assignments on environmental issues. The students in different branches have courses on Environmental Engineering, Water Resource Management, Energy Audit and Management, Innovations in Engineering Field/ Agriculture, Industrial Engineering, Intellectual Property Rights, Applied Thermodynamics, Refrigeration and Air Conditioning and Power Plant Engineering which touch pollution control, energy efficiency and sustainability aspects. Final year students are encouraged to take Seminars and projects which address cross cutting issues viz. green buildings, renewable energy, waste management, recycle and reuse of resources etc.

For Professional Ethics and Development, College has acquired/proposed Institutional Memberships of various Professional Associations like ISHRAE, FSAI, BAI, CSI, ISTE, CII. These Professional Associations get students and faculty involved with various events like seminars, conclave, workshops, jobfairs which provides opportunities to students and faculty to imbibe Professional Ethics and Skills.

In order to inculcate human values in students, the College is running an activity named *Sanganak Sadhana* under which students impart basic computer education to the school children of 5th to 10th class in *zilla parishad* schools in six surrounding villages. Through National Service Scheme (NSS), the Institution ensures students' participation in societal issues. The students and faculties have worked towards creating awareness about various governmental schemes like *Swachchh Bharat Abhiyan, Sukanya,* Digital India and VISAKA.

To make students better human beings, once in a week Music lessons are provided to all interested students. For building competitiveness, German Language is taught to all students. It is noteworthy here that students who aspire for MS/PhD in Germany are required to have Level – I German Certification.

File Description	Document
Any Additional Inormation	[View Document](#)
Link for Additional Information	[View Document](#)

1.3.2 Number of valued added courses imparting transferable and life skills offered during the last five years

Response: 5

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 5

File Description	Document
Details of the value-added courses imparting transferable and life skills	[View Document](#)
Any additional information	[View Document](#)
Brochure or any other document relating to value added courses.	[View Document](#)

1.3.3 Percentage of students undertaking field projects / internships

Response: 14.38

1.3.3.1 Number of students undertaking field projects or internships

Response: 114

File Description	Document
Institutional data in prescribed format	[View Document](#)
List of students enrolled	[View Document](#)
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents For design and review of syllabus semester wise/ year wise
A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A.Any 4 of the above

File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	[View Document](#)
Any additional information	[View Document](#)
URL for stakeholder feedback report	[View Document](#)

1.4.2 Feedback processes of the institution may be classified as follows:
A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	[View Document](#)
URL for feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrolment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 14.47

2.1.1.1 Number of students from other states and countries year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
102	94	70	45	18

File Description	Document
Any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
List of students (other states and countries)	[View Document](#)

2.1.2 Average Enrolment percentage (Average of last five years)

Response: 75.92

2.1.2.1 Number of students admitted year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
296	257	313	225	100

2.1.2.2 Number of sanctioned seats year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
300	300	360	300	300

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 45.95

2.1.3.1 Number of actual students admitted from the reserved categories year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
137	117	142	82	40

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The College assesses the academic prowess of the students by their score in qualifying exam for admission in the course, their response in class during initial period after admission and their enthusiasm during assignment/ practical sessions.

In order to learn more about each student's academic and personal background, we have now developed a new system of KYS – Know Your Student. The format of this KYS form is designed in such a manner that it will provide all information about a student that an Institution/Department needs to know, in progressive manner. This KYS has contents beyond academic data which encapsulates areas of motivation, career Goals, memorable experiences, SWOC, life satisfaction scale, sports and cultural achievements etc. This helps in understanding his performance patterns, aspirations and interests which is useful in his counselling.

To address the need of students having different levels of understanding of subjects, the Institution has set up following support systems:

For diploma students: Mathematics is one subject that students of Direct Second Year admission need to recoup. Special additional classes of Mathematics are conducted for these students on weekends, so that they can be at par with other students.

Remedial classes: As per the requirement and request of the students, for slow learners and weak students the college conducts remedial sessions. These sessions are arranged during weekends.

These students are also mentored by individual faculty member whenever they come up with the difficulties in understanding a subject.

All the teachers and students of a class form a WhatsApp group so that the academic discussion can be carried out even after the college hours.

Online Tests and Question Banks are provided by majority of Faculty Members for better insight into level of understanding of the subject matter.

For Advance Learners: These students are identified by their response in class/ laboratory/ during tutorials and their participation in departmental and co-curricular and extracurricular activities. The Institution understands that these students require different type of facilitation and hence provide them with various opportunities. Some of them are,

- These students are encouraged to become member and participate in the activities of various professional Associations and Student chapters such as FSAI, SAE India, ISHARE, BAI, CSI etc. By being with these Students Chapters, they get the opportunities to participate in Seminars, Workshops, Panel Discussions and Expositions to have a Futuristic Outlook of their Aspirations. Furthermore, these Professional Associations Conducts Competitions where in Members get opportunity to hone their skills and demonstrate higher level of Knowledge.

- The college encourages these students to participate in intercollegiate technical events so that they get an opportunity to showcase their knowledge and skills. They are supported completely for participation in national level events like BAJA, SUPRA and GO-Karting.

- Such students are mentored and guided for higher education abroad. Benefitted by these efforts, number of students from the College has gone out of the Country for post-graduation in Engineering and Management.
- Through the Students-Teachers WhatsApp groups, these students are kept informed about various competitions, workshops/ seminars/ education fairs, aptitude tests, training programmes being conducted in the city and organized by various institutions.

- Advanced learners are encouraged to interact with industries and take up industry sponsored research project in final year.

- In each department, toppers are awarded at the Annual Day Programme Celebrations of the College.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.2.2 Student - Full time teacher ratio

Response: 10.17

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.25

2.2.3.1 Number of differently abled students on rolls

Response: 2

File Description	Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this information	View Document
List of students(differently abled)	View Document

2.3 Teaching- learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

It is a constant endeavour of the Institution to make teaching more student-centric so that the final outcome is better learning experiences for students.

- Apart from the conventional classroom teaching, faculty members make use of various ICT based methods to make learning experience interesting and experiential. They make use of NPTEL videos and PowerPoint presentations for teaching. Various e-resources like these videos, presentations prepared by faculty members, e-books are also available to students for their independent learning.
- NPTEL Lectures have an inherent hurdle of downloading and maintaining database for individual faculty. To overcome this we have one of the faculties appointed as SPoC and complete database for all NPTEL Lectures has been copied on Hard Disk from IIT, Powai. This database is now available on Local Server for Faculty to be used intermittently for Lectures.
- While Certification and Grades could be availed from NPTEL, students are reluctant to pay Fees and SPPU does not have an arrangement to provide weightage for NPTEL Grades. However, We are promoting NPTEL based Certification among students as well as Faculty. Some Banners have been displayed at prominent places through College to improve knowledge of students about NPTEL Certification.
- The College has made high speed Internet connection available to everyone which makes it

possible for all the students to explore e-resources for self-learning.

- The computer laboratory of each department has Mock test modules for various subjects loaded on the computers where students can register themselves, take the test, get the score and self-analyse their performance.
- Under the presence of respective faculty member, well-equipped laboratories are kept open for students even after working hours if they wish to work on their projects.
- In addition, mock test, training for various aptitude tests, seminars and exposure visits are organized to make learning more participative and student-centric.
- The students are encouraged to go for internship / in-plant training to get first-hand experience of what they learn in classrooms.
- In tutorial classes, the assignments are designed to challenge the students' thinking ability and they are attended individually when they are solving those assignments.
- Collaborative learning is largely imparted when students work in a group of 4-5 of them on a project during final year. Student seminars provide an opportunity to self-learning, organizing the information available in a framework and deliver a presentation.
- Apart from the above, various activities under Students' chapter and Associations also provide them an opportunity to develop organizational abilities, leadership qualities, time and financial management and inter personal communication.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 85.9

2.3.2.1 Number of teachers using ICT

Response: 67

File Description	Document
Any additional information	[View Document](#)
List of teachers (using ICT for teaching)	[View Document](#)
Provide link for webpage describing the " LMS/ Academic management system"	[View Document](#)

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 16.52

2.3.3.1 Number of mentors

Response: 48

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

- Blended Learning in the form of Flip Class Room, MOOCs, Project Based Approach are all implemented on introductory basis. Considering we an Affiliated College, we need to stick to SPPU way of working. Besides statutory University Constraint, Level of Motivation and Aspiration of students is Big Concern when it comes to Blended Learning.
- Usage of Online Evaluation and Learning Systems has been implemented extensively for First Yeasr and Second Year Students, While Industry based Project Based Learning is more prevalent with Third Year and Final Year Students.
- MyExamo is Online Platform used for MCQ based evaluation for which FE & SE students are also motivated as SPPU conductes Two Online Exams on similar lines for a weightage of 50 % Theory Marks.
- Students from TE and BE are exposed to several Professional Associations like Socity of Automotive Engineers (SAE), Indian Society for Heating Refrigiration and Air-Conditioning Engineers (ISHRAE), Builders Association of India (BAI), Fire and Security Association of India (FSAI) through which they participate in Seceral Project Based Competitions like BAJA, RC-DC, CodePedia or get involved with Surveys or Volunteer Programs as is with FSAI. These activities provide them real life expirence with the kind of challenges those are involved with Jobs in these Professional Domain.
- Special efforts are taken to coordinate Educational Tours whenever Expositions for Industrial Products and Technology
- The College has appointed senior personnel having rich experience in industries and government institutions as adjunct faculties. They interact with faculty members and students on regular basis to bring in fresh and more relevant perspective to the whole teaching-learning exercise.

- The College library has a rich digital library available for various subjects where e-books and e-journals, NPTEL videos and other presentations are available. The faculty members make use of these e-resources while creating their own teaching content.

- Each department organizes guest lectures even on the curricular topics by inviting experienced persons from industry/ institutions. This not just provides opportunity to students to learn things from industry perspective, but also provides teachers with an opportunity to interact with outside experts.

- All the faculty members have dedicated desktop computer with Internet facility made available which helps them access all the latest information available in the subject area.

- The faculty members are encouraged to participate in FDPs, STTPs, National/International level seminars and workshops to keep themselves abreast of the new developments. This acquired knowledge is eventually transferred to students through classroom teaching.

- WhatsApp groups of subject teachers, HoD and students are developed every semester for each class. This help in exchanging lecture notes, assignments and answers to the queries even beyond working hours.

File Description	Document
Any additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 64.44

File Description	Document
Any additional information	[View Document](#)
Year wise full time teachers and sanctioned posts for 5 years	[View Document](#)
List of the faculty members authenticated by the Head of HEI	[View Document](#)

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 11.37

2.4.2.1 Number of full time teachers with Ph.D. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	3	4	3

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	[View Document](#)
Any additional information	[View Document](#)

2.4.3 Teaching experience of full time teachers in number of years

Response: 5.45

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	View Document

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 4.2

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
5	4	1	0	0

File Description	Document
e-copies of award letters (scanned or soft copy)	View Document
Institutional data in prescribed format	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 10.2

2.4.5.1 Number of full time teachers from other states year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
9	7	5	4	3

File Description	Document
Any additional information	View Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

Introduction of FE: Online Exams Twice in each semester after every 30 days on Two Units for each subject is conducted in MCQ format. These Exams are administered by SPPU with remote database on which Faculty has no control. The weightage for these Online Exam is 25 marks for each subject. Thus these exams as they happen with short interval keeps students focussed with Knowledge Acquisition process. Further more as only Two Units are to be prepared its easier for students to cope up with portion. Thus in Two Months 50% result is known for the Semester and those who are lagging can make up for their performance in remaining time of 2 months as they prepare for End Semester Subjective University Exam.

In similar manner Online Exmas are also conducted for Second Year courses, except for their schedule is like First year can be administered during Second Sem only. For Second year Lateral Entry students admission process that is administered by Directorate of TEchniical Education last till September, which limits for In-Sem evaluation using Online Exams during Sem-I.

Evaluation of faculty members: The Record book maintained by each faculty is regularly reviewed by the HoD for timely conduction of classes, coverage of syllabus, students' response to the teaching and students' engagement in laboratory/ tutorials. It also has record of guest lectures organized by the faculty, delivered outside, interaction with industries etc.

Apart from this, during departmental meetings**,** HoD and Academic co-ordinator of each department would interact with faculty members to learn about the planned teaching, current status and any difficulty experienced. They also make surprise rounds to ensure proper engagement of class by the faculty members.

At the end of the semester, faculty's Performance Index is calculated based on lectures/ practicals engaged, attendance of students in his / her classes, result of his / her respective subjects and research conducted. This Index helps in evaluating the performance of each teacher and take action accordingly.

Quality of teaching is also assessed based on students' feedback. Feedback about faculty is taken from the students at the end of the semester. Based on the feedback, HoD gives necessary directions for improvement in the teaching methods, if required.

Faculty members themselves interact with students to find out if students need any change/ modification in the way of teaching.

Apart from this, the Principal monitors the performance of faculty members by having informal interaction with the students. Based on students' feedback corrective actions are taken.

Recently, an Internal Quality Assurance Committee (IQAC) has been set up in the Institution

Evaluation of Students Performance: The KYS initiative planned to start from next semester will provide an up-to-date detail of each student's performance at the end of each semester. This will be helpful

in evaluating if the student is progressing normally or requires extra attention or is brilliant and needs to be provided extra shaping up efforts.

Students' performance is continuously assessed by their response and their participation in discussions in the class. It is also assessed during laboratory/ tutorial sessions based on the assignments submitted by them and question-answer on these assignments.

Performance of students is also assessed by result analysis after the in-semester and end-semester exams.

File Description	Document
Any additional information	[View Document](#)

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

- As BVCOELP is affiliated to SPPU, Mid-term examinations, subjective type (for TE and BE) and on-line MCQ Type (for FE and SE) for theory subjects are used for assessment of students' performance. For both these, during the semester evaluation be it MCQ On-Line or Subjective Mid Sem tests the Questions are provided by SPPU. Thus there is no question of bias. For On-Line MCQ based exams results are automatically generated immediately after completion of test by all students; thus Faculty cannot manipulate these results which are displayed on the same day. Internal marks are awarded as per University guidelines which are specified for continuous assessment which is maintained by each Faculty in Attendance Record Book for the classes and subjects that hs teaches during each semester. This assessment records are checked by Head of the Department on Monthly basis and by Principal atleast one time randomly during the semester. Review of Continuous assessment is taken during Principal's meeting with Head of Department on Monthly Basis.
- For practicals and tutorials, weekly evaluation is done giving due weightage to timely submission, understanding of the concept and way of presentation.
- For monitoring students' attendance in class and laboratories, attendance in each subject is compiled and displayed on notice board at the end of each month. A defaulter's list is prepared based on this. Defaulters are informed personally as well as letters are sent to their parents.
- Apart from this, internal tests conducted for each subject after completion of the syllabus and before University end-semester examination. After this exam, the answers to the questions are discussed in the class and model answer is explained to them.
- The University conducts end-semester examinations in both theory and practical subjects and arranges evaluation. For evaluation of projects, external examiner is appointed by the University and University guidelines are followed for the evaluation.

Hence, a combination of mid-semester exam, end-semester exam, prelim test before end- semester exam, assignments, orals during practical/ tutorial sessions and question-answer during classroom teaching provide ample opportunities to keep an eye on a student's performance at regular interval throughout the semester.

At the end of every semester, the College takes students' feedback and corrective actions are taken for more effective teaching–learning process.

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

For University exams:

The Institution is affiliated to SPPU and hence follows examination system stipulated by the University. The Institution conducts exams as per the University schedule and guidelines. Students are made aware of the examination pattern and evaluation pattern right in the beginning of the semester. Throughout the semester, the Chief Examination Officer and Examination Cell of the College ensure that all the Notices/circulars received from SPPU regarding examination/ evaluation process are communicated to respective beneficiary – Students, teachers, office staff or all of them. A Grievance Redressal Committee is constituted at the Institute to address various issues.

Redressal of grievances is permitted by the University only for end semester theory examinations. It is observed that for online exams, term work/oral/practical, project, seminar examination

- After the results are declared by the University, if any student has any grievance about the result, he/ she can apply for photo copy of the answer sheets, which are provided by the University on payment of prescribed fees.
- If the student has grievance after receiving photo copy of answer sheet, then he/she can apply for re-totaling or revaluation by paying requisite fees.

For Internal exams:

For the internal tests, the Guardian Faculty Members (GFM) of each class maintains the record of marks obtained in each subject by all the students.

- The results are shared with the students and concerned faculty members address the queries of the students; the answers are discussed to improve their performance in future and to bring out the discrepancies, if any.
- Department test coordinator maintains the record of the result of in-semester examinations conducted every semester.
- Students can approach the Head of the Department, in case of any grievances.

Faculty is always been considerate and the Internal marks always exceeed external examination performance by atleast 10%.

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The Academic Calendar is prepared well in advance – that is at the end of the previous semester. While designing the calendar, dates of commencement of classes, internal tests, holidays, end semester practical and theory examinations, total number of working days etc. is taken as per the University guidelines.

The time table coordinator for each department ensures that the departmental time-table is prepared as per the curriculum structure and is received by all the concerned faculty members.

- For theory courses, throughout the semester, each faculty member plans for continuous assessment of the students' performance through number of assignments and question-answer sessions. The scheduling for this is done by respective faculty members within the purview of his/ her timetable.

- After completion of the syllabus, a prelim test is conducted on the lines of University end-semester exam to provide practice to the students. Based on the evaluation of their answer books, a session is conducted with the class to discuss the shortcomings in their answers and model answers. This helps them in improving their performance in the actual end-semester examination.

- For laboratory courses, continuous evaluation of the student is done in every session on the basis of timely submission, understanding and presentation of the work assigned in the previous session.

- In each department, final year projects are evaluated continuously. In the Students' Attendance Record Book that each faculty maintains, the attendance and performance of the students is maintained by the guide.

File Description	Document
Link for Additional Information	[View Document]()

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

The Institution is affiliated to SPPU and POs and COs are well-spelt by the University. Hence, the same are applicable at BVCoEL. However, it is our constant endeavour to keep improving whatever we are doing. Hence, apart from those stated, the course outcomes are also discussed in the departmental meetings and decision is taken if any addition is required. The same are known to the teachers. These are also displayed on our website. POs and COs are also included on each department's DMS for the knowledge of students and teachers, both.

File Description	Document
Link for Additional Information	[View Document]()

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The Institution is affiliated to SPPU and POs and COs are well-spelt by the University. A relevance mapping is done for POs and COs to correlate the achievement of POs through different COs. The same is displayed on website and departmental DMS.

The Institution has a definite system in place to monitor the attainment of POs and COs.

Students' attendance is one parameter contributing to attainment of COs. It is monitored regularly. Every fortnight, attendance is compiled and displayed on notice board. The parents of those students who have lower attendance are informed by phone/ sending letters/ sending messages.

There are other direct methods to keep tab on attainment of POs and COs like result analysis and assessment of projects and indirect methods like student participation in extra and co-curricular activities and students' progression in terms of placement and higher studies. The direct assessment methods comprise of mini class tests, on-line tests, assignments, mid-term tests, prelim tests, continuous assessment during practical etc. All these during-the-semester methods give an opportunity to self-analysis and help in identifying the problem areas. Accordingly, corrective actions are taken by both, students as well as faculty members. The result analysis of end-semester exam provides insight into the productivity of all the corrective actions taken during the semester. The results are available both, online on university website and in physical form at the Institute. Parents can also view the results; however, detailed result analysis with identified trends and patterns help making further corrections in teaching methods.

Apart from these, extra efforts are made to bridge the gap between course curriculum and skills required for students' progression. This is achieved by organizing guest lectures, bridge courses, industrial visits, promoting students for industry-supported projects and internships, by arranging classes for languages, soft skills and career counseling.

File Description	Document
Link for Additional Information	[View Document](#)

2.6.3 Average pass percentage of Students

Response: 93.21

2.6.3.1 Total number of final year students who passed the university examination

Response: 206

2.6.3.2 Total number of final year students who appeared for the examination

Response: 221

File Description	Document
Any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Database of all currently enrolled students	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years

Response: 0.49

3.1.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during the last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0.34	0.15	0	0	0

File Description	Document
List of project and grant details	[View Document]
e-copies of the grant award letters for research projects sponsored by non-government	[View Document]

3.1.2 Average number of research projects per teacher funded by government and non government agencies during the last five years

Response: 0.12

3.1.2.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 7

File Description	Document
List of research projects and funding details	[View Document]
Supporting document from Funding Agency	[View Document]

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The Institution is well aware that Research and Academics go hand-in-hand. For excellence in academics, continuous updating of knowledge, interaction with industries and research institutions, interdisciplinary projects and technical discussions with academicians are very necessary. The College runs only UG courses where extensive research is little difficult. Hence, the Institution does not have an Incubation Centre at the moment. However, acknowledging the importance of research, the Institution has created an environment for innovations by promoting various activities that would help achieving the objectives mentioned above.

- The Institution has appointed Adjunct Faculty Members having vast experience in industries and government agencies. They bring in information about latest developments in the subject area for the benefit of teachers and students.

- The Institution has membership and Students' chapters of various professional bodies like Fire and Security Association of India (FSAI), ISHRAE, Builders' Association of India (BAI), SAE India, ISTE, CSI etc. and there's regular participation in activities of these professional bodies. This keeps the faculty members updated about the latest developments. This also provides an opportunity to students to interact with experts from industries and understand industry requirements which may lead to entrepreneurship development.

- The College promotes and arranges internships and in-plant trainings for the students to provide them an opportunity for on-hand experience in their subject area.

- College also promotes and facilitates participation of students in various technical events and competitions.

- The faculty members are extended full support for attending technical seminars/ workshops and meets. Apart from granting them leave for attending such events, the registration fee is also paid up by the Institution. Faculty members are encouraged to publish papers in journals and present papers at conferences. There is a sizable number of technical papers published in National and International journals by the faculty members. They have also attended technical events organized at various places in the country.

- With the help of the linkages developed with industries, the Institution has set-up a Skill Development Centre on the campus. This Centre has equipment panels worth almost Rs. 10,00,000/- which is contributed by various industries, to benefit E & TC, Mechanical and Civil Engineering Departments.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 25

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
13	9	1	1	1

File Description	Document
Report of the event	[View Document](#)
List of workshops/seminars during the last 5 years	[View Document](#)

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
List of Awardees and Award details	[View Document](#)
e- copies of the letters of awards	[View Document](#)

3.3.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.15

3.3.3.1 Number of research papers in the Journals notified on UGC website during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
13	16	3	1	1

File Description	Document
List of research papers by title, author, department, name and year of publication	[View Document](#)

3.3.4 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 0.18

3.3.4.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
11	8	9	4	2

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

It is one of the goals of the Institution to strive for well-rounded development of its students. Holistic development and sensitization of our students towards social issues is attempted through various activities.

- Students from various departments come together for *Sanganak Sadhana* under which they go to the *Zilla Parishad* schools in 6 surrounding villages and impart basic computer training to the students of 5th to 10th classes.

- Under NSS, the students go to surrounding villages and by setting up their own example, sensitize village residents towards *Swachchh Bharat Abhiyan*. After demonetization, the students educated village residents in using various online purchase options and Apps for cashless transactions. Lectures by experts are also arranged in the villages for providing information on various relevant

issues like hygiene, how to do cashless transactions, digital India and supporting a girl child.

- In collaboration with FSAI, students participate in activities with social cause. They have run a Traffic Safety campaign and actively participated in organizing half marathon for creating awareness about fitness as well as about fire, safety and security. Our students also participated in arranging Fire Safety Drillin schools alongside FSAI and Fire Brigade.

- Students and faculty members very regularly arrange and participate in Blood Donation Camp, Tree Plantation and Eye Donation Pledge.

- The students from various departments have formed a group to help and support 2 orphanages. They not only arrange for the things like books, schoolbags and clothes for the orphan children, but also arrange for their birthday celebrations, celebrations of Independence Day, few festivals and visit to Science Centre for knowledge with fun.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

3.4.2 Number of awards and recognitions received for extension activities from Government /recognised bodies during the last five years

Response: 4

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	1	0	0	0

File Description	Document
Number of awards for extension activities in last 5 years	[View Document](#)
e-copy of the award letters	[View Document](#)

3.4.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Response: 13

3.4.3.1 Number of extension and outreach programs conducted in collaboration with industry,community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc.,year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
8	4	1	0	0

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	[View Document](#)
Reports of the event organized	[View Document](#)

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 25.82

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
678	236	40	0	0

File Description	Document
Report of the event	[View Document](#)
Average percentage of students participating in extension activities with Govt. or NGO etc.	[View Document](#)

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 96

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
40	42	12	2	0

File Description	Document
Copies of collaboration	View Document
Any additional information	View Document
Number of Collaborative activities for research, faculty etc.	View Document

3.5.2 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 2

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	0	0	0

File Description	Document
Details of functional MoUs with institutions of national, international importance,other universities etc. during the last five years	View Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

BharatiVidyapeeth's College Of Engineering, Lavale, Pune is affiliated to **SavitribaiPhule Pune University,** Which is One of the Most Renowned and Oldest Universities in India. College admits students from Common Admission Process (CAP) conducted by Directorate of Technical Education and Government of Maharashtra.Out of the current intake of 1140, total admitted students are 793 for Mechanical, Civil, E&TC and Computer Engineering Departments. Around 60% of the students admitted are from Reservation Categories or from Economically Backward Category. The Financial Assistance for these students is Processed by Department of Social Welfare, Govt. of Maharashtra. To cater to the needs of the students from four department, Infrastructure facilities available with four departments and allied departments. The details in terms of area and investment is presented in the table below:

Institute Facilities

Sr. No.	Department	No. of Classrooms	No. of Laboratories	Instructional Built-up Area	Laboratory Investment till date (In Lakhs)
1	Civil Engg.	3	8	7145 Sq. M. (Including Workshop, Computer Center, Library, Seminar Hall)	81.45
2	Computer Engg	2	8		74.63
3	E&TC	2	8		54.31
4	Mechanical Engg	5	14		151

The other infrastructure facilities available are Library with reading room, digital libraries with free journal access to students and faculties, Canteen, student mess, Seminar Halls, 32 MBPS Internet with Wi-Fi at Designated locations, Volley ball, Basket Ball and Kabaddi ground, Gymnasium, Open Air Amphitheater and Hostels for Boys and Girls. The Training and Placement cell of the institute is very active and it invites renowned companies from different fields for Campus Placements besides marque Job Fair Every year. There is Bharati Vidyapeet's Rural Medical Hospital on Campus which provides treatment to students at discounted rates and also conducts Blood Donation, Eye Donation Pledge and Other General Hygiene Camps. For transportation of students and faculty members from different areas of the city, College runs 8 buses.

File Description	Document
Link for Additional Information	[View Document](#)

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor) gymnasium, yoga centre etc. and cultural activities

Response:

The College has a playground and huge open space available for outdoor games like volley ball, kho-kho, kabaddi and cricket.

The Institute provides sports kit and sports materials for students who participate in various inter collegiate/ zonal/ state level sports competitions.

Facilities are available for indoor games like carom, table tennis and chess.

A full time qualified Physical Director is appointed to look after the games and sports activities of the Institute. She organizes annual sports event every year. She also ensures that students train and participate in cricket, volleyball, football, kabaddi, chess, carom and yoga tournaments at various levels. Our students have participated at various inter-collegiate, university level and zonal tournaments.

A team comprising students and faculty members also participated in FSAI supported Corporate Cricket Jung.

The Physical Director is also Joint Secretary, Sports of the SPPU. The College organized inter-collegiate Yoga competition and cross-country race for the University.

The College has a well-equipped gymnasium.

For cultural activities, the Institute has an Amphitheatre with a sitting capacity of 600.

Every year students organize cultural event where they get an opportunity to show their talent through singing, acting, pantomime and dancing.

The students also participate in various inter-college cultural events.

File Description	Document
additional information	View Document
Link for Additional Information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 80

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 12

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 39.46

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
246	282	203	287	207

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Bharati Vidyapeeth's College of Engineering, Lavale, Pune has extensive Library with 4100 square feet and Total Number Books: 9068 with total book titles : 1310. The Library management Systems is the part of Academic ERP suit provided by Pure Study. The snapshots of various Library routines available from LMS such as Issue/Submit, User Management, Shelf Management, Vendor, Rule Manager, BarCode, News Paper, Journals and Magazine, Project Reports, Communications, Book Log Reports are uploaded herewith for ready reference.

The Link for LMS details is password protected hence may not work. Links for OPAC and Other Library details are also available from College Website, tab for which is provided.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

Bharati Vidyapeeth's College of Engineering Lavale, Pune has undergraduate course only. Considering our rural setting and academic aspirations of First Generation Engineers who are admitted with us instead of Rare Books, Manuscripts and Special Reports essential Collection is of Books on Personality Development, Career Guidance and Women's Empowerment. Accordingly these three Collections are developed after lot of Brain Storming and coherent thought process. Students are provided with One hour slot per week to visit Library and explore resources beyond statutory Books required for their Subject knowledge. Considering that Digital Library with Ten Computers is available, Students prefer to browse information from websites. Library committee which comprises of Librarian, Principal, All HoDs and Two Faculty and Students Representatives conducts Two Meetings per Semester, One at the Beginning and One at the End of Semester during which aspirations and requirement from Students are sought. Thus, in due course of time when the aspirations of Students are inclined for Rare Books, Manuscripts and Special Reports they will be procured.

4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Any additional information	[View Document](#)
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	[View Document](#)

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in lakhs)

Response: 12.17

4.2.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
17.19	10.13	8.7	10.23	14.62

File Description	Document
Audited statements of accounts	[View Document](#)
Details of annual expenditure for purchase of books and journals during the last five years	[View Document](#)

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	[View Document](#)

4.2.6 Percentage per day usage of library by teachers and students

Response: 16.07

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 140

File Description	Document
Details of library usage by teachers and students	[View Document](#)
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The Institute earlier had 16 Mbps system while now has 32 Mbps system for Wi-Fi and LAN on the college campus which is made available to all the students, faculty members, library and class rooms and seminar halls. Number of printers and scanners keep increasing as per the need. Even the number of computers has kept increasing over the years and has now reached 335, which is sufficient to meet all the requirements of students and faculty members.

Recently, the Institute has signed an agreement with Reliance Jio to set up Jio 4G network in Building Solution. Reliance Jio IBS is an additional facility for students and faculty members over and above the above mentioned Wi-Fi network.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

4.3.2 Student - Computer ratio

Response: 2.37

File Description	Document
Student - Computer ratio	[View Document](#)
Any additional information	[View Document](#)

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
<5 MBPS

5-20 MBPS

20-35 MBPS

35-50 MBPS

Response: 20-35 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	[View Document](#)
Additional information	[View Document](#)

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 6.13

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
58.78	57.98	36.83	17.51	29.22

File Description	Document
Audited statements of accounts.	[View Document](#)
Details about assigned budget and expenditure on physical facilities and academic facilities	[View Document](#)

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

- For any purchase and maintenance of infrastructural facilities, the request by concerned faculty member is put up to the Principal through Head of the Department. The Principal sends all the requisitions to the Administrative Officer who represents the demands at the office of parent

institution i.e. Bharati Vidyapeeth Bhavan.

- Purchase/ maintenance is taken up as soon as the permission is received from the Bhavan.

- An electrician is on the payroll of the College who takes care of all the repairs and maintenance of electrical problems. Similarly, one person is employed for small civil work related repairs and maintenance. The plantations and upkeep of garden is managed by this person through hired daily wagers. For major civil repairs and maintenance external agency is hired after receiving the permission for expenditure.

- For regular cleaning of the building, an external agency is appointed. The agency provides sweepers and a supervisor for maintaining building hygiene on daily basis. The Administrative Office checks the work done by the agency twice in a week.

- Laboratory equipment maintenance is done by each department. Each laboratory in-charge faculty member checks the equipment well before the start of the semester and takes a master reading to ensure proper working of the equipment.

- Calibration of precision equipment is done once in a year by following the standard procedure. The laboratory in-charge along with the lab assistants arrange for the safe placement of equipment and keep surveillance for the smooth working.

- The institute also has 250 kVA Diesel Generator set to take care of the power failure eventuality.

- An AMC is given to an external agency for the maintenance of all computers, printers, CCTV system and LCD projectors of the college.

- An AMC is given to external agency for the maintenance of water treatment plant, sewage treatment plant and water purifiers installed in the college.

Expenditure on Maintenance of Facilities

Head of expenditure	2016-17	2015-16	2014-15	2013-14	20
Furniture and Telephone	1890540	566000	3841775	2240886	56
Laboratory & Equipment	1489406	4971688	8012231	16193467	26
Computers & peripherals	501259	825057	963486	2140786	46
Housekeeping & Gardens	1106305	917874	1028580	1028580	36
Vehicles	3809799	19046680	2626077	3629806	-

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 47.87

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
432	356	244	139	42

File Description	Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)
upload self attested letter with the list of students sanctioned scholarships	[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 0.16

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	3	0	0	0

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	[View Document](#)
Any additional information	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Any additional information	View Document
Details of capability enhancement and development schemes	View Document

5.1.4 Average percentage of student benefitted by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 11.14

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
251	167	0	0	0

File Description	Document
Any additional information	
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	

5.1.5 Average percentage of students benefitted by Vocational Education and Training (VET) during the last five years

Response: 8.34

5.1.5.1 Number of students attending VET year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
82	123	78	0	0

File Description	Document
Details of the students benifitted by VET	
Any additional information	

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	
Details of student grievances including sexual harassment and ragging cases	

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 73.8

5.2.1.1 Number of outgoing students placed year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
77	37	1	1	1

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 8.74

5.2.2.1 Number of outgoing students progressing to higher education

Response: 18

File Description	Document
Details of student progression to higher education	View Document
Upload supporting data for student/alumni	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: NET/SLET/GATE/ GMAT/CAT, GRE/ TOFEL/ Civil Services/State government examinations)

Response: 64.49

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
15	2	1	1	1

5.2.3.2 Number of students who have appeared for the exams year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
82	48	1	1	1

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.

Response: 9

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	3	5	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The educational institutions should work towards inculcating democratic values in students. In order to make students participate in academic and administrative activities related to the Institution, a Student Council has been constituted. In the meetings of the Council, students' requirements and perspectives are discussed which helps the Institution to plan supporting activities for students. Apart from this, students are also inducted as members on various committees like IQAC, Library Committee and College Development Committee. As members of College Development Committee, students get an opportunity to have their say in not just academic but also administrative activities of the Institution.

Apart from these, each department has formed Students' Association – CESA, MESA, BETA and ASCE. Under the guidance of one faculty member and the HoD, these Associations have a totally democratic

constitution with office bearers elected from among the students by students. The Associations are actively involved with the Departmental activities like arranging guest lectures, support the faculty member in organizing exposure visits, organizing Techfests, organizing cultural events, celebrations of Engineer's day, Teacher's day and festivals etc. This provides them an experience in developing inter-personal skills, administrative skills and management skills. While working for the Association, they also get to learn about budgeting, economizing on expenditure, maintaining accounts and audits.

We, at BVCoEL also have membership of various professional bodies like FSAI, BAI, ISHRAE, SAE India, CSI and ISTE. Students are actively involved with organizing of all the activities and technical events of these professional bodies. This gives them an opportunity to interact with the Corporate World and learn about professional ethics and practices through their own interaction and observations.

Thus, the Institution provides ample opportunities to students to contribute towards academic and administrative betterment of the Institution.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 11.4

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
10	17	11	10	9

File Description	Document
Number of sports and cultural activities / competitions organised per year	[View Document](#)
Report of the event	[View Document](#)

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the

development of the institution through financial and non financial means during the last five years

Response:

The Institution is just 2-passout batches old. The application for Alumni Association Registration has been submitted and the process is under progress, the Alumni Cell has been mandated to create an environment for the growth of our students in association with our Alumni for generating intellectual capability, innovation, skill development and entrepreneurship in partnership with industry.

Our alumni are spread across globally, from higher education in USA and UK to employment in local SMEs and aspiring ones have taken up entrepreneurship in corporate sectors. The alumni are the link between the past and the present which shall pave way for the future. The strength of our alumni is our pride.

Key Highlights:

1. Alumni Meet : This is scheduled every year during the month of January in the academic calendar of the college. An Alumni 2016 meet was conducted on 8th Jan 2017 and alumni 2017 meet will happen on 20th Jan 2018.
2. Alumni Association : "BVCOE Lavale Pune Alumni Association (BVCOELPAA)" is in the process of being registered and already 290 students out of total passed out students 323 are already its members.
3. Alumni Club : This will be established in June 2018 when our third batch will pass out.
4. Alumni contribution so far : Rs. 4,74,500/-

In Indian context, Universities need to have a look out at their business as an endeavor for social upliftment, knowledge creation and self-sustainability. Whilst claims are made to abide by preceding outlook, we hardly find any university or college which has an arrangement for Alumni Endowment Fund. It is our long-term plan to develop homogenous relations with our alumni and keep contributing to their development so that at some point of time, they can be looked at as Resource Centre for cultivating research, entrepreneurship and employment.

The Alumnus keep on sharing their professional experiences for skill development of the students in their respective departments (Mech/Civil/E&Tc/Comp). However, our College is just two-batches old. Our students have either just started their professional career or are pursuing higher studies or preparing for/ appearing for competitive tests. Hence, their contributions – both monetary and otherwise – could be expected only after a while. An alumnus of Bharati Vidyapeeth Dr. Tansen Chaudhari is providing his services as Adjunct Faculty at our Mechanical Engineering department and has also contributed financially towards facility creation at the Institution.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

5.4.2 Alumni contribution during the last five years

<1 Lakh

1 Lakh - 3 Lakhs

3 Lakhs - 4 Lakhs

4 Lakhs - 5 Lakhs

Response: 4 Lakhs - 5 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 1

5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	0	0	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document
Report of the event	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Vision:

Social transformation through dynamic education

Mission:

To nurture young minds and make them realize the true potential of delivery to fulfill the purpose of their sole existence by way of discovery, innovation, leadership and service

The Mission of the Institution is reflecting its Vision and the governance of the Institution, through its able leadership at top as well as middle level is striving to achieve the Vision. A few examples:

- The Institute has strong linkages with industries through MoUs for faculty training, student internships, in-plant training and sponsored research projects.

- People from industries having vast experience are appointed as Adjunct faculty in the departments. This provides an opportunity to both, students and faculties, to keep themselves abreast with the changing needs and latest developments.

- The College has taken membership of professional bodies like FSAI, ISHRAE, BAI, CSI and ISTE. Participation in various activities of these bodies provides latest professional exposure to the students and faculty members.

- The Institution promotes higher education abroad and provides constant guidance for preparation for GRE/ TOEFL/ IELTS, application to various Universities, application for Associateship etc. in different countries. Number of faculty members and students have benefitted with this activity, so far.

- To develop the spirit of competition along with sportsmanship among our students, the College organizes annual Jobfair where large number of companies is invited for placement, in-plant training and joint research and students from different colleges are also invited to participate along with our students.

- Each department has established Students' Association. These Associations have student representatives elected to various positions like General Secretary, Joint Secretary, Treasurer, Registrar, Editor, Public Relation Officer, Technical Coordinator and Cultural Coordinator. The Association is run in a democratic manner and organizes various technical as well as cultural events at department level during the year. This inculcates the sense of leadership as well as provides training to the students in both, leading a team and working as a team member.

- To develop the sense of responsibility towards society, awareness about global/ societal issues and benevolence in our students, various activities like *Sanganak Sadhana* (teaching computer basics to schoolchildren in *zilla parishad* schools of six nearby villages), educating people of nearby villages about *digi-dhan,* cashless transactions, government scheme for girl child – *sukanya, swachchh bharat abhiyan,* blood donation camps, eye donation pledge, tree plantation, traffic safety drive, personal hygiene drive etc. are regularly organized by the Institution.

File Description	Document
Link for Additional Information	**View Document**

6.1.2 The institution practices decentralization and participative management

Response:

- There are four departments in the College – Mechanical, Civil, Computer and E & TC. All these departments have their own Students' Associations – MESA, CESA, ACES and BETA.

- These Associations work under the guidance of two faculty members; however, it is basically a student-run activity.

- The formation of the Association is done in a democratic manner. From the students of SE, TE and BE students' representatives are elected for the positions of General Secretary, Joint Secretary, Treasurer, Registrar, Editor, Public Relation Officer, Technical Coordinator and Cultural Coordinator. Each office bearer has a definite role.

- The Association organizes various technical events in the department all through the year. These include organizing guest lectures, participation in national events like BAJA, SUPRA and Go Karting, organizing tech-fests, participating in inter-college competitions etc.

- The Association is also responsible for various extra-curricular activities like festival celebrations, organizing cultural events and celebration of Teachers' Day, Engineers' Day etc.

- For organizing any event, the Association prepares a plan in terms of assignment of duties and budget for expenditure. It is discussed with the faculty members attached to the Association. Once approved by all the concerned, the execution is done as per the plan.

- For the college-level events like Annual Cultural Celebrations, Sports Week and Workshops/ Seminars, the budget would come from the College but all the Associations work together for the implementation.

- The Association collects membership fees from each student and maintains proper record of the expenditure. The accounts are audited every year.

This activity is a brilliant example of decentralization and participative management and provides training to the students in both, leading a team and working as a team member.

File Description	Document
Any additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The Strategic Plan for BVCOE, Lavlae, Pune to attend Goals identified based on Vision and Mission is

1. To Promote Higher Education Abroad

2. To have Start Ups on Campus

3. Employability Enhacement By Having Several Professional Associations on Campus

4. Campuis Placements by Having Job Fairs

5. Promotion of MOOCS, ICT & Experiential Learning

First Perspective is reflected in our Fucntioning as Seven Faculty are in USA for PhD. Start-Ups on Campus are Yet to be Realized. There are Several Professional Associations Like ISHRAE, FSAI, SAE, BAI, ISH, ISTE and many more in Pipe line. 150 students and 10 Faculty members are visiting ACREX and FSIE at Bangalore during 22nd to 24th March 2018 one of the Key activity of Associations. We have already Conducted FSAI Job Fare and Students have already participated in ISHRAE Job Junction. We have separate doamin for ICT and NPTEL. Experientital Learning is promote through In-Plant TRaining, Industrial Projects and Visits besides participation of Students in Activities like BAJA, RC-DC etc.

- The work starts right from changing mindset. Majority of the students at our College come from rural/ economically weak background. These students have a phobia of going out of the Country, of being in English-speaking place. Hence, regular meeting are held with students to initiate thinking about possibility of studying abroad.

- When a few students are found interested, a WhatsApp group is created to have more focused discussions and to provide guidance even after working hours.

- The aspirants are provided guidance about everything related – how to enroll for GRE/ TOEFL/ IELTS, fees payable, books to be referred, tips to improve score in these exams, applying to various Universities etc.

- Alongwith the admission to University, efforts are also made to arrange full assistantship for the selected candidates. This would be a big boon especially for those students who are from

economically weaker section.

- Expert lectures are also arranged for guiding the aspirants time-to-time.

- So far, 9 students have benefitted with this endeavor.

- The same facility is also extended to faculty members who wish to do MS or PhD in Engineering. With the guidance provided, so far, 3 faculty members from our Mechanical, Computer and E & TC departments and 4 from other colleges have gone abroad for higher education with full assistantship.

File Description	Document
Any additional information	[View Document](#)
Strategic Plan and deployment documents on the website	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Bharati Vidyapeeth's College of Engineering, Lavale, Pune is affiliated to Savitribai Phule Pune University (SPPU Formerly Pune University). Functioning of SPPU is as per directives of Maharashtra Universities Act (MCA). As per MCA, BVCOELP has constituted Local Management Committee (LMC) and Governing Body (BoG) since its inception. SPPU used to scrutiny functioning of affiliated colleges by sending review team "Local Inquiry Committee" (LIC). LIC visit used to verify Minutes of Meeting conducted by LMC and BoG, Besides Infrastructure and Faculty fulfillment as per AICTE norms. All major changes required at College Level are to be approved by LMC and BoG without that Bharati Vidyapeeth does not provide resolution for its implementation. Three such exemplary changes are

- Change in Name from Bharati Vidyapeeth's Group of Institutes Technical Campus, Lavale, Pune to Bharati Vidyapeeth's College of Engineering, Lavale, Pune
- Additional intake for Direct Second Year Mechanical from 2014-15
- Closure of Electronics branch from 2015-16

About Administrative Setup, Dr. Patangrao Kadam is founder of Bharati Vidyapeeth which is parent body of BVCOELP. Secretary, Bharati Vidyapeeth is final authority for Recruitment and Promotion of Faculty and Administrative Staff. Secretary is supported by Joint Secretaries for Administration, Legal and Estate Matters besides Finance Director. Principal for BVCOELP directly reports to Joint Secretaries for routine matters and to Secretary for all major Faculty Induction or Infrastructure Development. Principal is assisted by Head's of Department for smooth conduct of Academics and Administrative Office has Accountant, Cashier and Clerks for Personal, Inward-Outward, Students Section, Exam Section,

Certification, Scholarship Processing. HoD's appoint Guardian Faculty Members each for 20-30 students to assess attendance and performance of students.

BVCOELP has Service Record Book for each Faculty and Staff which has record for Biometrics, Appointment Orders, Leaves Entitlement, Disciplinary Actions, Appraisals for Faculty or Staff. Service rules are as per AICTE norms.

Recruitment Procedure for BVCOELP is administered by SPPU wherein A Letter is issued by SPPU normally in the month of December to verify Faculty requirements and Roaster Checking for its affiliated colleges. SPPU issues Faculty requirements with splitting as per reservation norms provided by Government of Maharashtra. Based on this Faculty Roaster Approval, Bharati Vidyapeeth publishes Advertisement in Daily Newspaper. This advertisement is to be approved by SPPU recruitment cell. SPPU appoints Selection Committee Panel which has Vice-Chancellor's Nominee and Reservation Cell Nominee besides One or Two Subject Experts for each Program. Secretary, Bharati Vidyapeeth declares date for conducting Interviews at a date mutually agreed upon by SPPU Panel. Selection Committee report with Appointment Letters for shortlisted candidates issued by Secretary, Bharati Vidyapeeth is to be submitted to SPPU within 72 hours of conducting interviews. Such report is evaluated by SPPU for Approval of Faculty after verification all credentials.

Grievance Redressal Committee, Internal Complaints Committee, RTI Act Committee, Reservation Cell, Anti Ragging Committee and all the other committees mandated by UGC and AICTE for addressing the grievances of various stakeholders are in place.

File Description	Document
Any additional information	[View Document](View%20Document)
Link for Additional Information	[View Document](View%20Document)

6.2.3 Implementation of e-governance in areas of operation: 1.Planning and Development 2. Administration 3. Finance and Accounts 4. Student Admission and Support 5.Examination
A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: B. Any 4 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP Document	[View Document](#)
Any additional information	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The Institution comes under the purview of Maharashtra Universities Act. The parent organization of the College – Bharati Vidyapeeth – also has stipulated procedures. Accordingly, The Institution has constituted required bodies and committees for efficient functioning as well as constant quality improvement. These bodies and committees meet at stipulated time interval. These meetings are minuted and the record of the meetings is maintained.

During one of the meetings of Head of the Departments with the Principal, it was mentioned that there was a need to bring industry perspective to the regular teaching-learning process at the College. The discussion followed and it was proposed to engage experienced people from industry/ government organizations/ R & D institutions at the Institution. The matter was taken up at the next LMC meeting and appointment of Adjunct faculty members was approved.

Then on, the departments identify a few people from industry/ institutions, recognized for their prowess in their subject area. Their biodata are evaluated by the respective HoDs, names are forwarded to the Principal who ultimately recommend them to the Governing Body. Governing body approves the appointment of Adjunct faculty members. The Institution has been regularly appointing adjunct faculties in different departments during different time intervals. These faculty members take classes on some latest topic, arrange for industrial exposure visits, guides faculty and students in research, guides students about different competitive exams and also provide information on scope for jobs at various institutions/ organizations/ industries, the recruitment process and areas of skill enhancement for different types of jobs. So, apart from working for academics and research, this activity of appointing Adjunct Faculty is also helpful in improving employability of the students.

This is just one example. These committees and bodies have been constantly providing impetus to the achievement of the Vision and Mission of the Institution.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Various welfare measures taken by the Institution for teaching and non-teaching staff are as follows:

- The regular staff members are covered under a health scheme under which they get free treatment at Bharati Hospital.

- For the family of the regular staff members part reimbursement of the expenditure is made by the Institution in the event of major sickness and hospitalization.
- The Institute has taken a group insurance covering all the regular employees.
- There is a hospital on the campus for immediate consultation.

- The regular staff members are entitled to Medical Leave, Maternity Leave and Paternity Leave.

- Uniforms to Peons, Laboratory Attendants and Workshop Staff are provided by the Institute.

- All regular staff members are entitled to Employees' Provident Fund (EPF).

- Gratuity is payable to the employees after 5 years of permanent service. All staff members are eligible for this benefit.

- All the non-teaching staff members can get loan for various purposes from Bharati Sahakari Bank Ltd.

File Description	Document
Any additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 82.52

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
46	39	19	24	17

File Description	Document
Any additional information	[View Document](#)
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	[View Document](#)

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 7.8

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
15	13	11	0	0

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	[View Document](#)
Reports of Academic Staff College or similar centers	[View Document](#)

6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years

Response: 34.85

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
20	18	13	7	6

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

The performance of a faculty member is assessed on the basis of his delivery in shouldering his assigned duties and responsibilities, co-curricular and extra-curricular activities, administrative affairs, institutional development, research and social service.

The Attendance Record Book designed by the Institution helps in assessing the performance of each faculty member in terms of Academic Performance Indicator (API). This is calculated at the end of each semester and provides insight into a faculty's performance in terms of engagement of classes, student's attendance, research and the result in his subject.

Apart from this, the Institute has multiple level appraisal system. The first step is self-appraisal by the faculty himself/ herself. Based on the result analysis of the mid-term and end semester exams, faculty members find out the problem areas where students could not understand the subject. They make modifications in their teaching accordingly.

Second step is students' feedback on their teachers at the end of the semester. A system is in place now where feedback from other stakeholders, i.e. industries, parents and alumni are also received and maintained.

Third step is appraisal done by the Head of the Department periodically through a well-designed Confidential Report. The performance of the faculty is evaluated in terms of regularity, motivation and cooperation, clarity of ideas, delivery of lectures in class, innovation in ideas and teaching methods etc. This report goes to the Principal and then to the Management with his remarks.

Apart from these, the Principal have informal talks with students directly to know their views about faculty members in their department.

The performance of the supporting staff - laboratory assistant, laboratory attendant, Peon and departmental clerks - is monitored by the HoD through the views expressed by the faculty members and based on his own experience.

Based on the appraisal, if required, the HoD gives suggestions for improvement in teaching. Faculties are motivated to pursue higher education abroad, undergo FDPs or trainings to further improve their performance. Institutional support is extended for all these efforts.

File Description	Document
Any additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Bharati Vidyapeeth's College of Engineering Lavale, Pune is part of Bharati Vidyapeeth which is Academic Conglomerate of 181 Institutes. As Bharati Vidyapeeth is 54 years old reputed Organization, Financial Accounting is a well oiled mechanism.

At the beginning of each Calendar year Centrally Budget Meeting is Conducted. Each College has to submit Budget statement. Internal Audits are conducted by Accounting Clerk from head office of Bharati Vidyapeeth after every Quarter. BV Central Office works under Supervision of Finance Director. Half yearly External Audit is conducted by M/s. Dudhedia Enterprises and Audited reports are submitted to BV Central Office. BVCOELP as is affiliated to University of Pune and Works under aiges of Directorate of Technical Education, Externally Audited Financial Statements are to be submitted to "Shikshan Shulk Samiti" for Fee Fixation Every Year.

Last internal audit of the Institution was done on 25/9/2017 while external audit was done on 11/10/2017. During both the audits, it was observed by them that huge amount in manner of students fees was recoverable and signature of some faculty members on paysheet were missing. Actions were immediately initiated to comply with these querries.

File Description	Document
Any additional information	[View Document](#)

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropers during the last five years (not covered in Criterion III)

Response: 31.28

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropers year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
30	1.28	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Any additional information	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

In the beginning of the year, the Principal and the HoDs discuss the requirements based on the priorities and prepares a budget. The parent institution Bharati Vidyapeeth provides for the funds required by each constituent Institution.

Proposal for any purchase – equipment, consumables, furniture, facility development, trainings and memberships etc. – is prepared by the concerned Department. It is forwarded to the Secretary, Bharati Vidyapeeth through the Principal and Director (Finance and Audit), Bharati Vidyapeeth with their independent comments. After the approval by the Secretary, purchase order is issued to the vendor and purchase is made. Utmost care is taken in preparing the purchase proposal – quotations from different agencies are invited, comparative statements are made, quote of each vendor is evaluated on the basis of specifications of the item and rates quoted and then recommendation is made. If required, further clarifications are requested from the vendors.

All the transactions are supported by bills and vouchers. All the monetary transactions are made through cheques/ DDs or electronic transfer. To assess all receipts and payments, income and expenditure and balance sheets, Internal as well as External auditors are appointed who carry out audit at regular interval all through the year.

The Governing Council keeps a check on annual expenditure, scrutinizes the budget and provides feedback for efficient use of financial resources.

The College being a self-financed institution, main source of income is tuition fees received from students. Apart from that, the institution generates certain additional funds in following manner:

- By conducting exams for MPSC in college premises
- The College being Facilitation Center for FE and Direct SE admissions, some extra funding is generated
- By financial sponsorship from industries for co-curricular and extra-curricular activities of the students
- By taking up consultancy

File Description	Document
Any additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The Institution is relatively young. The IQAC is constituted on 26-10-2017. Hence, major contribution by IQAC is yet to start. The College is driven as per the guidelines of SPPU, AICTE and Maharashtra Universities Act, 2016. All the strategies and processes stipulated by these institutions are followed in the College through a mechanism comprising of Attendance Record Book, Academic Calendar, Weekly Meetings and feedback and faculty appraisal process. The College also has formed College Development Committee and Students' Council that contributes towards overall development of the Institution and making teaching-learning more effective.

File Description	Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

As mentioned earlier, the IQAC of the College is recently set up and hence substantial outcome through IQAC intervention are yet to come. However, BVCOELP is functioning as a Constituent unit of Savitribai Phule Pune University and abides by Maharashtra Universities act 2016. Thus there are a number of initiatives in practice at the Institution to review the efficacy of teaching-learning process like Online Feedback system from Students, Parents, Industries, Peer Institutes and Alumni. For dynamic communication, For a group of 20-30 students One Guardian Faculty Member is allotted who form a WhatsApp Group to share Notices, learning Resources, Assignments etc.

Each faculty maintains Students Attendance Book which has records of not just students' attendance in lectures and laboratory but also the details of lesson plan, actual coverage, continuous assessment of student's performance in tutorials/ laboratory and in-sem exam, record of site visits, conferences and seminars attended by the faculty, result analysis etc. This book is regularly checked by the HoD which helps him in assessing the implementation of teaching-learning activity and take corrective action, if needed.

Apart from the regular system of Faculty Appraisal through student feedback data, we have a more comprehensive method in place where a Faculty's performance is evaluated based on a Faculty Performance Index. This Index takes into account the details like actual engagement of lectures/ practicals, attendance of students in class, result of the subject taught and research/ publications.

The Academic Calendar prepared at the end of the previous semester/ just before the beginning of the new semester, helps putting all the activities in perspective and plan for various curricular and co-curricular activities.

The Principal takes weekly meeting of all HoDs to keep a constant watch on the Departmental activities and problems, if any. This helps in immediate solution of the issues as well as planning for the future activities. The College Coordination Committee also provides inputs time-to-time regarding making teaching-learning more effective. As the Committee has student representatives also, the inputs provided and subsequent actions taken, directly result in improving the teaching-learning process.

File Description	Document
Link for Additional Information	[View Document](#)

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 0

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Any additional information	[View Document](#)
Number of quality initiatives by IQAC per year for promoting quality culture	[View Document](#)
IQAC link	[View Document](#)

6.5.4 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**

3.Participation in NIRF

4.ISO Certification

5.NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: E. None of the above

File Description	Document
Details of Quality assurance initiatives of the institution	[View Document](#)

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

Initiatives during past five years to bring incremental improvements in the academic domain:

- Promotion of higher education abroad for faculties and students to improve their knowledge base
- Formation of Students' Chapters and Memberships of Technical Bodies to increase industrial exposure
- Constant rise in number of faculties using modern teaching methods based on audio-visual aids, models, NPTEL lecture series, guest/ expert lectures from industries etc.
- Development of DMS at department level for easy access to information to students and faculties
- Conduction of supplementary class tests to make students study regularly thereby improve their understanding of the subject
- Inclusion of internships, assignments, class discussions, field visits etc. to promote self- learning among students
- Organizing Jobfair, placement drive, FACE trainings, technical skill development courses, language classes, soft skill trainings to improve students' potential for placement
- Increase in yearly number of publications by the faculty members
- Formation of a Students' Council to make students part of the decision making process and to receive their feedback about students related activities including teaching
- Appointment of a Counsellor to help students and faculties deal with stress, depression, anxiety and various psychological issues

Initiatives during past five years to bring incremental improvements in the administrative domain:

- Training of administrative staff in using Pure Study ERP system

- Training of Clerical staff at department level in using MS Office

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 2

7.1.1.1 Number of gender equity promotion programs organized by the institution year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	0	0	0

File Description	Document
List of gender equity promotion programs organized by the institution	[View Document]
Report of the event	[View Document]

7.1.2

1.Institution shows gender sensitivity in providing facilities such as:
    1.Safety and Security
    2.Counselling
    3.Common Room

Response:

The Institution is careful about developing facilities which are gender sensitive. There is a Grievance Redressal Committee and Internal Complaints Committee to facilitate reporting and redressal of any gender related issue. For any intervention, the matter is taken to the Principal who ensures that the issue is addressed. So far, no such incident has been reported. This creates an environment of safety and security for all the students.

Separate wash rooms for male and female students and faculty members are provided. Cleaning staff for these wash rooms are also male and female, respectively.

A common room is provided for girl students.

A hospital is available on the campus for immediate medical attention, if required.

A counselor is appointed for handling any emotional and psychological issue. Female faculty members from each department keep interacting with girl students.

7.1.3 Alternate Energy initiatives such as:

1. **Percentage of annual power requirement of the Institution met by the renewable energy sources**

Response: 0

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

7.1.3.2 Total annual power requirement (in KWH)

Response: 10.32

File Description	Document
Any additional information	[View Document](#)
Details of power requirement of the Institution met by renewable energy sources	[View Document](#)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 10.71

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 0.148

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 1.3824

File Description	Document
Details of lighting power requirements met through LED bulbs	[View Document](#)
Any additional information	[View Document](#)

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

The College has its own sewage treatment plant. Whatever sewage is generated on the campus, is treated

and then used for watering of plants in the garden. An external agency is appointed to operate and monitor the whole system.

All the paper waste generated on the campus is collected and is taken to government approved agency periodically, for converting it into pulp and used as raw material for recycled paper.

Since the college is relatively young, the equipment are new and problem of e-waste generation has not yet been experienced. However, whenever such waste will be generated, it will be disposed off through government approved agencies.

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

The College is located at the foothills of a hillock; so, there is ample scope for rain water harvesting. Provision for rainwater harvesting is made in the Master Plan of the campus. However, at the moment it is not provided.

The Institution understands the importance of water conservation. To augment the ground water resources, uncemented paver blocks are used for covering huge parking area. This facilitates movement of rain water into the ground. So far, buildings and roads are constructed on very small part of the whole campus, which leaves major land area as unpaved. This also facilitates ground water recharge.

File Description	Document
Any additional information	[View Document](#)

7.1.7 Green Practices
• **Students, staff using**
a) **Bicycles**
b) **Public Transport**
c) **Pedestrian friendly roads**
• **Plastic-free campus**
• **Paperless office**
• **Green landscaping with trees and plants**

Response:

The College promotes use of public transport and runs bus services through various parts of the City. Majority of the students, faculty members and supporting staff commute by these buses. Private vehicles are not allowed beyond parking area, promoting all internal movement on foot.

The College does not have a paperless office as yet but it is definitely a Less Paper office. Print-outs are

taken only when it is necessary.

The College building is located in a very green surroundings. There are 50 - 60 types of trees and plants available on the campus. The College also has its own nursery to prepare and store saplings. Tree plantation is a regular activity in the College. College regularly employs staff for developing and maintaining greenery on the campus.

Apart from these, measures are taken to reduce energy consumption on the campus. Some of them are,

- Use of natural lighting and ventilation owing to the location and architectural design of the building
- Display boards at various locations to inculcate a habit of energy conservation by switching off lights, fans and equipment when not in use
- Use of LED lights
- Replacing majority of the CRT monitors by LCD/ TFT monitors

File Description	Document
Any additional information	[View Document](#)

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 3.5

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year wise during the last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
52.6	46	24.87	10	4.36

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	[View Document](#)

7.1.9 Differently abled (Divyangjan) Friendlines Resources available in the institution:

1. **Physical facilities**
2. **Provision for lift**
3. **Ramp / Rails**
4. **Braille Software/facilities**
5. **Rest Rooms**
6. **Scribes for examination**

7.Special skill development for differently abled students

8.Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document](#)
link to photos and videos of facilities for divyangjan	[View Document](#)

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 4

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	1	1	0	0

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document](#)
Any additional information	[View Document](#)

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 4

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year wise during the

last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	1	1	0	0

File Description	Document
Report of the event	[View Document](#)
Details of initiatives taken to engage with local community during the last five years	[View Document](#)

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
Any additional information	[View Document](#)
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	[View Document](#)

7.1.13 Display of core values in the institution and on its website

Response: Yes

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Any additional information	[View Document](#)
Details of activities organized to increase consciousness about national identities and symbols	[View Document](#)

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	[View Document](#)

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	[View Document](#)

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 13

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	3	1	1

File Description	Document
List of activities conducted for promotion of universal values	[View Document](#)
Any additional information	[View Document](#)

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Independence Day, Republic Day, Gandhi Jayanti, Ambedkar Jayanti, Mahatma Phule Jayanti, Pandit Jawaharlal Neharu Jayanti, Er. Mokshakundum Vishveshwarayya Jayanti and Dr. Sarvapalli Radhakrishnan Jayanti, Chhatrapati *Shivaji Maharaj* Jayanti are celebrated at BVCOE, Lavale, Pune with Ferver. There is semester system for Engineering Academics for colleges affiliated to Savitribai Phule Pune University and hence during 14 weeks of working the emphasis on Teaching prohibits from having

day long programs. None the less, Short Adress with garlanding of Photographs and Short remeberance Speech on Work of these great Indian Personalities is order of the day.

File Description	Document
Any additional information	[View Document](#)

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Inculcation of human values and professional ethics starts from an individual and through people, spreads in society. In order to make our students better citizens, the College organizes various activities like is running *SanganakSadhana* (our students impart basic computer education to the school children of 5th to 10th class in *zillaparishad* schools in six surrounding villages), NSS (our faculty members and students participate in societal issues like creating awareness about various governmental schemes like *Swachchh Bharat Abhiyan, Sukanya*, Digital India and VISAKA), blood donation camps and tree plantation days.

The students from various departments have formed a group to help and support to orphanages. They not only arrange for the things like books, schoolbags and clothes for the orphan children, but also arrange for their birthday celebrations, celebrations of Independence Day, few festivals and visit to Science Centre for knowledge with fun.

Learning about professional ethics is part of curriculum of Audit course offered to SE students.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best PracticeI

1. Title of the Practice: Memberships of Professional Industrial Associations and Their Inclusion in Academics

1. Objectives of the Practice:

- To bridge gap between Academia and Industry by enrolling for Institutional Memberships of these Associations and Forming Student Chapters
- To establish ground for Networking and Handshaking for Students, Faculty and Industry Experts by participating in various Expositions Organized by these Associations
- Educate students by Inviting Industry Experts who are members of these Associations by

Organizing Seminars and Lectures.
- Explore Career opportunities in Niche areas by Understanding Core Functional Domain of the Industries from such Association and their Manpower Requirement
- Take benefit of database of these Professional Industrial Associations for Internships, Research opportunities and Skill Development

1. The Context:

Contextual Feature: There are several established Professional Industrial Associations like MCCIA, CII, SAE, CSI, BAI, FSAI, ISHRAE, IEEE, ISTE, IPA, ISH, IGBC, RAI etc. These Association conduct several Events like Conferences, Seminars, Training Programs, Exposition, Conclave, Panel Discussion, Networking etc. where Experts from relevant Domain Participate. These Associations have plethora of Professionals as its Members. Most of these Associations have Academic Institutional Memberships and Student Memberships which Academic Institutions can have. By having the Memberships of these Associations, Academic Fraternity can participate in their activities.

Challenges: These Associations want to have Student / Academic Chapters but Academia is ignorant of the Benefits that these Associations can bring.

These Associations are Not-For-Profit and thus availability of Volunteers for Official Association Work is difficult to harness.

Passionate Volunteers from Academia are required to harness benefits envisaged in Institutional Memberships of these Associations as stated in objectives.

4. The Practice:

BVCOE, Lavale, Pune has Institutional Memberships / Students Chapters for CSI, IEEE, FSAI, IPA, ISHRAE, SAE, ISTE, ISH, BAI and IGBC. These Professional Industrial Associations normally have National and Local Bodies. The Academic Institution can directly interact with Local Bodies which have President, Secretary along with Core Working Committee. Any Academic Institute upon acquiring Institutional Memberships or Forming Students Chapter can interact with Local Bodies to design mutually beneficial Programs.

BVCOE, Lavale Pune has started "Students Chapter" for Fire and Security Association of India (FSAI) in Nov 2016. The benefits of Collaborative Activities with FSAI have resulted into aspirations for having Academic Memberships with Associations stated overleaf. The Institutional Memberships entitle BVCOE, Lavale, Pune to participate in various Events and has access to Journals which can cover Student News. Student Project / Essay Competition are organized to establish perspective of these Associations and build their popularity among the students. When students participate in large numbers at various Events conducted by these Associations, College Branding for Jobs and Internships naturally happens. Expert Lectures with Resource Persons from These Associations are conducted. Eminent Experts from these Associations are inducted as Adjunct / Prof. Chairs. Students and Faculty has carried out Industrial Visits to various Industries who are part of these Associations. Faculty and Students have opportunity to participate in Field Project / Surveys identified by these Association. Sponsorships is Anticipated for Innovative Projects from Industries who are members of these Association. Workshops and Seminars were conducted to draft Certificate Courses / Vocational Training for Engineering Students to improve their Employability for the Core Domains pertaining to these Associations. During its short tenure of FIVE

years of existence BVCOE, Lavale, Pune has not Only identified Several Professional Associations for Institutional Memberships and Students Chapters but is also Mentoring Academic Initiatives for Fire and Security Association of India (FSAI) **Nationally**. Principal Prof. Dr. S. M. Shendokar has initiated the movement of establishing FSAI Students Chapters for Engineering Colleges in India. Students Chapter for Fire and Security Association of India (FSAI) was established in Nov 2016. This was the First ever Students Chapter for FSAI in India. For this Students Chapter over 125 students registered for Students Membership for Three Years. In order to provide benefits to its registered students, Prof. Shendokar proposed to FSAI National body to establish a Skill Development Centre which can be useful to provide Training to Engineering Students Members.

5. Evidence of Success:

Skill Development Center (SDC) was established at BVCOE, Lavale, Pune with Equipment Sponsorship from various FSAI Corporate Members like Bajaj Electricals, Vignharta – Reality Automation, Extreme Group, DDS Technologies, Monsher, New Age and Vadactro. This FSAI SDC is first of its kind in India.

For the contribution of spreading awareness about FSAI among Engineering Colleges and for Designing Road Map for FSAI Students Chapters Prof. Dr. S. M. Shendokar, Principal with BVCOE, Lavale, Pune was initially bestowed with "FSAI Co-Chairman". For his contribution in several initiatives like FSAI Life Marathon, Establishing Students Chapters at Indore, Jaipur, BVCOE, Womens, Pune and conducting FSAI Orientation Programs Nationally FSAI honored Dr. Shendokar by installing him "FSAI National Chairman" for Student Initiatives.

BVCOE, Lavale Pune conducted FSAI JobFair where 41 companies rolled out 131 offers during 15th to 17th June 2016. As this was First year for BVCOE, Lavale, Pune there were only 117 students with the college. Thus this JobFairwas kept open to all Colleges from SavitribaiPhule Pune University without any registration fees. Total 7500 students participated in this JobFair finally having foot falls from Maharashtra as well as Madhya Pradesh.

1. Problems Encountered and Resources Required

- Passionate and Enthusiastic Faculty is difficult to identify and involve with such Co-Curricular Activities.
- Students participation is key, but they need to work with Initiative and Ownership which can be achieved with difficulty
- Sponsorships / Funding for Students Activities under umbrella of Association are difficult to arrange
- For Niche Areas Trainers are difficult to identify and engage
- Students are ignorant about the benefits till examples are created
- Students Membership Fee at times is deterrent factor
- For engineering colleges, only 14 months semester is available to conduct any Students Association Activities within which barring couple of Programs, Time becomes constraint
- Breaks between Semesters detaches Students from Association Activity Endeavors
- Faculty Members are reluctant to get engaged with Association Activities beyond stipulated College working hours and on Holidays
- Not all Colleges can have same Benefits, as Industry has limited Budget and Time

7. Notes (Optional)

- All Engineering Colleges can Establish Institutional Memberships or Students Chapters for Professional Associations.
- AICTE should endorse certain Professional Industry Associations for Bridging devoid between Industry and Academia
- ISTE / IEI / AICTE / Statutory Universities should recognize courses from Professional Industry Associations those are suitable for Experiential Learning and Skill Development
- Database of Such Professional Industry Associations could be utilized for Skill Development and Job Fairs

Best Practice II:

1. Title of the Practice: Organizing JobFair for Providing On-Campus Placement Opportunities

2. Objectives of the Practice:

- Recently Campus Placements have taken a Nose Dive. Job Fair is Road Ahead for Creating Job Opportunities for Students on Campus.
- Traditional Companies involved with Campus Placements are restricting themselves with very few selected reputed colleges. For Colleges like us who are in infancy, Job Fair provides opportunity to create alternative pool of recruiters.
- For registering Companies for Job Fair, our Faculty did Job Hunting for Students. This way we were able to build network with Industries.
- Companies participating for Job Fairs can also be explored for Internships; Industry based Projects and Experiential Learning.

3. The Context:

Contextual Feature / Challenges:

- Software Industry due to Automation and Change in International Hiring Policy is abstaining from recruiting Fresher from Campus
- For Infant Colleges like ours, though we have MoUs with Companies Like Zensar, ITC Infotech and regular visitors as Tech Mahindra, Amazon, Google for fringe offers, We find Students Aspiration Levels don't match with Expectations of these Companies.
- First generation Engineering students, who are from poorly educated background don't aspire for jobs from 2nd year onwards and hence have very poor communication skills, interpersonal skills and professional attire and hence fails to impress Multi-National Companies panels.
- We need companies who won't look for Communication Skills but for an Employ who would demand less and Work More, which students from our college domain can easily fit into. Such companies normally don't go for Campus drive and have less numbers to recruit and hence can be ideal ones for Job Fair.

1. The Practice:

- The idea of Job Fair was based on the Fact that ISHRAE which is one of the Old Professional Industry Association conducts Job Fair in multiple cities and FSAI wanted to create a similar

model. Hence Principal Dr.Shendokar, being FSAI National Chairman for Student Initiatives / Academics wanted to create an Instance from BVCOE, Lavale, Pune.

○ Initially, idea was to Invite all FSAI companies for this Job Fair and hence Name was kept as FSAI Job Fair, but subsequently the Number of Companies from FSAI domain were very few and also their domain area was not appealing to Mechanical or Civil Engineering Students and thus it was decided to included companies from nearby MIDC areas as well.

○ The strategy for Job Fair was based on good old formula of Job Hunting that Engineering Students employ after passing out from college. Normally, such students would go begging to Friends, Relatives, Neighbours and lastly visit Companies door to door in search of Jobs. In this process, with the outlook that a student has, it take months and years to get first job. At times students gets frustrated and also starts looking at life with pessimism.

○ Instead of Students doing it after completion of his degree, during this FSAI Job Fair we did this Job hunting for him. Our Faculty members visited several Small Scale Companies from Nearby MIDC areas with College letter that provided them some respectability for Entering into HR Offices.

○ Further, Faculty members from each department were made to speak to their Friends and Relatives to make recommendations for Registering Companies for Job Fair.

○ To be eligible to register for this Job Fair, Minimum Salary Criteria was Rs.1.5 Lakhs Per Annum. These packages were also twisted in a manner to suit the Company Budget, where they were allowed to keep students as Interns or Trainee for a period of 3-6 Months at lower salaries as well.

○ Some of the Companies who never went for Campus Placement, took it as a thing of pride and also raised their total requirements from 3 to 5 and also the package from 1.8 L to 2.2 L CTC after negotiations. So Faculty and HoDs did bargaining for Students.

○ Companies who were not inclined for immediate recruitment but wanted to select Third year students for In-Plant Training or Industry Based Projects were also allowed so as to build Network for Future.

5. Evidence of Success:

○ Total 31 Companies registered for FSAI Job Fair, it was first of its kind for FSAI in India.

○ Students were registered by way of Google forms, link of which was circulated on WhatsApp. Humongous response was garnered and 7563 students registered for this FSAI Job Fair from across Maharashtra and also Madhya Pradesh.

○ To avoid chaos for Interviews, filtering of students was done by conducting written test at Two Campuses one at BVCOE, Lavale, Pune and Other at BVCOE for Women's at Dhankawadi Pune.

○ Shortlisted students were Interviewed by Company delegates where in Class Rooms were converted into Interview Cabins

○ With some 80 Company Delegates from 31 companies, 141 students were finally selected and Offers were made.

○ Out of 141, only 34 students from BVCOE, Lavale, Pune were selected. But the authentic manner in which FSAI Job Fair was conducted, BVCOE, Lavale, Pune and its Faculty received accolades from peers and mentors.

○ The Inaugural ceremony for FSAI Job Fair was attended by Mr.PankajDharkar – National President for FSAI, Hon. Dr.VishwajeetKadam – Secretary,BharatiVidyapeeth along with other eminent delegates from Industry and Academia.

6. Problems Encountered and Resources Required:

- Faculty from BVCOE, Lavale, Pune toiled a lot to get registrations for FSAI Job Fair from Local Companies. This may not be possible for year on year basis as for Faculty it is laborious job.
- Timing for recruitment for Small Companies cannot be matched with their recruitment process and thus Timing for such Job Fair is to be planned well ahead of Event
- Expenses for FSAI Job Fair was to the tune of Rs. Four Lakhs, BharatiVidyapeeth Management had no takeaways except for Accolades.
- Mechanism for Automated Registration on website and Training of Students for Company specific requirements should have been planned.
- FSAI may want to conduct such event at some other venue / city, Hardworking and Compassionate Faculty like one at BVCOE, Lavale, Pune may be a rarity.
- Retention by companies and Attrition of Selected Students is big concern.

7. Notes (Optional)

- FSAI Job Fair example can very well be replicated by each college provided Faculty is Compassionate and Empathetic about Students who pass out from that college.
- Colleges can have number of Professional Associations and build Network of Companies who can participate in such Job Fairs
- Students should be made well aware of the Expenses those are incurred in conducting such events and thus Aspirants from Other Colleges may be charged a reasonable amount to recover expenses those are incurred.
- Job Fair is End Result but Faculty should get involved with Professional Associations help them in their day to day working and make friendship with the Industry Delegates.
- Its high time for Engineering Faculty in India to bank on Salaries, Why can't an Engineering Institute have Companies of its Own which churns out Product and makes good Business is Food for Thought.

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Any additional information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Cohesive with the Vison of "Social Transformation through Dynamic Education", Bharati Vidyapeeth's College of Engineering, Lavale, Pune is being developed to be a Futuristic International Campus.

- The Infrastructure provided is with same Vision and hence the current Building can be expanded till 10 Floors.
- To have International Flavor to its functioning in spite of being constituent Unit of SPPU, the distinctive Thrust area of Promotion of Higher Education Abroad has been implemented initially for Faculty Development.

- Within this Thrust area of Higher Education Abroad, it is envisioned that Faculty working with BVCOE, Lavale, Pune is motivated to Pursue Research by Applying for PhD at Foreign Universities. This priority is set, as research infrastructure in India is scarce and furthermore here faculty is expected to carry out research after discharging his / her regular duties which dilutes the whole perspective of research.
- The advantage of doing PhD from country like USA is ample availability of Research Infrastructure, Structured Methodology for Conducting Research, Experienced Mentoring and Lots of Fund Availability.
- With above perspective, in house guidance has been provided to Faculty and to date THREE Faculty Members from BVCOE, Lavale, Pune and THREE from Institutes in Vicinity were able to secure Admission at North Carolina A&T State University, Greensboro, USA with Full Assistantship.
- The beneficiaries are,

Sr. No.	Name of Faculty	Research Area	Name of Guide	Assistantsh
1.	Prof. V. S. Jadhav	Nano Engineering	Dr. Ram Mohan	$39172.00
1.	Prof. Y. S. Kale	CSE	Dr. Marwan Bikdash	$28379.00
1.	Prof. Minakshi Molawade	Nano- Electronics	Dr. Shyam Arvamudhan	$14000.00
1.	Mr. Prithviraj Deshmukh	Nano Electronics	Dr. Shanthi Iyer	$28562.50
1.	Mr. Abhaysingh Gaikwad	Industrial Engineering	Dr. Salil Desai	$24000.00
1.	Mr. Sachin Mhatre	Industrial Engineering	Dr. Salil Desai	$23500.00
1.	Mrs. Sulochana Deshmukh-Gore	CSE	Dr. Marwan Bikdash	$14745.00

-

- For the development of College, Students Development is vital and thus Principal himself provides guidance regarding screening tests like Graduate Record Examination (GRE), TOEFL, and IELTS to interested students.
- The result of this initiative is clearly distinction for the College as around 9 students out of 117 from the First Passed out Batch of 2016 have secured admission in US and UK universities.
- This idea of Promotion of Higher Education Abroad is appreciated by Advisor to AICTE Dr. Dileep Malkhede and he has conducted TWO meetings at COEP and VJTI for getting inputs to modulate it in current "Quality Improvement Program (QIP)" for which One Survey was also Conducted Nationally.
- From this efforts a WhatsAPP group has been created, which have total 171 aspirants from All Over India who would like to go Abroad for PhD if they get Full Assistantship.
- This Initiative has potential to Revamp ME/MTech education in India and also whole Engineering Teaching Fraternity as beyond doing Quality Research, ME/MTech students and Engineering Faculty can earn good amount of Money as well as there is complete change in their Outlook and Mindset as several Mind Barriers take Fillip with this Initiative.
- We need to change focus from Brain Drain to Creating Opportunities and Resources beyond boundaries and realize "*Vasudhaiva Kutumbakam*".

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Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

5. CONCLUSION

Additional Information :

While working on SSR it was identified that at several places information is asked for Five years and we have data for just TWO years. For BVCOELP Placement Details and Alumni Information is available for TWO years only for which Online SSR format computes Percentage. Before we conclude our Executive Summary, We wanted to bring to the Notice of Evaluators that Institutes like us should not be marginalized solely on count of such points where we simply cannot have information to furnish.

Concluding Remarks :

We are summarizing our Conclusions as our Achievements against Few Major Challenges Faced.

Challenge 1: Tthe average engineering admission across Maharashtra state was about 57% only for 2017-18. **Achievement:** Total admission percentage at BVCOELP is about 70% bettering State average.

Challenge 2: The academic level of the newly Admitted students is lower than the average percentage of engineering aspirants. **Achievement:** Reflection of achievement for the hardwork of Faculty is evident from the Final Year Results of above 95% for all students who graduated from first TWO passing out batches of AY 2015-16 and 2016-17.

Challenge 3: Campus placement has taken Nose Dive in recent past which is even visible on most reputed Campuses in India. **Achievement :** In spite of the said downtrend in fresher's hiring, BVCOELP has MoU with Zensar and ITC InfoTech, Tech Mahindra, AMAZON, Reliance, Google are regularly visiting BVCOELP for its Technical Support Positions. In addition, We conducted FSAI Job Fair which provided boost for placements as 31 companies finally provided Offers to 121 students from various institutes.

Challenge 4: There is no Research Infrastructure and Faculty is also busy with establishment of Laboratories for undergraduate classes. **Achievement :**Hand holding of Faculty was done to pursue PhD from USA. In short span of FIVE years, today there are THREE faculty members from BVCOELP doing their PhD from NCA&TSU, USA with Full Financial Assistantship. We are proud to quote that our Faculty Member Prof. Vishwas Jadhav who was working as HOD (Mech) has received whooping $39,172.00 Assistantship.

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