BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING FOR WOMEN

Information Technology

Part A : Institutional Information

1 Name and Address of the Institution

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING FOR WOMEN,
Pune Satara Road, Dhankawadi, Taluka Haweli

2 Name and Address of Affiliating University

Savitribai Phule Pune University

3 Year of establishment of the Institution:

2000

4 Type of the Institution:

☐ University	☐ Autonomous
☐ Deemed University	☑ Affiliated
☐ Government Aided	

5 Ownership Status:

☐ Central Government	☑ Trust
☐ State Government	☐ Society
☐ Government Aided	☐ Section 25 Company
☑ Self financing	☐ Any Other(Please Specify)

6 Other Academic Institutions of the Trust/Society/Company etc., if any:

Name of Institutions	Year of Establishment	Programs of Study	Location
Institute of Management and Entrepreneurship Development	1978	BBA, BCA, MCA, MBA, Ph.D.	Pune
New Law College, Pune	1978	B.A.LL.B, B.B.A.LL.B, LL.B,LL.M	Pune
Yashwantrao Mohite College of Arts, Science and Commerce	1978	B.A., B.Com., B.Sc., M.A., M.Sc.	Pune
Abhijit Kadam Institute of Management and Social Sciences, Solapur	1981	BBA,BCA,MBA and MCA	Solapur
Medical College, Pune	1981	MBBS, MD/MS, M.Sc.	Pune
Poona College of Pharmacy	1981	Pharm D, B. Pharm and M. Pharm	Pune
Social Sciences Centre (M.S.W)	1981	Master of Social Work(M.S.W)	Pune
Yashwantrao Chavan Institute of Social science studies and Research	1998	M.B.S (Master of Business Studies)	Pune
Dental College & Hospital, Pune	1989	B.D.S., M.D.S.	Pune
College of Ayurved	1990	B.A.M.S, MD,MS Ayurved	Pune
Homeopathic Medical College	1990	BHMS, M.D.	Pune
College of Nursing, Pune	1992	B.SC Nursing, M.SC Nursing	Pune
Institute of Hotel Management & Catering Technology	1992	BHMCT, BSc (H & HA)	Pune
Institute of Management and Research	1992	BBA, BCA, MBA, LL.B PhD	New Delhi
College of Physical Education	1994	B. PEd, M. PEd , PhD	Pune
Institute of Environment Education and Research	1994	M.Sc., PhD	Pune
Institute of Management and Rural Development Administration	1994	BBA, BCA, MBA and MCA	Sangli
Institute of Management	1994	MBA, MCA	Kolhapur
Yashwantrao Mohite Institute of Management	1994	BBA, BCA, MBA, MCA	Karad
Interactive Research School & Health Affairs	2001	PhD	Pune
Rajiv Gandhi Institute of Information Technology & Bio-Technology	2003	B.Sc., M.Sc. Ph.D.	Pune
Dental College & Hospital	2005	BDS, MDS	Navi Mumbai
Medical College & Hospital	2005	MBBS, MS, MD	Sangli
Dental College & Hospital	2006	BDS, MDS	Sangli
College of Nursing	2007	BSc, MSc	Sangli
College of Architecture	1994	B. Arch, March, PhD	Pune
College of Nursing	2009	BSc , MSc	Navi Mumbai

School of Physiotherapy	2021	Bachelor of Physiotherapy	Sangli

7 Details of all the programs being offered by the institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
Information Technology	UG	2000	2000	60	No	60	Applying first time	--	--	Yes	4
Computer Engineering	UG	2000	2000	60	Yes	120	Applying first time	--	--	No	4

Sanctioned Intake for Last Five Years for the Computer Engineering

Academic Year	Sanctioned Intake
2024-25	120
2023-24	60
2022-23	60
2021-22	60
2020-21	60
2019-20	60

Electronics and Telecommunication Engineering	PG	2013	2013	18	Yes	9	Not eligible for accreditation	--	--	0	2

Sanctioned Intake for Last Five Years for the Electronics and Telecommunication Engineering

Academic Year	Sanctioned Intake
2024-25	9
2023-24	9
2022-23	9
2021-22	18
2020-21	18
2019-20	18

Electronics and Telecommunication Engineering	UG	2000	2000	120	Yes	60	Applying first time	--	--	No	4

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Computer Engineering
2	Under Graduate	Engineering & Technology	Information Technology
3	Under Graduate	Engineering & Technology	Electronics and Telecommunication Engineering

9 Total number of employees in the institution:

A. Regular* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	11	12	12	12	12	13
Faculty in Engineering (Female)	37	39	36	36	38	40
Faculty in Maths, Science & Humanities (Male)	08	08	05	05	05	05
Faculty in Maths, Science & Humanities (FeMale)	05	05	04	04	04	04
Non-teaching staff (Male)	46	46	43	43	40	40
Non-teaching staff (FeMale)	13	13	12	12	10	10

B. Contractual* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	0	1	0	1	0	0
Faculty in Engineering (Female)	0	1	2	2	2	2
Faculty in Maths, Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (FeMale)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (FeMale)	0	0	0	0	0	0

10 Total number of Engineering Students:

Engineering and Technology- UG	☑ Shift1	☐ Shift2
Engineering and Technology- PG	☑ Shift1	☐ Shift2
Engineering and Technology- Polytechnic	☐ Shift1	☐ Shift2
MBA	☐ Shift1	☐ Shift2
MCA	☐ Shift1	☐ Shift2

Engineering and Technology- UG Shift-1

Items	2024-25	2023-24	2022-23
Total no. of Boys	0	0	0
Total no. of Girls	1190	1088	1116
Total	**1190**	**1088**	**1116**

Engineering and Technology- PG Shift-1

Items	2024-25	2023-24	2022-23
Total no. of Boys	0	0	0
Total no. of Girls	5	4	2
Total	**5**	**4**	**2**

11 Vision of the Institution:

Women Empowerment through Technical Education.

12 Mission of the Institution:

M1: Develop women students to rise to their full potential.

M2: Impart knowledge and prepare competent engineers.

13 Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution	
Name	Prof. Dr. Pradeep Vitthal Jadhav
Designation	Principal
Mobile No.	9665696022
Email ID	pradeep.jadhav@bharatividyapeeth.edu

NBA Coordinator, If Designated

Name	Prof. Dr. Suvarna Sandip Chorage
Designation	Professor, Vice Principal, IQAC coordinator
Mobile No.	9881717562
Email ID	suvarna.chorage@bharatividyapeeth.edu

PART B: Criteria Summary

Critera No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	60	57.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	120	113.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	120	117.00
4	STUDENTS' PERFORMANCE	150	126.66
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	166.26
6	FACILITIES AND TECHNICAL SUPPORT	80	70.00
7	CONTINUOUS IMPROVEMENT	50	44.00
8	FIRST YEAR ACADEMICS	50	36.42
9	STUDENT SUPPORT SYSTEMS	50	44.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	110.00
	Total	**1000**	**884**

Part B

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (60)

Total Marks 57.00

1.1 State the Vision and Mission of the Department and Institute (5)

Total Marks 5.00

Institute Marks : 5.00

Vision of the institute	Women Empowerment through Technical Education.
Mission of the institute	M1: Develop women students to rise to their full potential. M2: Impart knowledge and prepare competent engineers.
Vision of the Department	Globally competent women engineers through excellence in IT education.
Mission of the Department	

Mission No.	Mission Statements
M1	Develop requisite skills and competencies in the field of IT.
M2	Groom students for responsible and rewarding careers in the field of IT.
M3	Build confidence and personality development through curricular, co-curricular and extra-curricular activities.

1.2 State the Program Educational Objectives (PEOs) (5)

Total Marks 5.00

Institute Marks : 5.00

PEO No.	Program Educational Objectives Statements
PEO1	To possess strong fundamental concepts in mathematics, science, engineering, and Technology to address technological challenges.
PEO2	To possess knowledge and skills in the field of Computer Science and Information Technology for analyzing, designing, and implementing complex engineering problems of any domain with innovative approaches.
PEO3	To possess an attitude and aptitude for research, entrepreneurship, and higher studies in the field of Computer Science and Information Technology.
PEO4	To have a commitment to ethical practices, societal contributions through communities, and life-long learning.
PEO5	To possess better communication, presentation, time management, and teamwork skills leading to responsible & competent professionals and will be able to address challenges in the field of IT at the global level.

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10)

Total Marks 9.00

Institute Marks : 9.00

[A] Adequacy in respect of publication and dissemination

The Vision, Mission, and Program Educational Objectives (PEOs) of the program are published and displayed through a wide range of physical and digital mediums to ensure maximum visibility and accessibility. These include:

- HoD Cabin
- Laboratories
- Classrooms
- Corridor of the department
- Notice Boards
- College Magazine
- E-Newsletter
- College Brochure
- Academic Record Books
- Students' Journals
- Students Reports
- Laboratory Manuals
- Faculty Course Files
- Academic Calendar of the Department
- Institute Website
- Email Signature

These locations and platforms provide wide visibility and ensure that the Vision, Mission, and PEOs are easily accessible to all stakeholders.

[B] Process of dissemination among stakeholders

The department follows a structured approach to disseminate the Vision, Mission, and PEOs among its stakeholders. This includes:

- Inclusion in official documents such as the College Brochure, College Magazine, E-Newsletter, Department Academic Calendar, Laboratory Manuals, Faculty Course Files, and Students' Journals.
- Display through printed or acrylic boards in common areas such as laboratories, classrooms, corridor, and HoD cabin.
- Digital access via the Institute Website.
- Oral communication through regular interactions
- Faculty members explain the Vision, Mission, and PEOs to students during the first theory and practical sessions of every semester.
- Stakeholders such as parents and alumni are informed during meetings and institutional events.

This multi-channel dissemination strategy ensures that the Vision, Mission, and PEOs reach all key stakeholders effectively.

[C] Extent of awareness of Vision, Mission and PEOs among the stakeholders

The department ensures continuous engagement with stakeholders through various events, during which the Vision, Mission, and Program Educational Objectives (PEOs) are effectively communicated. Stakeholders are periodically briefed through meetings, orientations, and department-level interactions. Regular displays and discussions conducted during curricular and co-curricular activities help to maintain an awareness among all stakeholders. Additionally, faculty members reinforce this awareness by explaining the Vision, Mission, and PEOs to students during teaching sessions.

Table 1.3.1 Approaches for Disseminating the Vision, Mission, and Program Educational Objectives (PEOs) among Stakeholders

Sr. No.	Dissemination Channel	Medium Used	Stakeholders		Outcome of Dissemination
			Internal	External	
1	Institute Website's Department Page	Weblink http://coewpune.bharatividyapeeth.edu/index.php/departments/information-technology (http://coewpune.bharatividyapeeth.edu/index.php/departments/information-technology)	√	√	• Enhances global presence and academic identity • Attracts employers, parents and other stake holders
2	Academic Record Books	Prints	√		• Reinforces academic alignment with Vision, mission & PEOs • Ensures academic focus and course alignment
3	HOD Cabin	Acrylic Boards	√	√	• Reflects leadership commitment, • Strengthens departmental culture • Motivates faculty
4	College Magazine	Prints	√	√	• Enhances reputation
5	Laboratories	Acrylic Boards	√		• Promotes hands-on learning and strengthens outcome-based technical skills in alignment with the department's vision, mission, and PEOs.
6	Classrooms	Acrylic Boards	√		• Helps students and teachers stay aware of dept. goals and values • Creats focused learning environment by strengthening purpose and direction
7	Notice Boards	Prints	√		• Reinforces shared vision and departmental values
8	College Brochure	Prints	√	√	• Supports department branding and stakeholder awareness

9	E-Newsletter	Prints	√	√	• Professional growth • Strengthens stakeholders trust
10	Faculty Course File	Prints	√		• Aligns teaching with industry-relevant competencies • Aligns curriculum with PEOs and industry needs
11	Students' Journal	Prints	√		• Encourages student expression aligned to mission
12	Academic Calendar of Department	Prints	√		• Guides event planning towards holistic development
13	Laboratory Manuals	Prints	√		• Aligns practical learning with departmental goals • Reinforces vision-driven skill development among students
14	Corridor of Department	Acrylic Boards	√	√	• Creates a professional and aspirational setting • Enhances identity
15	Email Signature	Email	√	√	• Reinforces departmental values in daily communication
16	Students Reports	Prints	√		• Reflects students growth in line with mission and PEOs • demonstrates outcome based education to stakeholders

*Internal stakeholders include Management, Governing Board Members, faculty, supporting staff, students etc. and external stakeholders include employers, alumni, parents, Board of Studies (BOS) members. etc.

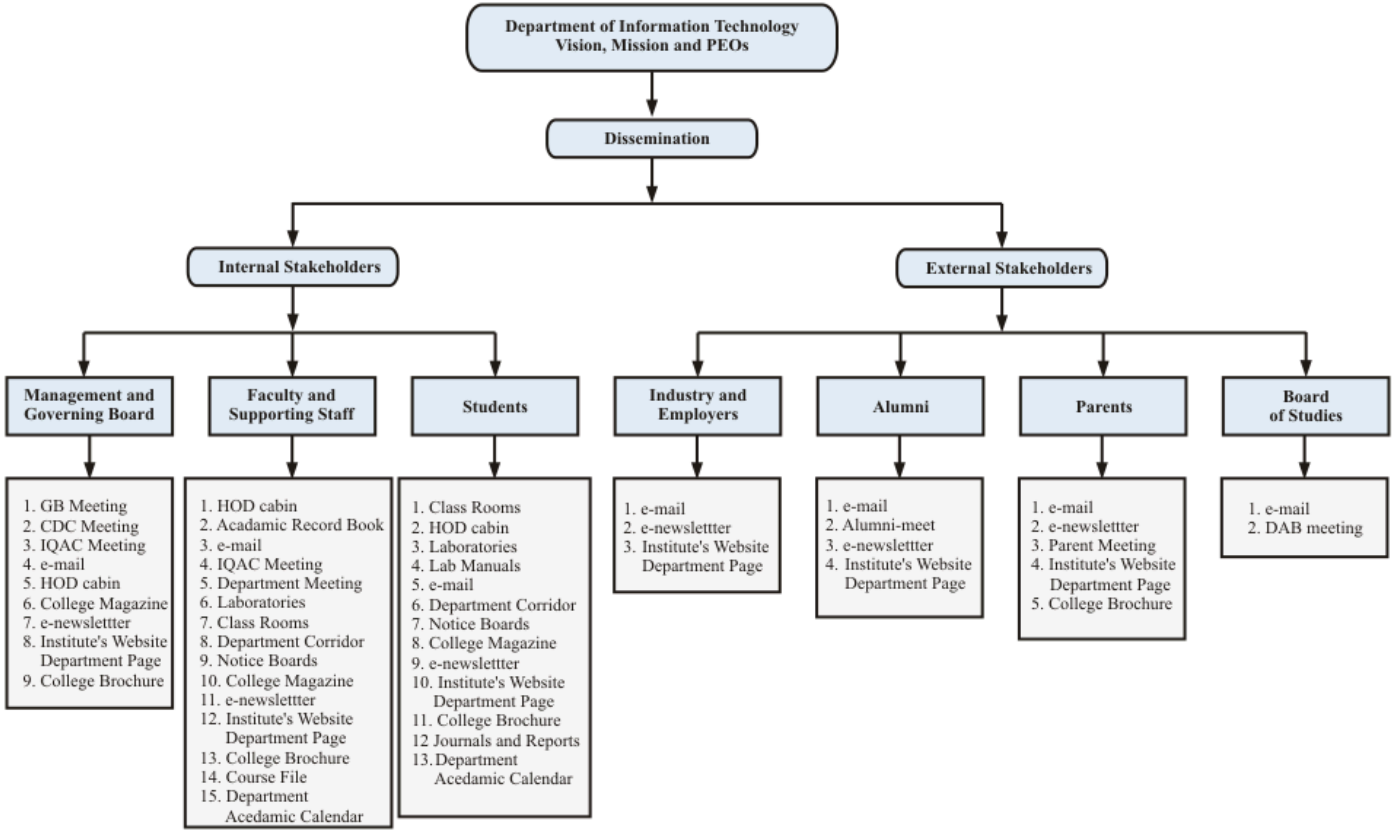

Figure 1.3.1 Publication and Dissemination of Vision, Mission and PEOs

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (25) Total Marks 24.00

Institute Marks : 24.00

[A] Description of process involved in defining the Vision, Mission of the Department

- By taking inputs from the stakeholders, the proposed Vision and Mission statements have been prepared by the Head of the Department (HoD) in consultation with senior faculty members, giving primary consideration to the institute's Vision and Mission, along with the department's strengths, such as well-equipped laboratories and qualified faculty.
- A faculty meeting has been conducted to review the Vision and Mission statements. The Vision and Mission statements are framed after collaborative discussions with the faculty.
- The statements have been presented to the Department Advisory Board (DAB), which comprises stakeholders including Board of Studies(BOS) Members, alumni, industry persons, parents, and student representatives. The DAB has discussed and finalised the Vision and Mission statements.
- The Vision and Mission statements are submitted to the Internal Quality Assurance Cell (IQAC). The IQAC reviews the statements for alignment with the institutional Vision and Mission.
- After IQAC's approval, the statements are presented in the College Development Committee (CDC) meeting for further review.
- The approved Vision and Mission statements are communicated to the Governing Body (GB) for information and record.

[B] Description of process involved in defining the PEOs of the program

- The Program Educational Objectives (PEOs) have been formulated by the Head of the Department (HoD) in consultation with senior faculty members, with primary emphasis on aligning them with the department's Vision and Mission.
- A faculty meeting has been conducted to review the PEO statements. Feedback has been collected through collaborative discussion, and the PEOs have been finalised with the consensus of the department faculty.
- The PEOs have been presented to the Department Advisory Board (DAB), which comprises stakeholders including Board of Studies(BOS) Members, alumni, industry persons, parents, and student representatives. The DAB has discussed and finalised the PEO statements.
- The PEOs have been submitted to the Internal Quality Assurance Cell (IQAC), which has reviewed them for alignment with the Departments Vision and Mission and granted its approval.

1.5 Establish consistency of PEOs with Mission of the Department (15) Total Marks 14.00

Institute Marks : 14.00

[A]Preparation of a matrix of PEOs and elements of Mission statement

Mapping of PEOs with Mission statements of the Department.

1. Slightly (Low)=1
2. Moderate (Medium)=2
3. Strong (High)=3

Table 1.5.1 Matrix of PEOs and elements of Mission statement

PEOs	Mission of the Department			Justification
	Matches M1?	Matches M2?	Matches M3?	
PEO 1				Core subjects include fundamentals and technical topics relevant to skill development and problem-solving.
Fundamentals	Yes		Yes	
Technical Skill	Yes	Yes		
Problem Solving	Yes	Yes	Yes	
	(3/3)×3 = 3	(2/3)×3 = 2	(2/3)×3 = 2	
PEO 2				The curriculum includes subjects and activities related to implementation, project work, and internships.
Domain Application	Yes	Yes		
Design Skills	Yes	Yes	Yes	
Innovative Thinking	Yes	Yes	Yes	
Complex Problem Solving	Yes	Yes		
	(3/4)×3 = 2.25 ≈ 2	(4/4)×3 = 3	(2/4)×3 = 1.5 ≈ 2	
PEO 3				Application-based learning supports progression to higher education and individual project-based activities.
Research Orientation	Yes	Yes	Yes	
Higher Studies		Yes	Yes	
Critical Thinking	Yes	Yes	Yes	
Innovation	Yes	Yes	Yes	
Entrepreneurship		Yes		
	(3/5) × 3 = 1.8 ≈ 2	(5/5) × 3 = 3.0	(4/5) × 3 = 2.4≈ 2	
PEO 4				Ethics, social engagement, and lifelong learning are addressed through curriculum.
Ethics		Yes	Yes	
Social Responsibility		Yes	Yes	
Lifelong Learning		Yes	Yes	
Sustainability	Yes	Yes	Yes	
	(1/4)×3 = 0.75 ≈ 1	(4/4)×3 = 3	(4/4)×3 = 3	

PEO 5				Communication, teamwork, and time management skills are addressed through project work, seminars, and co-curricular activities.
Communication	Yes	Yes	Yes	
Presentation	Yes	Yes	Yes	
Teamwork		Yes	Yes	
Leadership		Yes	Yes	
	(2/4)×3 = 1.5 ≈ 2	(4/4)×3 = 3	(4/4)×3 = 3	

PEO Statements	**M1**	**M2**	**M3**
To possess strong fundamental concepts in mathematics, science, engineering, and Technology to address technological challenges.	3	2	2
To possess knowledge and skills in the field of Computer Science and Information Technology for analyzing, designing, and implementing complex engineering problems of any domain with innovative approaches.	2	3	2
To possess an attitude and aptitude for research, entrepreneurship, and higher studies in the field of Computer Science and Information Technology.	2	3	2
To have a commitment to ethical practices, societal contributions through communities, and life-long learning.	1	3	3
To possess better communication, presentation, time management, and teamwork skills leading to responsible & competent professionals and will be able to address challenges in the field of IT at the global level.	2	3	3

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (120)

Total Marks 113.00

2.1 Program Curriculum (20)

Total Marks 18.00

2.1.1 State the process used to identify extent of compliance of the University curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Annexurel. Also mention the identified curricular gaps, if any (10)

Institute Marks : 9.00

A. Process used to identify the extent of compliance of university curriculum for attaining the POs and PSOs.

Bharati Vidyapeeths College of Engineering for Women, Pune is affiliated to Savitribai Phule Pune University (SPPU), Pune. The University curriculum maintains a balance in the composition with courses covering Basic Sciences, Engineering Sciences, Program Core Courses and Electives, along with Project works, Internships, and Seminars. The curriculum is formulated and revised once in 4 years through the Board of Studies, Information Technology (BoS, IT) of SPPU. Currently, the program curriculum, namely 2019 Course (Third Year and Final Year) and National Education Policy (NEP) 2020 Curriculum for First Year and Second Year are in execution. The last batch of the 2015 curriculum passed out in the academic year 2021-22. The components of 2019 Course curriculum are shown in Table 2.1.1.1.

Table 2.1.1.1 Components of Curriculum (2019 Course)

Sr. No.	Course Components	Total Credits	Curriculum Contents(%)	POs, PSOs
1	Basic Science Courses (BSC)	23	13.52%	PO1, PO2, PO3, PO5,PO6, PO7,PO9, PO10
2	Engineering Science Courses (ESC)	18	10.58%	PO1, PO2, PO3,PO5, PO6,PO7, PO12
3	Program Core Courses (PCC)	65	38.23%	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
4	Program Electives	18	10.58%	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
5	Laboratory and Skill-Based Courses	31	18.23%	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
6	Project, Internship, Seminar and Industry Exposure	15	8.82%	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12,PSO1,PSO2,PSO3

- Weblink for the Components of SPPU Curriculum (2019 Course) and its mapping with POs and PSOs.

https://drive.google.com/drive/folders/1RWq2bfxoghDStJ4WM4i4A-kDiA702tP_ (https://drive.google.com/drive/folders/1RWq2bfxoghDStJ4WM4i4A-kDiA702tP_)

- **Figure 2.1.1.1 represents the Process used to identify the extent of compliance of university curriculum and gap identification for attaining POs and PSOs.**

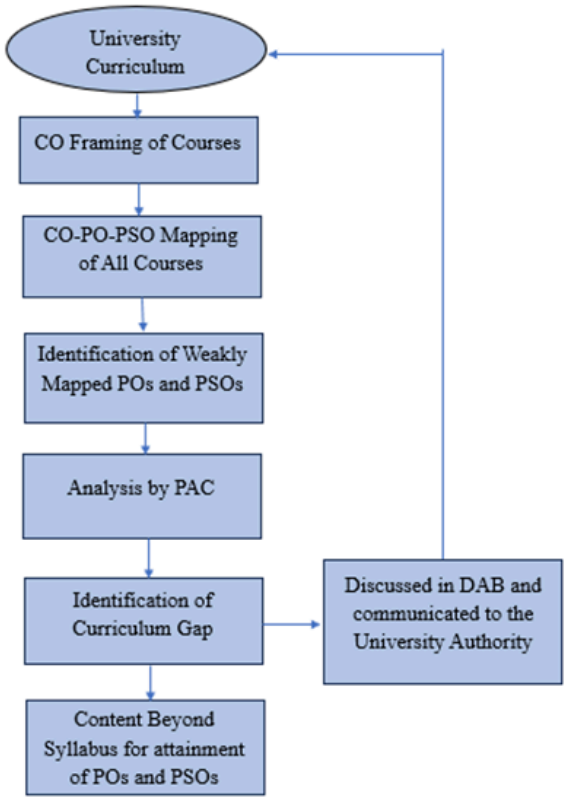

Figure 2.1.1.1 The Process Used to Identify Extent of Compliance of the University curriculum for Attaining the Program Outcomes and Program Specific Outcomes

Program Outcomes (POs) and Program Specific Outcomes (PSOs) are mapped with components of curriculum 2019. Each course has been evaluated to determine its contribution to achieve specific POs and PSOs.

To analyze the strength of alignment between the curriculum and the outcomes, the average score of all POs and the average score of all PSOs have been calculated. Based on the average, the strength of mapping is categorised as:

- Below 40% : **Weakly Mapped**
- 40% to 60% : **Moderately Mapped**
- Above 60% : **Highly Mapped**

Table 2.1.1.2 POs & PSOs Mapping

PO / PSO	Number of Courses Mapped out of Total Courses (62)	% Mapping	Category
PO1	61	98.38%	Highly Mapped
PO2	59	95.16%	Highly Mapped
PO3	57	91.93%	Highly Mapped
PO4	44	70.96%	Highly Mapped
PO5	47	75.80%	Highly Mapped
PO6	29	46.77%	Moderately Mapped
PO7	23	37.09%	Weakly Mapped
PO8	30	48.38%	Moderately Mapped

PO / PSO	Number of Courses Mapped out of Total Courses (62)	% Mapping	Category
PO9	27	43.54%	Moderately Mapped
PO10	58	93.54%	Highly Mapped
PO11	14	22.58%	Weakly Mapped
PO12	46	74.19%	Highly Mapped
PSO1	50	80.64%	Highly Mapped
PSO2	55	88.70%	Highly Mapped
PSO3	52	83.87%	Highly Mapped

As per Table 2.1.1.2, PO7, PO11 are weakly mapped POs(Below 40%), and PO6, PO8, PO9 is moderately mapped (40% to 60 %).

B. List the curriculum gaps for the attainment of defined POs and PSOs

Table 2.1.1.3 identifies specific curriculum gaps, highlighting areas that require enhancement to achieve Program Outcomes and Program Specific Outcomes.

Table 2.1.1.3 List of Curriculum Gaps

Gap No.	POs	Gap Description
1	PO6	Inadequate Industry Preparedness
2	PO7, PO8	Ability to Apply Knowledge & Skills to Real-World Problems (Social, Economic, Healthcare, Sustainable Contexts and Ethics)
3	PO9, PO11	Inadequate Innovation, Entrepreneurship & Research Engagement

2.1.2 State the delivery details of the content beyond the syllabus for the attainment of POs and PSOs (10)

Institute Marks : 9.00

A. Steps taken to get identified gaps included in the curriculum. (e.g. letter to university/BOS)

The Department systematically bridges gaps in the University curriculum by delivering content beyond the syllabus to enhance the attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs).

This content is shared with students through expert lectures by academicians and industry professionals. It is also delivered via workshops, classroom discussions, certification courses, Information Technology Student Association (ITechSA) activities, MoU activities, alumni talks, industrial visits, and additional course materials.

Identified gaps are discussed in the Department Advisory Board (DAB) meetings to seek feedback and suggestions. The proposal to increase the internship duration for third-year students from 4–6 weeks to 6 months is also discussed in the DAB meeting and subsequently communicated to the BOS(IT) members, SPPU.

B. Delivery details of content beyond the syllabus

To bridge the identified gaps, the department regularly conducts the activities as listed in Table 2.1.2.1.

Table 2.1.2.1 List of Activities to Bridge Identified Gaps

Activity	Purpose	Relevance to POs
Seminars & Workshops	Enhance exposure to current trends, technologies, and research practices	PO6, PO7, PO9, PO11
Webinars	Provide flexible, expert-led learning on emerging topics	PO6, PO7, PO9, PO11
Industrial Visits	Offer real-world insights into industry operations and practices	PO6, PO7, PO9, PO11
Guest Lectures	Share domain-specific knowledge from industry and academia	PO6, PO7, PO9, PO11
Add-on Assignments	Promote analytical thinking and self-learning beyond syllabus	PO6, PO7, PO9, PO11
Sponsored Projects	Encourage innovation, industry collaboration, and research culture	PO6, PO7, PO9, PO11
Student Placements	Ensure employment readiness and professional skill application	PO6, PO7, PO9, PO11

C. Mapping of content beyond syllabus with the POs and PSOs

To address the identified curriculum gaps, various activities have been conducted and mapped with relevant POs and PSOs. The table below summarises the different actions taken over the past three years to bridge these gaps, along with their mapping to POs and PSOs.

2023-24

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	G1: Inadequate Industry Preparedness	Organized Seminar on Microsoft Cloud Internship Awareness	04/08/2023	Mr. A. B. Aher, KasNet Technologies Pvt.Ltd.	79	PO6
2	G1: Inadequate Industry Preparedness	Organized seminar on Career in Web development with Mean and Mern Stack	06/10/2023	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune	85	PO6
3	G1: Inadequate Industry Preparedness	Organized Seminar on Introduction to Power BI	24/01/2024	Mr. Yogesh Murumkar, CEO, Bharati Software Solutions, Pune	87	PO6
4	G1: Inadequate Industry Preparedness	Organized Seminar on Preparation for Placement	12/02/2024	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune	64	PO6
5	G1: Inadequate Industry Preparedness	Organized Seminar on Placement Assistance for Batch 2024	10/01/2024	Mr. Aditya Wakodkar, Client Relation Manager	46	PO6
6	G1: Inadequate Industry Preparedness	Organized Seminar on Internship and Project Guidance	27/03/2024	Ms. Aachal Bhatt	65	PO6, PO8, PO11
7	G1: Inadequate Industry Preparedness	Organized Seminar on Insights into Industry Expectations, Career Paths, and Professional	19/04/2024	Meenakshi Sinha	55	PO06, PO8, PO11
8	G2:Ability to Apply Knowledge & Skills to Real-World Problems (Social, Economic, Healthcare, Sustainable Contexts)	Organized Webinar on Cloud Security	12/01/2024	Ms. Girija Swami, Principal Software Engineer, Veritas, Pune	67	PO6, PO8
9	G2: Ability to Apply Knowledge & Skills to Real-World Problems (Social, Economic, Healthcare, Sustainable Contexts)	Organized Workshop on Data Analysis using Power BI and Excel	31/01/2024	Mr. Yogesh Murumkar, CEO, Bharat Software Solutions, Pune	81	PO6, PO7
10	G2: Ability to Apply Knowledge & Skills to Real-World Problems (Social, Economic, Healthcare, Sustainable Contexts)	Organized Seminar on Career Opportunities in Biomedical Engineering Field	01/02/2024	Mrs. Vaishnavi Banke, Medifacts Inc, Pune	28	PO6, PO7
11	G2: Ability to Apply Knowledge & Skills to Real-World Problems (Social, Economic, Healthcare, Sustainable Contexts)	Organized Seminar on Grooming Program on Cyber Security as per the Industry Standards	09/02/2024	Mr. Manish Singh, Manager-Services Sales, Inflow Technologies Pvt. Ltd.	72	PO6, PO7, PO8
12	G3: Inadequate Innovation, Entrepreneurship & Research Engagement	Organized Seminar on Introduction to Context Free Grammar and Languages	18/10/2023	Ms. Yogita Khalate and Ms. Ghanishtha Rane, Ms. Samta Bora and Ms. Sneha Salunke, BE IT Students	66	PO9, PO11
13	G3: Inadequate Innovation, Entrepreneurship & Research Engagement	Organized Workshop on Research Paper	06/10/2023	Dr. Prakash Sharma, Director, Passion Infotech Pvt. Ltd, Pune	65	PO9, PO11

2022-23

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	G1: Inadequate Industry Preparedness	Industrial visit to CDAC	27/10/2023	Mr. Yogesh	47	PO6, PO7, PO9, PO11
2	G1: Inadequate Industry Preparedness	Organized Webinar on CICD with Docker and Kubernetes	19/05/2023	Mr. Ajinkya Nakave, MoU Coordinator,Veritas Software Technologies	74	PO6
3	G1: Inadequate Industry Preparedness	Organized Webinar on Security and Trust	18/10/2022	Kaarthik Sivakumar, Principal Engineer ,Cisco Systems, Bangalore	49	PO6, PO7, PO8
4	G1: Inadequate Industry Preparedness	Organized Webinar on Introduction to Arduino and Raspberry Pi	25/05/2023	Mr. Atul Wadkar, Director Algorithmic Electronics	69	PO6, PO7
5	G1: Inadequate Industry Preparedness	Organized Seminar on Drupal – Content Management System	11/04/2023	Mr. Ganesh Devkate, Software Consultant, Qset Technologies	60	PO6, PO7
6	G2: Ability to Apply Knowledge & Skills to Real-World Problems	Organized Hands-on Workshop on Programming in Multiplayer Neural Network Model	17/11/2022	Mr. Yogesh Murumkar ,Director and Corporate Trainer of Bhrat Soft Solution Pvt.Ltd.Pune	40	PO6, PO7
7	G2: Ability to Apply Knowledge & Skills to Real-World Problems	Organized Seminar on SMAC Technologies and the Future	23/05/2023	Mr. Ajay Deshpande, Senior Director, Icertis	63	PO6, PO7
8	G2: Ability to Apply Knowledge & Skills to Real-World Problems	Organized Seminar on Introduction to Angular	16/02/2023	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune	64	PO6, PO7
9	G2: Ability to Apply Knowledge & Skills to Real-World Problems	Organized workshop on Master in Front End Development Using Angular	11/03/2023	Mr. Pritam Kamble, MEAN Stack Developer/Flutter Developer, Biz2credit and trainer at Linkcode Technologies	65	PO9, PO11
10	G3: Inadequate Innovation, Entrepreneurship & Research Engagement	Organized workshop on Entrepreneurship and Innovation	20/05/2023	Dr. Prakash Sharma, founder Pcombinator and Passion Infotech,Pune	86	PO9, PO11
11	G3: Inadequate Innovation, Entrepreneurship & Research Engagement	Organized Webinar on How to Plan for Start-up	11/05/2023	Dr. Prakash Sharma, founder Pcombinator and Passion Infotech,Pune	98	PO8, PO9, PO11

2021-22

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	G1: Inadequate Industry Preparedness	Organized Certification Course on Application Development using Python Programming	10/02/2022	Mr. Parth Shukla, Co-Founder 9 LedgePro	30	PO6
2	G1: Inadequate Industry Preparedness	Organized Webinar on Basics of Python Programming	09/10/2021	Mr. Qaidjohar Jawadwala, Founder & CEO, QJ Technologies	83	PO6
3	G1: Inadequate Industry Preparedness	Organized seminar on Internship Opportunities in Advanced IT Trends	15/10/2022	Dr. Prakash Sharma, Passion Infotech Pvt. Ltd.,Pune	80	PO6
4	G1: Inadequate Industry Preparedness	Organized Webinar on How to Prepare for Technical Interview	10/07/2021	Ms. Nayan Wandile, Ms.Sakshi Singh, Ms. Pooja Veer, Ms. Shweta Rajoria, Alumni, BVCOEW, Pune and Engineer Trainee (Pega Developer),Vodafone India Pvt. Ltd. Software	91	PO6, PO8
5	G1: Inadequate Industry Preparedness	Organized Webinar on Preparation for Placement in Dream Company	01/10/2021	Mr. Rahul Ahire, Director, Link-Code Technologies	61	PO6, PO8
6	G1: Inadequate Industry Preparedness	Organized Seminar on Importance of Java Fullstack	22/03/2022	Mr. Rahul Ahire, Director, Link-Code Technologies	63	PO6, PO7
7	G1: Inadequate Industry Preparedness	Organized webinar on IT Industry Roadmap and Placement Preparation	09/09/2021	Mr. A. B. Aher, KasNet Technologies Pvt.Ltd.	59	PO6, PO7, PO8
8	G2: Ability to Apply Knowledge & Skills to Real-World Problems	Organized Workshop on Developing a Chatbot Using NLP	21/03/2022	Mr. Yogesh Murumkar, Director and Corporate Trainer, Bharat Soft Solutions, Pune	58	PO6, PO7
9	G2: Ability to Apply Knowledge & Skills to Real-World Problems	Organized Webinar on Game Theory for the Internet Age	01/04/2022	Dr. R. Ramanujam, Professor, Institute of Mathematical Sciences, Chennai	69	PO7, PO8, PO11
10	G2: Ability to Apply Knowledge & Skills to Real-World Problems	Organized Webinar on Machine Learning Applications in Real World	09/12/2021	Mr. Yogesh Murumkar, Director and Corporate Trainer, Bharat Soft Solutions, Pune	27	PO9, PO11
11	G2: Ability to Apply Knowledge & Skills to Real-World Problems	Organized Seminar on Arduino for Beginners	06/04/2022	Mr. Atul Wadkar, Algorithmic Electronics Pune	59	PO9, PO11

2.2 Teaching - Learning Processes (100) Total Marks 95.00

2.2.1 Describe processes followed to improve quality of Teaching & Learning (25)

Institute Marks : 24.00

The institution follows a structured approach to continuously enhance the quality of teaching and learning.

A. Adherence to academic calendar

Alignment with SPPU Academic Calendar

The institute aligns its academic activities with the academic calendar provided by Savitribai Phule Pune University (SPPU) through a systematic and well-coordinated process led by the Internal Quality Assurance Cell (IQAC).

Academic Calendar Preparation

Upon receiving the academic calendar from SPPU, which includes semester commencement and conclusion dates, and examination schedule, the IQAC prepares the institute-level academic calendar accordingly. This calendar is then received by the department for further planning and implementation.

Department-Level Planning and Execution

The Department prepares its academic calendar in alignment with the institute's calendar. It includes:

- Department Advisory Board (DAB) and Program Assessment Committee (PAC) meetings
- Project reviews
- Industrial visits
- Student Chapters, Student Associations, and MoUs activities
- Assessment schedules (unit tests, assignments, mock/practical/oral examinations)
- Remedial and extra classes
- Guest lectures, workshops, and technical events
- Sports events and project exhibitions
- Celebrations of national/state commemorative days and
- NSS and SDO activities, etc.

The departments academic calendar is published on the departments web page of the College website and displayed on the department notice board to ensure clear and timely communication of academic schedules to all stakeholders. All activities are executed as per the planned schedule, ensuring strict adherence to both the institute's and SPPU's academic calendars.

B. Use of various instructional methods and pedagogical initiatives

The Department of Information Technology at Bharati Vidyapeeth's College of Engineering for Women, Pune, conducts student-centric activities to help students build employability skills, technical knowledge, and strong ethical values.

Table 2.2.1.1 Various Instructional Methods

Sr. No.	Pedagogical Initiative	Description	Outcome/Purpose
1	Interactive Learning	Student-centered teaching with active participation	Improved engagement and understanding
2	Technology-Enabled Tools	Use of Smart Boards, PPTs, Google Classroom, MS Teams, etc.	Enhanced digital learning and resources
3	Student Activities	Questioning, discussions, projects, seminars, group work	Developed critical thinking and teamwork
4	Faculty Development	Faculty training and use of open-source tools	Better guidance and updated knowledge
5	Collaborative Learning	Projects, mock vivas, industrial visits, peer to peer traning.	Students gained practical experience, exam confidence, and peer-supported career guidance.
6	Technical Events	Annual events for project display and paper presentation	Improved technical skills and confidence

The department ensures effective teaching by integrating various ICT tools into classroom teaching. Communication of study materials and academic updates is facilitated through platforms such as Google Classroom, WhatsApp groups, and ERP systems. Additionally, smart boards, lecture recording systems, online quizzes, and educational YouTube videos are used to make learning more engaging and accessible. These combined efforts boost student interest and support continuous learning.

- **Course File**

A Course File is a comprehensive record maintained by faculty for each course they teach. The primary objective of the course file is to ensure structured and effective implementation of the curriculum while meeting institutional and accreditation standards. Table 2.2.1.2 shows the contents of the course file.

Table 2.2.1.2 Course File Contents

Sr. No.	Document Title	Description
1	Units (Syllabus)	Detailed breakdown of syllabus units as per the University curriculum
2	Course Outcomes (COs)	Specific outcomes students are expected to achieve upon course completion
3	CO-PO Mapping	Mapping of Course Outcomes with relevant Program Outcomes
4	CO-PO Mapping Justification	Justification and rationale for each CO-PO linkage
5	Course Objectives	General goals and intended purpose of the course
6	Student List	Complete list of students enrolled in the course
7	Proposed Planning	Weekly or daily teaching plan aligned with syllabus
8	Completion Report	Confirmation and documentation of course content delivery
9	Tutorial Completion Report	Record of tutorials conducted as per the syllabus
10	Syllabus Completion Report	Declaration and proof of completed syllabus by the course instructor
11	Defaulter Students List	List of students falling short of minimum attendance requirements
12	Faculty Weekly Timetable	Instructor’s detailed weekly academic schedule
13	Program Outcomes (POs)	Department’s Program Outcomes as per NBA guidelines
14	Direct Attainment Report	Report of CO attainment through direct tools such as unit tests, assignments, etc.
15	Indirect Attainment Report	Report of CO attainment through feedback, surveys, etc.
16	Combined Direct and Indirect Outcome Report	Comprehensive report of total CO attainment from direct and indirect sources
17	List of Internal Examinations	Record of all internal assessments like unit tests, tutorials, and assignments
18	List of External Examinations	Information on external (university-level) examinations
19	Result Analysis Modules with Performance	Analysis of student performance with result trends and insights
20	List of Assignments	Record of all assignment questions and topics shared with students
21	Meetings Report	Minutes or summaries of academic and departmental meetings
22	Mentees List	List of students under the mentorship of the faculty
23	Attendance Report (As per Completion Date)	Detailed attendance record till syllabus completion
24	Rubrics Attainment (Tabular Format)	CO attainment using rubrics in a structured tabular format

C. Methodologies to support weak students and encourage bright students

From the second year onwards, students are identified as bright or weak students based on their consistent performance in internal and university exams, as well as their participation in co-curricular activities.

Table 2.2.1.3 Activities to Support Weak Students and Encourage Bright Students

Student Performance Classification	Identification Criteria	Activities identified	Impact Analysis
Bright Students	• Student scoring marks between 80% and 100% for Unit test 1 and Unit test 2 in the given course. • Faculty Observations	• Paper publication and presentation • Workshop/Seminar on current trends • Participation in University, State, National and International level Competitions such as Avishkar, Dipex, NES innovation awards, Hackathons, etc.	• Improved research and technical writing skills through paper publication and presentation • Enhanced awareness of emerging technologies via workshops/seminars • Strengthened problem-solving and innovation through participation in competitions
Weak Students	• Student scoring marks between 0% and 39% for Unit test 1 and Unit test 2 in the given course • Faculty Observations	• Remedial lectures. • Re-test for improvement. • Counselling – special hints & techniques • Question bank • Guidance for Seminar/Project presentations	• Improved understanding of concepts through remedial support • Enhanced exam performance via re-tests and practice sessions • Increased confidence and motivation through personalised counselling • Better communication and subject clarity through seminar/project guidance

D. Quality of Classroom Teaching (Observation in a Class)

A positive classroom environment enhances the learning experience. Classrooms are well-equipped and well-maintained with:

- Smartboards
- High-speed internet
- Proper seating arrangements and ventilation
- Regular cleaning of classrooms, labs, and campus

Innovative Teaching Methods:

- Use of **ICT tools** such as Smartboards, online videos, and digital platforms.
- Use of **brainstorming** sessions and **activity-based learning** to increase engagement.

Feedback Mechanism:

Classroom teaching quality is regularly evaluated through student feedback and verified by the Head of the Department through classroom observations.

E. Conduct of experiments (Observation in Lab)

Students perform all experiments as prescribed in the University syllabus. The departmental laboratories are well-equipped with the necessary software and infrastructure to support effective practical learning.

- **Laboratory Readiness:** Before the commencement of the semester, the required software and tools are installed and tested by the lab in charge and the laboratory assistant.
- **Instructional Support:** Students are provided with detailed lab manuals and supplementary materials for each experiment.
- **Supervision & Verification:** Faculty members verify the outputs of software-based experiments, and all student files are maintained in an organised manner.
- **Infrastructure & Information Display:** All laboratories have display boards showing lab specifications, utilisation, experiment lists, code of conduct, timetables, charts and information of renowned scientists and researchers.
- **Internet Access:** Laboratories are equipped with internet connectivity to support access to e-learning resources during practical sessions.
- **Hands-on Support:** Faculty members assist students in resolving practical issues during lab sessions.

F. Continuous assessment in Laboratories

- Faculty evaluate each student during every lab session based on how well they perform experiment, their understanding of the concept, and overall involvement in the session.
- After completing each experiment, an oral viva is conducted to check the student's conceptual clarity and assess their performance.
- The department follows continuous improvement in teaching methods and student learning outcomes.
- Faculty maintain a Continuous Assessment Sheet (CAS) to regularly track and assess students performance in laboratory activities.

The continuous assessment sheet outlines the following key criteria, which serve to monitor and evaluate students' performance in laboratory work

1. **Timely Submission** – Whether the student submits work on time.
2. **Presentation** – The clarity, structure, and neatness of the work submitted.
3. **Understanding** – The student's grasp of the experiment and ability to explain it conceptually.

G. Student Feedback on teaching and learning process and action taken

- At the end of each semester, students submit feedback on courses and faculty through the ERP system. The feedback form includes parameters such as curriculum coverage, communication skills, and teaching effectiveness.
- Faculty performance is evaluated based on the students feedback. The analysis of the feedback is done with the help of ERP.
- The Head of the Department appreciates faculty members who score above 80%.
- Those scoring below 70% are called for a discussion to identify specific challenges, such as lecture preparation, subject knowledge, or delivery style.
- They are then provided with appropriate support and guidance to enhance their teaching effectiveness.

2.2.2 Quality of internal semester Question papers, Assignments and Evaluation (20)

Institute Marks : 19.00

A. Process for internal semester question paper setting and evaluation and effective process implementation

- **Unit Test I** is conducted for Second Year, Third Year and Final Year students, which evaluates **Units I and II**, carrying **30 marks** with a **1-hour duration**.
- **Unit Test II** is conducted for Second Year, Third Year and Final Year students, which evaluates **Units IV and V**, carrying **40 marks** with a **1-hour and 30-minute duration**.

Question Paper Setting and Submission Process

- Question papers are generated exclusively through the ERP software.
- Course Outcomes (COs) are specified for each question in the question paper.
- Unit Test I is based on Unit 1 mapped with CO1 and Unit 2 mapped with CO2.
- Unit Test II is based on Unit 4 mapped with CO4 and Unit 5 mapped with CO5.
- Each question must be appropriately mapped to its corresponding Bloom's Taxonomy Level (BTL).
- All paper setters are instructed that while printing the question paper from the ERP system, faculty name, employee serial number, and performance indicators must not be included.
- Faculty must prepare two sets of question papers along with a corresponding marking scheme and detailed solutions.
- Both sets must be sealed in separate envelopes. Each envelope should be properly labelled and signed by the course teacher and Head of Department (HOD).

Evaluation Process:

- The evaluated answer sheets of the Unit Tests are shown to students for their review.
- The course teacher discusses the overall performance and provides feedback to the students.
- If a student has any grievance regarding the evaluation, she is encouraged to discuss it with the **respective course teacher** for clarification.

Assignments:

- Each course teacher prepares two assignments per semester, each carrying **15 marks**.
    - **Assignment 1** is based on **Unit 3 mapped with CO3**.
    - **Assignment 2** is based on **Unit 6 mapped with CO6** of the syllabus.
- **Assignment questions are designed as per Bloom's Taxonomy**, covering various cognitive levels to promote critical thinking and deeper understanding.
- Course Outcome (CO) and Blooms Taxonomy Level should be mentioned for each question in the assignment question paper.
- Assignment tests are conducted as per the schedule specified in the Academic Calendar.
- The course teacher explains the evaluation rubrics in detail before giving out the assignments, so students are aware of the assessment criteria.
- **After submission, oral tests (viva)** are conducted to evaluate students understanding of the assigned topics.
- **Each assignment is evaluated for 15 marks** based on the following criteria:
    - **Timely submission**
    - **Understanding of the content**
    - **Communication skills during viva**

B. Process to ensure questions from outcomes/learning levels perspective

A systematic approach is adopted to ensure that question papers uphold academic quality and are aligned with the defined course outcomes. To support this, an Institute-level Internal Question Paper Quality Assessment Committee (IQPQAC) has been constituted. The following guidelines are provided to assist the committee in effectively evaluating question papers for quality, relevance, and outcome alignment.

1. Verification of Basic Details:

IQPQAC ensures that the following are correctly mentioned on the question paper

- Subject Name
- Subject Code
- Unit Test Marks

IQPQAC verifies that all questions are strictly based on the prescribed syllabus of the respective unit. No question should be taken from topics outside the syllabus, from other units, or a different subject.

2. Verification of Question Paper Syllabus Content

Internal Question Paper Quality Assessment Committee ensures the quality of internal assessment question papers. Each paper is thoroughly reviewed for appropriate syllabus coverage, alignment with Course Outcomes and Bloom's Taxonomy levels, accurate mark distribution, and proper formatting. Question papers that do not meet the required standards are returned for revision, while those that are approved are sealed for further use.

3. Internal Exam Grievances Committee

Role and Responsibilities: The internal Exam Grievances Committee is established to address and resolve student concerns related to internal examinations fairly and transparently. The committee ensures that genuine academic grievances are handled promptly and judiciously.

Key Responsibilities:

- Review and address student complaints regarding internal exam evaluations, such as:
  - Discrepancy in marks awarded
  - Partial or improper evaluation
  - Questions asked beyond the prescribed syllabus
  - Non-adherence to evaluation rubrics or guidelines
- Facilitate re-evaluation or clarification from the concerned faculty member when required.
- Maintain records of all grievances and actions taken for accountability and quality assurance
- Ensure that all decisions are communicated to the concerned student(s) promptly.

C. Evidence of COs coverage in class test/ mid-term tests

The department conducts two Unit Test as well as two assignments to cover all COs for course. The first Unit Test covers questions addressing COs of 1 and 2, and the second Unit Test covers questions addressing COs of units 4 and 5. The department conducts two assignment per semester. The first assignment covers questions addressing CO 3 and the second assignment covers questions addressing CO 6.

D. Quality of Assignment and its relevance to COs

Assignments are an important part of continuous internal assessment and help students achieve the expected Course Outcomes (COs). The following practices are followed to ensure their quality and effectiveness:

- Each subject includes well-designed questions in the assignment, focusing on strengthening core concepts.
- The assignments are carefully mapped to specific COs and are designed to match different levels of Bloom's Taxonomy, encouraging deeper understanding and critical thinking.
- Teachers provide constructive feedback along with marks, helping students recognize their strengths and improve in areas where they are lacking.

2.2.3 Quality of student projects (25)

Institute Marks : 24.00

A. Identification of Projects and Allocation to faculty members Methodology

The department follows a well-structured approach to guide students through their projects:

- **Group Formation:**
  - Students form groups based on their area of interest.
  - Each group can have a maximum of four members.
- **Guide Allocation:**
  - Project guides are assigned based on the domain of the proposed project.
- **Orientation Session:**
  - The project coordinator conducts an orientation to brief students on project expectations.
  - Students are introduced to useful e-resources such as IEEE, ACM, Google Scholar, and Knimbus.
- **Idea Presentation and Topic Finalisation:**
  - Project groups present their ideas to a review committee.
  - The review committee comprises the assigned project guide and one senior faculty member.
  - The committee finalises one project topic for each group based on the presented ideas.

B. Types and relevance of the projects and their contribution towards the attainment of POs and PSOs.

Table 2.2.3.1 presents the mapping of project work areas undertaken by the department to the corresponding Program Outcomes (POs) and Program Specific Outcomes (PSOs)

Table 2.2.3.1 Mapping of Project Work Areas With POs and PSOs

Sr. No.	Project Domain/Area	Mapped POs & PSOs
1	Application-Based Projects (AI/ ML & Deep Learning)	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO2.
2	Cloud /IoT-based Projects	PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2.
3.	Network-Based Projects (Web, Network and Security)	PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO9, PO10, PO11, PO12, PSO3.
4.	Image and Video Processing Project	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO2.

The Project Coordinator and faculty members guide and encourage students to undertake project work in various domains aligned with their areas of interest. The Coordinator issues a circular to initiate the process of identifying project topics within domains such as:

- Internet of Things
- Cloud Computing
- Artificial Intelligence and Machine Learning
- Deep Learning
- Image /Video/Speech Processing
- Full Stack Development
- Computer Networks and Mobile Applications development, etc.

Categorisation of Projects:

Project**s** are broadly classified as:

1. **Industry Sponsored Projects:** Under this category, the project work is carried out in an industry or an external organisation with an identified Internal Guide and an External Guide (Industry Person).
2. **In-house Projects*:*** Under this category, the project work is carried out under the supervision of a faculty member from the department.

Table 2.2.3.2 In-house and Industry-Sponsored Projects

Academic Year	Total No. of Projects	No of In-house Projects	Industry Sponsored Projects

CAY (2024 – 2025)	19	10	9
CAY m1 (2023 – 2024)	19	7	12
CAY m2 (2022 – 2023)	20	19	01
CAY m3 (2021 – 2022)	24	20	04

Domain-wise distribution of the projects: The department encourages project groups to select their project domain from emerging fields in Information Technology.

Table 2.2.3.3 Projects in Various Domains

Sr. No.	Domain	No. of Projects			
		2024-25	2023-24	2022-2023	2021 – 2022
1	Artificial Intelligence	6	4	3	2
2	Machine Learning	7	10	7	10
3	Deep Learning	2		6	2
4	Full Stack Development		1	2	
5	Computer Networks and Mobile Applications development	1	1		2
6	Image and Video Processing		2		2
7	Internet of Things			2	1
8	Operating System				3
9	Big Data Analytics	1			1
10	Security	2			1
11	System Level		1		
Total		19	19	20	24

Table 2.2.3.4 Project Classification

Sr. No.	Academic Year	Total Number of Groups	Type of Project		
			Application	Product	Research
1	2024-25	19	7	6	6
2	2023-24	19	7	6	6
3	2022-23	20	8	9	3
4	2021-22	24	13	8	3

In conclusion, organising projects into domain-specific industry collaborations, in-house developments, application-focused research, and product-oriented categories has proven to be instrumental in ensuring the quality, relevance, and practical impact of student projects.

C. Process for Monitoring and Evaluation

Process of Monitoring: Project monitoring is conducted through four structured reviews by the Project Review Committee.

- **Project Stage–1 (Semester 7):**
  - **Review 1:** Initial project proposal presentation, assessment of objectives, scope, and feasibility.
  - **Review 2:** Evaluation of literature survey, methodology planning, and preliminary implementation.
- **Project Stage–2 (Semester 8):**

- **Review 3:** Assessment of project development, implementation progress, and testing outcomes.
- **Review 4:** Final evaluation before submission, focusing on results, conclusions, and overall project quality.

- Suggestions and feedback from each review are documented in the project evaluation sheet of the project logbook.
- The project guide ensures that all recommendations are addressed and implemented by the students.
- Weekly meetings are conducted between project guides and student groups to monitor progress and provide guidance.
- Upon task completion, students prepare their project reports in the prescribed format.
- Guides verify the authenticity and structure of the reports.
- Plagiarism is checked using **iThenticate** software.
- After all corrections and approvals, students proceed to bind and submit their final project reports.

Evaluation of the Project Reports:

The project work is conducted in two stages:

- **Stage-1** in the **7th semester**
- **Stage-2** in the **8th semester**

Stage-1 Evaluation (7th Semester):

- **50 marks** are allotted for the Project Phase-1 examination.

Assessment is based on:

- Attendance and participation
- Problem identification
- Literature review
- Performance in **Review 1** and **Review 2**

Stage-2 Evaluation (8th Semester):

- **100 marks** are allotted for the **Term Work (TW) examination**, based on project documentation, implementation, and performance in **Review 3** and **Review 4**, assessed by the Project Review Committee.
- **50 marks** are allotted for the **Oral Examination (viva voce)**, conducted jointly by an **external** and an **internal examiner**.

Evaluation criteria include:

- Clarity of problem definition
- Quality of literature survey
- Use of modern tools
- Implementation effectiveness
- Depth of result analysis

Rubrics for Project Internal Evaluation:

- Rubric – I: Project Review I by the project guide and panel member (25 marks)
- Rubric – II: Project Review II by the project guide and panel member (25 marks)
- Rubric – III: Project Review III by the project guide and panel member (25 marks)
- Rubric – IV: Project Review IV by the project guide and panel member (25 marks)

Table: 2.2.3.5 Project Monitoring and Evaluation Rubrics (Project Stage-1 & Project Stage-2)

Project Phase-I Review	
Project Title Presentation	The project title has been finalised based on the presentation and review discussion.

Review-1	**Synopsis -** 1. The precise problem statement/title based on literature survey and feasibility study. 2. Motivation, objectives, and scope of the project. 3. List of required hardware, software, or other equipment for executing the project, test Environment/tools, cost and software measurement/human efforts in hours. 4. System overview- proposed system and expected outcomes. 5. Architecture and initial phase of design Data Flow Daigram (DFD).
Review-2	**Requirement and Design Specification-** 1. User and System Requirements. 2. Functional and Non-functional Requirements. 3. SRS Document, writing structures SRS as per Problem Statement. 4. Requirement Analysis / Models. 5. UML/ER Diagrams. 6. Detail architecture / System design/ Algorithms with analysis / Methods / Techniques. 7. Need to discuss Design models and Component level designs. 8. Detailed Design (DFD levels as per the problem statement). 9. At least 30-40% coding documentation with at least 3 to 4 working modules. 10. Identification of test to be essential and appropriate (to be implemented later). 11. Project plan.
Phase-1 Exam	External Evaluation carried out as per SPPU schedule
Project Phase-II Review	
Review-3	**Implementation –** 1. Detailed study of Algorithm(s) / Model / Hardware specification (As applicable). 2. Confirmation of Data set used (As applicable) 3. Detailed ER Diagram / DFD diagrams. 4. Detailed UML Diagrams. 5. Sample results (module based).
Review-4	**Testing and Result Analysis-** 1. Appropriate test cases and results of test cases. 2. Representation of results with analysis. 3. Conclusion over performance parameters (as applicable) 4. Conclusion and future work suggested. 5. Knowledge of references utilized.
Final Project demonstration	Demonstration and evaluation
Phase-II Exam	External Evaluation carried out as per SPPU schedule

D. Process to assess individual and team performance

- **Project progress presentations** are held at the time of review. These are evaluated by the **project guide** along with another **faculty member** acting as a reviewer.

- A **Project Review Committee** also assesses the overall progress of the project through **internal reviews, presentations**, and **demonstrations**.
- The **project guide** continuously monitors each student's contribution through **weekly meetings** and review presentations. Evaluation is done based on the criteria specified in the **student project workbook**.
- An **external examination** is conducted by a **University-appointed examiner**, and marks are assigned **individually** to each student in the group.

Table 2.2.3.6 Project Evaluation Rubrics of Project Phase-I

Rubric- Performance Indicator	Marks	Excellent (100%)	Acceptance (80%)	Needs Improvement (60%)
Originality of Problem Statement	5	Problem is highly innovative, unique, and addresses a real-world challenge; not a repetition of existing work.	Problem shows some originality but builds on existing ideas with minor novelty.	Problem is common or derived from well-known examples with minimal innovation.
Depth of Understanding the Problem Statement	5	Demonstrates a deep and clear understanding; clearly explains context, challenges, and requirements.	Shows good understanding but lacks depth in some areas.	Basic understanding with gaps in problem definition and context.
Concrete Literature Survey with Identified Gaps	5	Comprehensive review of relevant papers; gaps and research opportunities clearly identified and well-documented.	Covers adequate literature; some gaps are identified but not deeply analyzed.	Limited literature review with few references; gaps vaguely stated.
Design and Analysis of Algorithm / Model / Architecture / System	20	Well-designed, optimized, and innovative solution with detailed analysis and validation; demonstrates strong technical depth.	Functional and logically designed solution with reasonable analysis; some improvements possible.	Basic solution design with minimal analysis; lacks depth in validation and optimization.
Representation of Results (Tabulation/Graphs)	5	Results are well-presented with clear tables, graphs, and visualizations; easy to interpret.	Results are presented with some visuals but may lack clarity or completeness.	Minimal results presentation; unclear tables/graphs.
Presentation Skills	5	Clear, confident, well-structured presentation with excellent communication and audience engagement.	Good presentation with minor issues in clarity or delivery.	Acceptable presentation but lacks structure, confidence, or engagement.
Report Preparation and Paper Publication	5	Report is professional, well-structured, and error-free; paper is submitted/published in a quality venue.	Report is complete with minor formatting or content issues; paper prepared/submitted but not yet published.	Report is basic with errors; no paper prepared or only draft stage.

E. Quality of completed projects/working prototypes

The quality of the students projects is analysed based on the following criteria.

- The following parameters are used for the assessment of the quality of projects:

- Publication of a paper based on the project in a reputed conference/journals
- Projects sponsored by Industry
- Participation in reputed project competitions at university, state, national and international level.
- Participation in idea presentation, innovation competition, Hackathon at university, state, national and international level.
- Promotion for filing copyrights

The project development process involves several key stages, including problem identification, literature review, design methodology, system implementation, results analysis, documentation, presentation skills, and the ability to effectively respond to questions. In addition to guiding students through these stages, the department has taken various initiatives to encourage them to explore their interests, build upon previous work, and make effective use of available resources.

Overall, the department plays a significant role in fostering a culture of research, innovation, and continuous learning among its students.

- Copies of previous years projects are made available in the department library for reference and inspiration.
- Faculty members actively encourage students to undertake in-house and sponsored projects to promote practical learning and innovation.
- Students are motivated to participate in project exhibitions and competitions where they can showcase their innovations and technical skills.
- Students are encouraged to publish their work in reputed journals and conferences.

Table 2.2.3.7 Student Particiaption in Project Competition

Sr. No.	Academic Year	Total No. of Project Groups	Participation in the National Level Project Competition
1	2024-25	19	45
2	2023-24	19	34
3	2022-23	20	19
4	2021-22	24	4

F. Evidences of Papers Published /Awards received by Projects, etc.

Table 2.2.3.8 Awards Received by Projects A.Y.2024-25

Sr. No.	Title of the Project	Student Name	Faculty Name	Name of Activity	Organized By
1	Automated Tree Enumeration and Analysis Using Image Analytics	Saee Datar	Prof. Dr. Ketaki Malgi	Copyright for the Project title and system architecture	Copyright office, Government of India
2		Sakshi Deshmukh			
3		Arpita Dhage			
4	Telemedicine	Shamal Bhujbal	Prof. Dr. Ketaki Malgi	Second Prize in Project XPO , BharatiYugam2025	Bharati Vidyapeeth's College of Engineering for Women
5		Dhokate Priyanka			
6	AI in Public Transport for Schedule Optimization	Mariyam Boxwala	Prof. Swati Sagar	Copyright for the Project title and system architecture	Copyright office, Government of India
7		Apurva Nangare			
8		Trupti Yadav			

Table 2.2.3.9 Awards Received by Projects A.Y.2023-24

Sr No.	Title of the Project	Name of Student	Faculty Name	Name of Activity	Organized By
1	Predictive Caching for file system	Nupur Agrawal	Dr. K. A. Malgi	Copyright for the Project title and system architecture	Copyright office, Government of India
2		Srushti Bhoite			
3		Prajwal Said			
4		Sayali Shelar			
5	Abhaya-Fostering Citizen-Police collaboration for safer cities through innovative technology	Priyanka Auti	Dr. K. A. Malgi	Copyright for the Project title and system architecture	Copyright office, Government of India
6		Rutika Bhosale			
7		Rutuja Chatur			
8		Sakshi Korde			

9	ChatGPT Interfaced Quiz Generator	Sanjivani Nagnath Bulbule	Prof. A. D. Khairkar	Copyright for the Project title and system architecture	Copyright office, Government of India
10		Sneha Anant Manchalkar			
11		Shweta Santosh Phatate			
12		Krishna Rajesh Soni			
13	Image / Video morphing, fine tuning for photo studios	Aditi Hulwan	Prof. N. A. Mulla	Copyright for the Project title and system architecture	Copyright office, Government of India
14		Vaishnavi Ingawale			
15		Namrata Jadhav			
16		Rupali Kurhade			
17	Robotic framework for customer care and digital marketing	Samiksha Bandgar	Prof. M. A. Rane	Copyright for the Project title and system architecture	Copyright office, Government of India
18		Nikita Bankar			
19		Shruti Lad			
20		Rajiya Mulla			
21	Currency detector for visually impaired people	Gayatri Gayakwad	Prof. S. A. Hadke	Copyright for the Project title and system architecture	Copyright office, Government of India
22		Shraddha Jadhav			
23		Samta Bora			
24		Shailja Shree			
25	Robotic Framework for Requirement Management, Estimations, and Project Proposals	Sakshi Dubbewar	Prof. M. A. Rane	Copyright for the Project title and system architecture	Copyright office, Government of India
26		Vaishnavi Manjramkar			
27		Shweta Patil			
28		Shital Jadhav			
29		Mrunmai Watane			
30	Intelligent real estate assistant	Divya Mendagudale	Prof. K. V. Patil	Copyright for the Project title and system architecture	Copyright office, Government of India
31		Kranti Gunjal			
32		Prajakta Karande			
33		Muskan Tak			
34		Ruchika Nanwani			
35	AI driven file system performance optimization	Nisha Dnyaneshwar Avhad	Prof. S. A. Sagar	Copyright for the Project title and system architecture	Copyright office, Government of India
36		Anam Wasim Bagwan			
37		Vaishnavi Vijay Patil			
38		Sneha Dattatray Salunke			
39	Enhancing traffic Scene and understanding through image captioning and audio	Shruti Mulay	Prof. K.V. Patil	Copyright for the Project title and system architecture	Copyright office, Government of India
40		Jivani Suryawanshi			
41		Sejal Pawar			
42		Vaishnavi Walgude			

43	Identification of informative tweets during disasters	Sharwari Bhalerao	Prof. S. A. Hadke	Copyright for the Project title and system architecture	Copyright office, Government of India
44		Samruddhi Divekar			
45		Gargee Mardikar			
46		Swapnali Tawade			
47	Virtual Assistant for Visually Impaired	Anuja Babar	Prof. S. A. Sagar	Copyright for the Project title and system architecture	Copyright office, Government of India
48		Janhvi Mawal			
49		Gauri Khanzode			
50		Amina Shaikh			
60	AI driven decision making for safety food/cosmetic using OCR	Trupti Pacharne	Prof. A.D.Khairkar	Copyright for the Project title and system architecture	Copyright office, Government of India
61		Anuja Borate			
62		Shreya Mohite			
63		Shreya Nilakh			
64	Cyber security compliances using AI driven exercises	Diksha Raina	Prof. S. A. Sagar	Copyright for the Project title and system architecture	Copyright office, Government of India
65		Sakshi Mahamuni			
66		Samruddhi Pagar			
67		Saswati Parida			
68	Using machine learning methods to predict in-hospital mortality of sepsis patients in the ICU	Sneha Bamane	Prof. M. A. Rane	Copyright for the Project title and system architecture	Copyright office, Government of India
69		Akansha Chandle			
70		Shweta Maharanawar			
71		Devyani Pathrikar			

Table 2.2.3.10 Awards Received by Projects (A.Y. 2022-23)

Sr No.	Title of the Project	Name of Student	Faculty Name	Name of Activity	Organized By
1	Brain Tumor Detection and Classification using Deep Learning	Dhanashree Vaidya	Prof. N. A. Mulla	Secured third position in Prakalp 2023 (Project Competition and Exhibition)	Dept of IT under INNOVISION-2023- A National Level Techno-Social Symposium conducted by JSPM Group of Institutes Tathawade Campus, Pune.
2		Manavi Kamble			
3		Isha Mishra			
4		Prajakta Thorat			

Table 2.2.3.11 Student Participation in Paper Publication

Sr.No.	Academic Year	Total No. of Project Groups	Paper Publications	
			Journal	Conference
1	2024-25	19	5	5

2	2023-24	19	6	5
3	2022-23	20	16	-
4	2021-22	24	17	-

2.2.4 Initiative related to industry interaction (15)

Institute Marks : 14.00

A. Industry-supported laboratories

Details of industry-supported laboratories are listed in the following table.

Table 2.2.4.1 List of Industry-Supported Laboratories

Sr. No.	Laboratory Type/Name	Name and Type of Industry that Supports Lab	Objectives	Resource /Training/Expert Talk Provided by Sponsored Industry	Impact/Outcomes
1	AWS Academy Lab (AAL)	Amazon Web Services (Cloud Computing and Infrastructure Industry)	1. Equip students with globally relevant cloud computing skills. 2. Enable hands-on learning in AI/ML, Big Data, DevOps, and Security.	1. Access to AWS Academy curriculum (instructor-led & self-paced). 2. AWS Educate and Learner Labs for practical cloud-based labs.	1. Students earn AWS certifications and industry-relevant skills, boosting employability. 2. Faculty gain expertise and teaching proficiency in cloud domains.
2	Oracle Academy Lab (OAL)	Oracle Corporation (Product & Cloud Services Based Industry)	1. Provide students with curriculum on Java, Databases, Cloud, AI/ML, and Project Management. 2. Foster hands-on learning with Oracle Cloud and APEX.	1. Oracle Cloud Free Tier for academic use. 2. Oracle Academy Education Bytes (flexible learning modules with labs). .	1. Students gain exposure to Oracle tools and earn certifications, enhancing employability. 2. Curriculum upgraded with practical, industry-aligned content.
3	PPK AI Lab	PASSIONIT PCOMBINATOR (AI Innovation, Entrepreneurship & Research Industry Ecosystem)	1. Empower students with AI, ML, GenAI, and entrepreneurial innovation skills aligned with global and local ecosystem needs. 2. Promote hands-on learning in prompt engineering, AI safety, data annotation, no-code AI, and rapid prototyping. 3. Support faculty in research paper development, AI skilling, and industry-guided project-based learning. 4. Integrate AI and innovation frameworks into mainstream academic and co-curricular programs.	1. Access to PASSIONIT proprietary frameworks (PRUTL, PASSION FRAMEWORK, KALKI AI alignment) for practical learning. 2. Guided micro-internships and live startup project participation. 3. Expert mentor talks, research bootcamps, hackathons, and online/offline sessions. 4. AI/Innovation games, simulation-based learning, and certification pathways. 5. Access to AI research tools, datasets, and industry-backed micro-projects.	1. Students gain AI innovation skills, project experience, and certification pathways for employability and startup readiness. 2. Faculty enhance AI research and teaching capabilities. 3. Curriculum enriched with applied AI and innovation-based projects. 4. Institutional profile elevated through collaborations with PASSIONIT PCOMBINATOR and exposure to global innovation ecosystems.

B. Industry involvement in the program design and partial delivery of any regular courses for students :

Industry Involvement in Curriculum Design:

- Industry professionals and BOS-IT members are part of the Department Advisory Board (DAB).
- Suggestions from industry experts are communicated to BOS-IT for incorporation in curriculum design.

Industry Participation in Academic Activities:

- Industry experts are invited as resource persons for events like ITechS'A (Student Association), ACM activities, audit courses, alumni engagements, and MOU-based initiatives.

Audit Courses for Holistic Development:

- Audit courses are introduced to broaden students knowledge and personality beyond the core curriculum.
- Topics include Copyrights & Patents, Leadership, IoT Applications, Statistical Learning, IPR, Startup Ecosystems and Japanese Language, among others.

Industrial Visits and Exposure:

- Students are taken to prominent organisations such as COEP Bhau Institute, C-DAC, Bharat Forge, and Sumago Infotech to gain real-world insights and understand industry practices.

Internships and Industry-Sponsored Projects:

- Students are encouraged to pursue internships during semester breaks and may carry out final-year projects in collaboration with industries.
- Faculty assist students with recommendation letters, coordination, and guidance.

Role of Industry Experts in Sponsored Projects:

Industry experts:

- Help define project objectives and scope.
- Offer technical guidance using modern tools and methods.
- Assist in project planning, identifying resources, and addressing challenges.
- Provide regular reviews and feedback.
- Support students in networking and career opportunities.

MOU-Based Activites:

The MoU facilitates collaboration with industry partners, enabling the conduction of industry-related activities and providing sponsorship for student projects.Under active MOUs, project titles for sponsored work are finalised by the partnering companies.

Table 2.2.4.2 List of MoU Based Sponsored Projects

Academic Year	Name of Sponsored Company	Number of MoU Based Sponsored Project	Total
2024-25	Passion Infotech	7	9
	Veritas Software Pvt. Ltd.	2	
2023-24	Passion Infotech	9	12
	Veritas Software Pvt. Ltd.	3	
2022-23	Veritas Software Pvt. Ltd.	1	1
2021-22	Veritas Software Pvt. Ltd.	1	2
	Algorithmic Electronics	1	

Activities conducted under the MoU from A.Y. 2021–22 to 2024–25 are listed below.

Table 2.2.4.3 Activities Under MOU 2024-25

Sr. No.	Date	Event Type	Topic	Name and Address of Resourse Person	Relevance of Pos
1	24 Sept,2024	Seminar	Current Trends in the Industry and Internship Awareness	Mr. A.B. Aher (Founder & Director) KasNet Technologies Pvt. Ltd., Narhe Industrial Estate, Narhe, Pune.	PO5,PO6,PO12

2	16 July,2024	Seminar	Brainstroming Project Ideas	Dr. Prakash Sharma,CEO, Passion Infotech,Pune	PO3,PO4,PO9
3	21-Jan-25	Seminar	Introduction to Full Stack Development and Generative AI	Mr. Rahul Ahire Founder and Director, Linkcode Technologies Pvt Ltd and Techonsy Software Limited. and Mr. Pritam Kambale, Director and CTO, Linkcode Technologies Pvt. Ltd. and Techonsy Software Limited.	PO1,PO5,PO12
4	1 Aug, 2024 to 30 Apr, 2025	Project Sponsorship	BE Projects Sponsorship	Mr. Ajinkya Nakve/Mr. Niranjan Kale	PO3,PO8,PO10,PO11
5	1 Aug, 2024 to 30 Apr, 2025	Project Sponsorship	BE Projects Sponsorship	Dr. Prakash Sharma,CEO, Passion Infotech,Pune	PO3,PO8,PO10,PO11
6	22 Dec, 2024 to 31 Mar, 2025	Internship	Internship	Dr. Prakash Sharma,CEO, Passion Infotech,Pune	PO2,PO9,PO11
7	4 Mar, 2025 to 19 Apr, 2025	Training Program/Certification Course	Training Program on “Introduction to Python Programming & Machine Learning”	Mr. Aniket Kulkarni, Aptite Solutions	PO1,PO5,PO12

Table 2.2.4.4 Activities Under MOU 2023-24

Sr. No.	Date	Event Type	Topic	Name and Address of Resource Person	Relevance of POs
1	10/7/2023	Seminar	Introduction to NodeJS	Mr. Qaidjohar Jawadwala, Founder & CEO, QJ Technologies	PO1, PO2, PO5
2	13/10/2023 to 14/10/2023	Workshop	Programming Web APIs with NodeJS	Mr. Qaidjohar Jawadwala, Founder & CEO, QJ Technologies	PO1, PO2, PO3, PO5
3	4/8/2023	Seminar	Microsoft Cloud Internship Awareness	Mr.A.B.Aher, KasNet Technologies Pvt.Ltd.	PO6, PO8, PO12
4	6/10/2023	Seminar	Career in Web development with Mean and Mern Stack	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune	PO5, PO9, PO10, PO12
5	6/10/2023	Workshop	Research Paper Writing	Dr. Prakash Sharma, Director, Passion Infotech Pvt. Ltd, Pune	PO2, PO4, PO10

6	12/1/2023	Webinar	Cloud Security	Ms. Girija Swami, Principal Software Engineer, Veritas, Pune	PO1, PO6, PO8, PO11
7	24/1/2023	Seminar	Introduction to Power BI	Mr. Yogesh Murumkar, CEO, Bharati Software Solutions, Pune	PO2, PO5, PO12
8	31/1/2024 to 10/02/2024 (30 hrs)	Workshop	Data Analysis using Power BI and Excel	Mr. Yogesh Murumkar, CEO, Bharat Software Solutions, Pune	PO2, PO5, PO12
9	12/2/2024	Seminar	Preparation for Placement	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune	PO9, PO10, PO12

Table 2.2.4.5 Activities Under MOU 2022-23

Sr. No.	Date	Event Type	Topic	Name and Address of Resource Person	Relevance of POs
1	14/10/2022	Seminar	Learning track for Internship and Placement	Mr. Rahul Ahire, Director, Link-Code Technologies	PO9, PO10, PO12
2	17/10/2022	Workshop	Programming in multilayer neural network model	Mr. Yogesh Murumkar, Bharat Soft Solutions,Pune	PO4, PO5, PO12
3	15/10/2022	Seminar	Internship opportunities in advanced IT Trends	Dr Prakash Sharma, founder Pcombinator and Passion Infotech,Pune	PO9, PO10, PO12
4	29/10/2022	Webinar	Extra steps for getting placed quickly	Mr. Qaidjohar Jawadwala, QJ Technologies, Pune	PO9, PO10, PO12
5	7/10/2022	Seminar	Careers in Information Technology	Ms. Nidhi Raut, Founder and Ms. Bhagyashree Raut, co-founder, Swaptechnobiz Pvt. Ltd, Pune	PO9, PO10, PO12
6	18/10/2022	Seminar	Current Trends in the Industry	Mr. Amol Aher (Founder & Director) KasNet Technologies Pvt Ltd., Narhe Industrial Estate, Narhe, Pune-41	PO10, PO12

7	16/2/2023	Seminar	Introduction to Angular	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune	PO5, PO12
8	11/3/2023 to 10/5/2023 (30 hr.)	Workshop	Master in Front End Development Using Angular	Mr. Pritam Kamble, MEAN Stack Developer/Flutter Developer, Biz2credit and trainer at Linkcode Technologies	PO3, PO5, PO12
9	7/5/ 2023	Webinar	Why Python Programming is a Future Skill for Every Learner	Mr. Parth Shukla, Founder, 9Ledgepro	PO5, PO12
10	12/5/2023	Seminar	Industry Requirements for landing a good job	Mr. Qaidjohar Jawadwala, QJ Technologies, Pune	PO9, PO10, PO12
11	19/5/2023	webinar	CICD with Docker and Kubernets	Ms. Swgatika Mahapatra, Veritas	PO5, PO9, PO12
12	11/5/2023	Webinar	How to plan for Start-up	Dr Prakash Sharma, founder Pcombinator and Passion Infotech,Pune	PO7, PO8, PO9, PO10
13	25/5/2023	Webinar	Introduction to Arduino and Raspberry pi	Mr. Atul Wadkar, Director Algorithmic Electronics	PO4, PO9, PO12
14	11/4/2023	Seminar	Drupal- Content Management System	Mr. Ganesh Devkate, Software Consultant, Qset Technologies	PO3, PO5, PO12

Table 2.2.4.6 Activities Under MOU 2021-22

Sr. No.	Date	Event Type	Topic	Name and Address of Resource Person	Relevance of POs
1	9/9/ 2021	Webinar	IT Industries Road Map and Placement Preparation	Mr. A.B.Aher, KasNet Technologies Pvt.Ltd.	PO9, PO10, PO12
2	24/8/2021	Workshop	Web Development using Angular JS	1. Mr. Parth Shukla, Co-Founder, 9Ledge Pro 2. Mr. Aniket Kalvit, Software Engineer, 9Ledge Pro	PO5, PO12
3	1/10/2021	Webinar	Preparation for Placement in Dream Company	Mr. Rahul Ahire, Director, Link-Code Technologies	PO8, PO9, PO10, PO12

4	23/10/ 2021	Webinar	Web App Development	Ms. Bhagyashri Raut, Co-founder, Swaptechnobiz, Pune	PO3, PO5, PO12
5	9/12/2021	Webinar	Machine Learning Applications in Real World	Mr. Yogesh Murumkar, Director and Corporate Trainer, Bharat Soft Solutions, Pune	PO4,PO5, PO12
6	3/9/2021	Webinar/ Meeting	Collaboration meeting of U-Connect team of Veritas with BVCOEW team	Mr. Deodatta Barhate Principal Engineer,Veritas Technologies LLC	PO9, PO10
7	16/9/2021	Webinar	Veritas interaction with BVCOEW Students reagarding Internship and Sponsership in Veritas	Mr. Sumit Dighe Technical Director ,Veritas Technologies LLC Mr.Deodatta Barhate Principal Engineer,Veritas Technologies LLC	PO9, PO10, PO12
8	8/9/2022	Webinar	Application Development in Python	Mr. Parth Shukla, Founder, 9Ledge Pro	PO3, PO5, PO12
9	10/2/2022 to 16/2/2022 (30 hrs)	Workshop	Application Development using Python	Mr. Parth Shukla, Founder, 9Ledge Pro	PO7, PO10, PO12
10	4th, 7th and 11th March, 2022 (total 7 hrs)	Workshop	Funnel Marketing	Ms. Ritika Kumari, Funnel Marketing Expert, Swaptechnobiz, Pune.	PO7, PO10, PO12
11	19/3/ 2022	Workshop	Software Development Life Cycle	Mr. Prashant Shingan Project Manager, Accenture	PO3, PO5, PO12
12	22/3/2022	Seminar	Importance of Java Fullstack	Mr. Rahul Ahire, Director, Link-Code Technologies	PO5, PO12
13	21/3/2022 to 22/3/2022	Workshop	Developing Chatbot using Natural Language Processing	Mr. Yogesh Murumkar, Director and Corporate Trainer, Bharat Soft Solutions, Pune	PO4, PO5, PO12
14	6/4/2022	Seminar	Arduino for Beginners	Mr. Atul Wadkar, Algorithmic Electronics Pune	PO4, PO5, PO9, PO12
15	5/4/ 2022	Seminar	Career and Placement Guidance	Mr. A.B.Aher, KasNet Technologies Pvt.Ltd.	PO9, PO10, PO12
16	23/3/2022	Seminar	Future of IT Industries	Mr. Dheeraj Karande, Java Developer, QSet Technology	PO10, PO12

- **Expert lecture delivered by Industry expert**

Table 2.2.4.7 Expert Lecture Delivered by Industry Expert A.Y. 2024-25

Sr. No.	Date	Type of Event	Name of the Activity	Name and Address of Resource person	Organized For	Relevance of POs

1	18/07/2024	Seminar	Data Structures	Mr. Nagesh Mhetre, Director, Click In Computers Pune-411043	SE(IT)	PO1, PO2
2	30/07/2024	Seminar	An appeal regarding Metabolic Health	Dr. Poonam Gupte, Senior Research Assistant at IRSHA BVDU, Pune-411043	SE(IT) and TE(IT)	PO6, PO8
3	02/08/2024	Seminar	100% Scholarship for Studying Abroad and Future Career Opportunities	Mr. Subhas Pol, Edwise International, Pune	TE(IT)	PO10, PO12
4	14/09/2024	Webinar	Cybersecurity fundamentals & how to ignite your career in Cybersecurity	Mr. Charu Pelnekar, CEO & Founder CSCCOUNCIL.org & ICET.ai	SE(IT) and TE(IT)	PO1, PO8, PO12
5	20/09/2024	Seminar	Higher Education and Career Opportunities Abroad	Miss. Leena Mohile, Destination Head, Study Smart.	TE(IT) and BE(IT)	PO10, PO12
6	21/09/2024	Seminar	Importance of Meditation in our Life	Mr. Dhananjay Kulkarni, Centre Coordinator, Dhankawadi, Branch Happy Thoughts, Tej Gyan Foundation	SE(IT) and TE(IT)	PO8, PO9, PO12
7	30/01/2025	Seminar	International education and career Pathways Abroad	Miss. Leena Mohile, Study Abroad Expert, Study Smart.	TE(IT) and BE(IT)	PO10, PO12
8	20/03/2025	Seminar	A hands-on Workshop on AI, IoT and Automation	Ms. Smita Amale Center, Manager CADD CAREER Pune.	SE(IT), TE(IT) and BE(IT)	PO1, PO5, PO12
9	16/04/2025	Seminar	Significance of Learning the German Language	Mr. Dipak Nakate Shree Datta Language Classes, Dattanagar, Pune-411046	TE(IT)	PO10, PO12

Table 2.2.4.8 Expert Lecture Delivered by Industry Expert A.Y. 2023-24

Sr. No.	Date	Type of Event	Name of the Activity	Name and Address of Resource person	Organized For	Relevance of POs
1	21/8/2023	Workshop	AWS Discovery Day-Cloud Workshop	Mr. Pranav Phadke & Mr. Ameya Vaidya, Brainfloss Pvt Ltd, A 101, Century Society, Kothrud, Pune-411038	TE(IT)	PO1, PO5, PO12
2	23/8/2023	Seminar	Data Structures	Mr. Nagesh Mhetre, Click-in Computers, Pune-411043	SE(IT)	PO1, PO2
3	28/8/2023	Seminar	BSE Capital Market Awareness	Prof. Arvind Sawant, Lotus knowledgewealth Pvt. Ltd.	TE(IT)	PO6, PO11, PO12

4	9/7/2023	Seminar	Introduction to ML	Prof. Ashwini D. Khairkar, Dept of Information Technology, BVCOEW, Pune-411043	SE(IT)	PO1, PO2, PO5, PO12
5	10/5/2023	Seminar	Internet of Things	Prof. Savita A Itkarkar, Department of Electronics & Telecommunication, BVCOEW, Pune-411043	TE(IT)	PO1, PO5, PO12
6	10/1/2024	Seminar	Placement Assistance for batch 2024	Mr. Aditya Wakodkar, Client Relation Manager	BE(IT)	PO10, PO12
7	1/2/2024	Seminar	Career Opportunities in Biomedical Engineering Field	Mrs. Vaishnavi Banke, Medifacts Inc, Pune	BE(IT)	PO6, PO12
8	9/2/2024	Seminar	Grooming Program On Cyber Security As per the Industry Standards	Mr.Manish Singh, Manager-Services Sales, Inflow Technologies Pvt. Ltd.	SE(IT)	PO1, PO8, PO12
9	9/2/2024	Seminar	Grooming Program On Cyber Security As per the Industry Standards	Mr.Manish Singh, Manager-Services Sales, Inflow Technologies Pvt. Ltd.	TE(IT)	PO1, PO8, PO12

Table 2.2.4.9 Expert Lecture Delivered by Industry Expert A.Y. 2022-23

Sr. No.	Date	Type of Event	Name of the Activity	Name and Address of Resource person	Organized For	Relevance of POs
1	30/8/2022	Seminar	Programming Techniques	Mr. Nagesh Mhetre, Click in Computers	SE(IT)	PO1, PO2
2	7/9/2022	Seminar	Study Abroad Opportunities (Foreign Languages)	Mr. Anand Bannatkar, ASAP (As Soon As Possible) Foreign Languages Institute	SE(IT)	PO10, PO12
3	16/9/2022	Seminar	Career opportunities in Indian Armed Forces for women-come join the team	Group Captain Sanjay Pethkar (Retd)	SE(IT)	PO6, PO8, PO9
4	16/9/2022	Seminar	Higher Studies Abroad and Further Opportunities and IELTS	Mr. Yogesh Ranga and Mr. Rahul Kamble	TE(IT)	PO10, PO12
5	23/9/2022	Seminar	Career Opportunities in IT	Mr. Mohan Dhanve, IANT J. M. Road Pune 1st Floor, Laxmi Sadan, Opp. Kalmadi Petrol Pump,Above Arrow Showroom, J.M. Road Pune-411004	SE (IT), TE(IT)	PO12

6	14/10/2022	Seminar	How can students get 100% scholarship to study abroad	Mr. Subhash Pol, BDM, Edwise International, Pune	TE(IT), BE(IT)	PO10, PO12
7	6/2/2023	Seminar	Higher Education and Career Opportunities	Ms. Vinisha Sunil Chavan (Study Abroad -Team Lead) Study Smart ,307, Insignia Building, Pune 411001	BE(IT)	PO10, PO12
8	25/2/2023	Webinar	Training Demo of Aptitude and Technical Training.	Mr Vivek and Mr. Pratyus Pratye Seventh Sense,Talent Solutions #26, 1st A cross, 3rd Phase, 5th block,3rd stage, Banashankari, Banglore,560085	TE(IT)	PO2, PO10, PO12
9	9/3/2023	Webinar	Training Demo of Aptitude and Technical Training (Seventh Sense Talent Solution)	Mr. Vivek and Mr. Saqlain Shariff Seventh Sense,Talent Solutions #26, 1st A cross, 3rd Phase, 5th block,3rd stage, Banashankari, Banglore,560085	SE(IT), BE(IT)	PO2, PO10, PO12
10	11/3/2023	Webinar	Training demo by Carpe Diem Boot Camp	Mr. Avinash Pathak Carpe Diem Boot Camp B-102, Kirti Elgant, Mahalunge, Pune 411045	TE(IT)	PO10, PO12
11	21/3/2023	Webinar	Training Demo by Eduplus	Mr. Sachin Satpute and Mr. Vishal Mohurle Eduplus 34A/1, Suyog Center, 6th floor, Market Yard Road, Gultekdi, Pune 411037	TE(IT)	PO2, PO10, PO12
12	25/3/2023	Webinar	Coding Super Power: Go Easy with C++ and Logic Building	Director. Bhakti Jagtap Bright Sea Technology Pvt.Ltd. Office No 504, Amanora Chambers, opposite SEASONS MALL, Amanora Park Town, Hadapsar, Pune, Maharashtra 411028	SE(IT)	PO1, PO2
13	29/3/2023	Guest Lecture	Computer Network and Security	Prof. Dr. Sandip Thite Vishwakarma University, Pune	TE(IT)	PO1, PO5, PO8
14	2/7/2023	Webinar	Training demo by Campus Credentia	Mr. Vishwajeet Dhuppe & Mr. Prashant Jha Campus Credential	TE(IT)	PO10, PO12

Table 2.2.4.10 Expert Lecture Delivered by Industry Expert A.Y. 2021-22

Sr. No.	Date	Type of Event	Name of the Activity	Name and Address of Resource person	Organized For	Relevance of POs
1	24/8/2021-25/8/2021	Workshop	Data Structures and Algorithms	Mr.Swapnil Gupta and Mr.Shantanu Shubham Coding Ninjas	TE (IT), BE(IT)	PO1, PO2, PO12
2	31/8/2021	Webinar	Profile Building and Career Opportunities	Mark Brandon Vernum Career Architect and Strategic Partnerships – Careerlabs	TE(IT)	PO10, PO12
3	22/9/2021	Webinar	Machine Learning	Mr Manish Singh Head-Institutional Sales, ATS Learning Solutions.	SE (IT), TE(IT)	PO1, PO5, PO12
4	30/9/2021	Webinar	Internship for developing the portfolio	Mr. Sachin Mohite, Executive Director SPACE for ECE.	TE(IT)	PO5, PO12
5	25/11/2021	Webinar	Spoken English	Ms. Kirti S. Bajaj Certified soft skill Trainer & Coach, Flamingo learnings.	TE(IT)	PO10, PO12
6	2/11/2022	Workshop	Excellence bytes	Mr. Aashish Jain, Carpe Diem Boot Camp, (B-102, Kirti Elegant, Mahalunge, pune-411045, Maharashtra, India)	TE(IT) & BE(IT)	PO9, PO10, PO12
7	2/15/2022	Workshop	Excellence bytes	Mr. Aashish Jain, Carpe Diem Boot Camp,(B-102, Kirti Elegant, Mahalunge, pune-411045, Maharashtra, India)	SE(IT)	PO9, PO10, PO12
8	3/25/2022	Seminar	Engineering is Awesome	Mr.Raghvan Koli (Founder & Author, Motivational Speaker)	SE(IT)	PO6, PO12
9	3/26/2022	Seminar	Basics of journal paper writing & publishing	Mr.Makarand Velankar (MKSSSs Cummins College of Engineering for Women, pune)	BE(IT)	PO4, PO8, PO10, PO12
10	3/31/2022	Seminar	Applications of Data Structures	Mr.Nagesh Mhetre (clickin computers, Pune)	SE(IT)	PO1, PO2, PO5

C. Impact analysis of Industry Institute Interaction and actions taken thereof

The department actively fosters industry engagement through a range of well-structured initiatives designed to bridge the gap between academic education and practical industrial experience. Regular guest lectures by industry professionals offer students valuable exposure to the latest technologies, industry trends, and workplace expectations. Industrial visits are conducted to help students gain direct insight into operational environments, tools, and methodologies used in the field. The department also establishes Memorandums of Understanding (MOUs) with leading industries to promote sustained collaboration in areas like training, consultancy, and joint ventures. Industry-sponsored projects allow students to tackle real-world problems, enhancing their technical competence and problem-solving abilities. Furthermore, internships are strongly encouraged and supported to provide students with practical experience and better prepare them for future careers. Together, these efforts reinforce industry-academia collaboration and significantly boost students employability and professional readiness.

Table 2.2.4.11 Industry Institute Interaction Activities

Sr. No.	Activities	Number of Activities Conducted (Year-Wise)			
		2024-25	2023-24	2022-23	2021-22
1	Guest Lecture by Industry Person	9	9	14	10
2	Industrial Visits	3	2	3	-

3	Memoranda of Understanding (MOU)	5	7	10	11
4	Sponsored Projects	9	12	2	4

Table 2.2.4.12 Name of Industries Involved in Interaction

Sr. No.	Industry Interaction Initiative	Name of Industry Involved	Impact analysis
1	Invited talks from industry experts. (ACM,I'techsa, MOU)	1) Cisco Systems, Bangalore 2) Icertis, Pune 3) Tata Consultancy Services, Pune 4) Vodafone India Pvt. Ltd., Pune 5) Emtec Technologies, Pune 6) Persistent System Limited, Pune 7) KasNet Technologies Pvt.Ltd. 8) Swaptechnobiz, Pune 9) Bharat Soft Solutions, Pune 10) Veritas Technologies LLC 11) 9LEDGEPRO - Software Training & Development Company 12) Accenture,Pune 13) QSet Technology 14) Brainfloss Pvt Ltd, 15) Click-in Computers pune 16) Lotus knowledgewealth Pvt. Ltd. 17) Medifacts Inc, Pune 18) Inflow Technologies Pvt. Ltd 19) Seventh Sense,Talent Solutions 20) Bright Sea Technology Pvt.Ltd. 21) ATS Learning Solutions. 22) Flamingo learnings 23) clickin computers,pune 24) Link-Code Technologies 25) Bharat Soft Solutions, Pune 26) Passion Infotech,Pune 27) QJ Technologies, Pune 28) Bharat Software Solutions, Pune	• Industry-relevant insight. • Bridged gap between theory and practice • Improved career awareness • Enhanced soft skills and confidence • Motivation and guidan • Strengthened industry-institute linkage

2	MOU’s Signed with Industries	1) Bharat Soft Solutions Pvt. Ltd. 2) Swaptechnobiz, Pune 3) KasNet Technologies Pvt Ltd. 4) Qset Technologies 5) Gigante Technologies Pvt. Ltd. 6) Algorithmic Electronics 7) Driven- 4 Systems India Pvt Ltd. 8) Veritas Software Technologies India Private Ltd. 9) Passion Infotech	• Enhanced practical knowledge. • Improved technical skills. • Increased awareness of industry trends. • Boosted confidence and communication • Bridged the academia-industry gap
3	Industrial Visits	1) COEPs Bhau Institute Of Innovation Entrepreneurship & Leadership, Pune 2) C-DAC Innovation Park, Pune 3) Ergen Technovation Pvt.Ltd,Pune 4) Bharat Forge 5) Sumago Infotech Pvt.Ltd.	• Enhanced practical knowledge. • Improved technical skills. • Increased awareness of industry trends. • Boosted confidence and communication • Bridged the academia-industry gap

2.2.5 Initiative related to industry internship/summer training (15)

Institute Marks : 14.00

2.2.5. Initiatives related to industry internship/summer training

A. Industrial training/tours for students

Engineering students are expected to visit industries and companies for an exposure to the latest trends and to experience the industrial environment. The program organizes industrial visits for the students. Visits to COEPs Bhau Institute of Innovation Entrepreneurship & Leadership, Pune, C-DAC Innovation Park, Bharat Forge, Sumago Infotech Pvt.Ltd had been successfully arranged in past years.

Table 2.2.5.1 Industrial Tours Organised

Sr.No.	Academic Year	Visited Industry	No. of Student	Coordinator	POs	PSOs
1	2024-25	COEPs Bhau Institute Of Innovation Entrepreneurship & Leadership ,Pune(sem2)	43	Prof.A.V.Kanade	PO3, PO6, PO9	PSO1, PSO3
		Sumago Infotech Pvt.Ltd(sem1)=59	60	Prof.S.A.Sagar	PO5, PO12	PSO2
		C-DAC Innovation Park,Pune(sem 1)=35	48	Prof.S.A.Hadke	PO1, PO4, PO11	PSO1, PSO2
		Kimaya Infotech	25	Prof.M.A.Rane	PO5, PO10	PSO2
2	2023-24	Bharat Forge	50	Prof.N.A.Mulla	PO1, PO7	PSO1
		C-DAC Innovation Park,Pune	35	Prof.A.V.Kanade	PO1, PO4, PO11	PSO1, PSO2
3	2022-23	COEPs Bhau Institute Of Innovation Entrepreneurship & Leadership ,Pune	34	Prof.S.A.Sagar	PO3, PO6, PO9	PSO1, PSO3
		C-DAC Innovation Park,Pune(sem2)=41	41	Prof.A.D.Kanade	PO1, PO4, PO11	PSO1, PSO2
		Ergen Technovation Pvt.Ltd,Pune(sem2)	41	Prof.M.A.Rane	PO3, PO8, PO9	PSO3

B. Industrial/internship/summer training of more than two weeks and post training assessment :

- As an affiliated college of Savitribai Phule Pune University, the Information Technology department directs its third-year students to complete a 4–6-week internship during their 5th semester break, as per the universitys curriculum. This new course of Internship was introduced in the academic year 2021-22, and in the previous academic year, a total of 68 students from Third Year IT department successfully completed the internship.
- To assess the performance of the students who have completed the internship successfully, the department takes several initiatives. The departments internship coordinator conducts an orientation program for the students before appearing for the internship, providing all the necessary guidelines regarding the internship activity. The students must maintain an internship diary in the format prescribed by the internship coordinator, and the internship guide communicates with the external/industry internship guide to monitor the students progress.
- After completing the internship, the students prepare the internship report and presentation during the internship practical hours and update their progress to the internship guide on a weekly basis. At the end of the semester, the students present their internship work and submit the report along with the internship completion certificate to the department. The students deliver their presentation and working model in front of an expert panel comprising the internship guide and senior faculty member.
- The students evaluation is based on several criteria, including depth of knowledge and skills, communication and presentation skills, teamwork, creativity, planning and organizational skills, adaptability, analytical skills, attitude and behavior at work, societal understanding, ethics, regularity and punctuality, attendance record, logbook, and feedback from the students external internship supervisor.
- Post-internship, internship guide collects feedback about the student based on recommended parameters such as technical knowledge, discipline, punctuality, commitment, willingness to do the work, communication skill, individual work, teamwork, and leadership.

Table 2.2.5.2 Number of Students Completed Internship

Academic Year	Students Completed Internships
2024-25	67
2023-24	76

2022-23	72
2021-22	77

- **Internship Assessment and Evaluation:**

The internship assessment is conducted based on a comprehensive set of qualitative and quantitative parameters. Key evaluation criteria include depth of technical knowledge, teamwork, creativity, planning and organizational skills, adaptability, attitude and behavior, ethical understanding, and societal awareness. Additionally, regularity, punctuality, attendance, and the maintenance of a log book are considered to ensure consistent engagement. The evaluation also includes the quality of the internship report and the student's feedback on the internship experience. Marks are awarded on a scale ranging from "Excellent" to "Poor" across each parameter, ensuring a fair and structured assessment of the student's overall performance during the internship.

Table 2.2.5.3 Internship Evaluation Rubrics

Criteria	Marks	Excellent (100%)	Very Good (80%)	Good (70%)	Satisfactory (65%)	Average (60%)	Below Average (50%)	Poor (40%)
Depth of Knowledge & Communication Skills	5	Demonstrates exceptional technical knowledge, explains concepts clearly, and presents confidently.	Strong subject knowledge, clear communication, minor hesitation.	Good understanding, communicates adequately with occasional errors.	Basic understanding, needs prompting, limited fluency.	Limited knowledge, unclear explanations.	Struggles with concepts, frequent errors in communication.	Lacks basic knowledge, unable to communicate ideas.
Team Work	5	Consistently collaborates, leads when required, and supports peers effectively.	Actively participates and contributes well in team tasks.	Works well in a team with occasional guidance.	Participates minimally; needs frequent supervision.	Rarely contributes; lacks coordination.	Often disengaged, conflicts with team.	Does not cooperate or contribute to team efforts.
Creativity	5	Consistently proposes innovative ideas and unique solutions to problems.	Offers creative inputs frequently.	Occasionally contributes creative suggestions.	Rarely suggests new ideas; mostly follows instructions.	Limited initiative, lacks originality.	Relies entirely on others' ideas.	No creative contribution.
Planning & Organizational Skills	5	Plans tasks proactively, organizes resources efficiently, and meets deadlines without supervision.	Plans effectively, minor supervision needed.	Completes tasks on time with guidance.	Needs frequent follow-up to stay organized.	Often misses timelines; needs detailed instructions.	Lacks planning; struggles to manage tasks.	Disorganized; unable to plan or execute effectively.
Adaptability & Analytical Skills	5	Quickly adapts to changes, solves complex problems logically and independently.	Adapts well to changes, solves most problems independently.	Adjusts to changes with moderate support.	Struggles with changes; needs significant help for problem-solving.	Resists changes, weak analytical approach.	Cannot analyze issues without guidance.	Fails to adapt or analyze problems effectively.

Attitude & Behavior at Work	5	Always professional, respectful, and enthusiastic; sets a positive example.	Consistently displays professional and respectful behavior.	Generally professional, occasional lapses.	Sometimes unprofessional or disengaged.	Frequently inattentive or unprofessional.	Displays disrespectful behavior or lack of commitment.	Consistently unprofessional and disruptive.
Societal Understanding	5	Demonstrates strong awareness of societal, environmental, and ethical impacts in work.	Recognizes societal and environmental considerations frequently.	Shows some awareness, but needs prompting.	Minimal understanding; rarely applies such considerations.	Lacks awareness of broader implications.	Ignores societal or environmental impacts.	Shows no awareness or consideration for societal impacts.
Ethics	5	Always adheres to professional ethics, integrity, and honesty.	Consistently ethical with minor lapses.	Generally ethical but occasionally careless.	Shows minimal understanding of ethics.	Often careless about ethical practices.	Frequently disregards ethics.	No regard for professional ethics.
Regularity & Punctuality	5	Always punctual, never misses sessions, and is proactive.	Rarely late, attends regularly.	Occasionally late or absent with valid reasons.	Frequently late; attendance just meets requirements.	Often absent or late without justification.	Regularly late and irregular.	Extremely irregular, disregards schedules.
Attendance Record	5	100% attendance with proactive participation.	90–99% attendance, actively involved.	80–89% attendance, generally attentive.	70–79% attendance, needs reminders.	60–69% attendance, lacks engagement.	Below 60% attendance, poor participation.	Very poor attendance (<50%).
Log Book Maintenance	5	Log book is complete, detailed, neatly maintained, and verified regularly.	Log book complete with minor gaps.	Log book maintained but lacks detail or consistency.	Incomplete entries; needs faculty reminders.	Log book irregular and poorly maintained.	Few entries; lacks validation.	No log book maintained.
Internship Report	25	Comprehensive, well-structured, error-free, with analysis and references.	Well-written with minor improvements needed.	Adequate report, some sections lack depth.	Basic report; missing details or formatting issues.	Poorly written with several errors.	Incomplete report with major gaps.	No proper report submitted.
Student Feedback from External Supervisor	20	Outstanding performance; exceeds expectations in all assigned tasks.	Performs very well; meets most expectations.	Satisfactory performance with room for growth.	Meets minimum expectations but needs supervision.	Barely meets expectations.	Performs poorly; requires constant supervision.	Unacceptable performance; fails to meet basic expectations.
Total	**100**							

Table 2.2.5.4 Details of Students Participated in Industry Internship A.Y. 2024-25

Sr. No.	Name of Student	Company Name	Duration

1	Adhav Anuja Santosh	Nullclass edtech pvt ltd	8 Weeks
2	Amrutkar Shreyasi Hemant	NullClass	4 Weeks
3	Attar Farin Farooq	Passion Infotech	16 Weeks
4	Attar Farin Farooq	ShadowFox	4 Weeks
5	Balpande Arya Rajesh	DK Technos	6.3 Weeks
6	Barage Shraddha Sambhaji	Passion infotech	20 Weeks
7	Baser Tejal Vijay	Scalefull Technologies	6.3 Weeks
8	Bhaisade Durgeshwari Nilesh	Sidel India Pvt. Ltd.	12 Weeks
9	Bhosale Sukhada Anandkumar	E-learning providers	8 Weeks
10	Bhujbal Siddhi Anil	Passion Infotech	16 Weeks
11	Bhujbal Siddhi Anil	ShadowFox	4 Weeks
12	Biradar Umeshwari Rajkumar	Passion Infotech	16 Weeks
13	Boraste Jagruti Suresh	Diamond Headquarters Private limited	16 Weeks
14	Borkar Gargi Rakesh	Tata Motors Passenger Vehicle Ltd	6.3 Weeks
15	Chavare Vaishnavi Namdev	Industry Scaleful Technologies	6.3 Weeks
16	Datir Kaveri Anilkumar	Passion Infotech	4 Weeks
17	Deokar sanika Sahebrao	Nexgen and passion infotech	6.3 Weeks
18	Deshmukh shreya sanjayrao	Codetech it solutions Pvt Ltd	6.3 Weeks
19	Gawai Sarita Madan	Passion Infotech	4 Weeks
20	Gharge Dhanshree Rajendra	Wisdom sprouts	4 Weeks
21	Gharge Dhanshree Rajendra	Passion Infotech	4 Weeks
22	Ghongade Manwa Pravin	Main flow services and technologies	4 Weeks
23	Hode Sejal Sunil	NullClass Edtech Private Limited	4 Weeks
24	Jadhav Rituka Bharat	Passion Infotech	16 Weeks
25	Jadhav Vishakha Vijay	Main flow services and Technology pvt.ltd	4 Weeks
26	Sharma Janhavi Ramavtar	Web development	4 Weeks
27	Joshi Mitali Ritesh	Codsoft	4 Weeks
28	Kharat Gayatri Sanjay	NexGen Analytix	6.3 Weeks
29	Khopade Khushi Vinod	Passion Infotech	4 Weeks
30	Kshirsagar Vaishnavi Sunil	Passion infotech	4 Weeks
31	Kulkarni Rucha Prashant	Q TechSolutions	12 Weekss
32	Malti	Passion infotech	16 Weekss

33	Mhetre Prajakta Kiran	Tata Motors Passenger Vehicle Ltd	6.3 Weeks
34	More Vaishnavi Pankaj	Passion Infotech	6.3 Weeks
35	More Vaishnavi Pankaj	SkillsIT Academy	4 Weeks
36	Nanekar Dhanashri Kailas	Diamond headquarters private limited	16 Weeks
37	Bhagat Nayan Vishnu	Kasnet technologies pvt ltd	6.3 Weeks
38	Nikam Prerana Maruti	Kasnet Technologies Pvt Ltd	6.3 Weeks
39	Nipunge Tanisha Sunil	AishwaLife	4 Weeks
40	Nipunge Tanisha Sunil	Passion Infotech	4 Weeks
41	Nipunge Tanisha Sunil	Getinkvision	4 Weeks
42	Pande Ayushi Shivaji	Null Class	4 Weeks
43	Pardeshi Samiksha Parag	Pawsnme	8 Weeks
44	Patil Chetana Santosh	QTechsolutions	20 Weeks
45	Patil Ishwari Purushottam	Skills IT academy	6.3 Weeks
46	Patil Riya Shivaji	NullClass	4 Weeks
47	Patil Vaishnavi Bandu	Getinkvision	12 Weeks
48	Pawar Aditi Keshav	Codetech IT solutions	6.3 Weeks
49	Pawar Manjiri Sandip	Prodigy Infotech	4 Weeks
50	Pawar Manjiri Sandip	CodeClause	4 Weeks
51	Pawar Shruti Bhausaheb	Kasnet Technologies Pvt.Ltd	6.3 Weeks
52	Phadtare Vaishnavi Balkrishna	SkillsIT academy	4 Weeks
53	Thakor Prachi Chandradip	KASNET technology pvt. Lmt.	6.3 Weeks
54	Quadri Safa Moeiz	Mphasis	8 Weeks
55	Rokade Tejal Shridhan	Skills IT Academy	6.3 Weeks
56	Shelke Sakshi Digambar	Travifai	12 Weeks
57	Sawant srushti vyenkat	Passion infotech	4 Weeks
58	Shah Kinjal Sachin	Spcl infotech	6.3 Weeks
59	Shaikh Ayesha Bashirul Haque	ShadowFox	4 Weeks
60	Shinde Vedika Vivek	Techbuds It solutions private limited	16 Weeks
61	Shinde Yashaswini Rohit	Travifai	12 Weeks
62	Suryavanshi Siddhi Deepak	Motion Cut	4 Weeks
63	Tekade Sharayu Sanjay	FullStack Java	4 Weeks
64	Thorat Bansi Bhimraj	Passion Infotech	4 Weeks

65	Ulbhagat Akshata Arjun	Passion Infotech	4 Weeks
66	Unawane Rutika Prasad	AICTE	4 Weeks
67	Vhanzende Priti Birappa	Passion Infotech	4 Weeks
68	Virkar Trupti Rajendra	Main Flow Services and Technologies Pvt. Ltd.	4 Weeks
69	Vrindha Trakroo	null class	4 Weeks
70	Wakade Poorva Santosh	NULLCLASS	4 Weeks
71	Wattamwar Shravani Shrikishan	Passion Infotech	16 Weeks
72	Zagade Vaishnavi Balu	UBT	4 Weeks
73	Divekar Saee Uday	NULLCLASS EDTECH PRIVATE LIMITED	4 Weeks

Table 2.2.5.5 Details of Students Participated in Industry Internship A.Y. 2023-24

Sr. No.	Name of Student	Company Name	Duration
1	Arya Kesharwani	Salesforce parterned by SmartInternz	6.3 Weeks
2	Chaitali Anil Avhad	Passion Infotech	16 Weeks
3	Chaitali Anil Avhad	Motion Cut	16 Weeks
4	Bagwan Saniya Firoj	Passion Infotech	16 Weeks
5	Bagwan Saniya Firoj	Motion Cut	16 Weeks
6	Bhagat Anushka Madhukar	Bharat Intern	6.3 Weeks
7	Radhika Bhoite	Octanet	4 Weeks
8	Sanika Hanmant Bhosale	Salesforce parterned by SmartInternz	6.3 Weeks
9	Bhujbal shamal manik	KasNet Technologies Pvt Ltd	6.3 Weeks
10	Boxwala Mariyam Zoyeb	KasNet Technologies Pvt Ltd	6.3 Weeks
11	Das Mayuri Kantilal	Salesforce partnered by SmartInternz	6.3 Weeks
12	Datar Saee Shriram	GRP Technology	4 Weeks
13	Deshmukh Sakshi Santosh	KasNet Technologies Pvt Ltd	6.3 Weeks
14	Deshmukh Shruti Nilesh	Passion Infotech	16 Weeks
15	Devanshi Koushal	Passion Infotech	16 Weeks
16	Dhage Arpita Ravindra	Octanet	4 Weeks
17	Dhangare Radhika Sahebrao	KasNet Technologies	6.3 Weeks
18	Dharrao Aishwarya	KasNet Technologies	6.3 Weeks

19	Dhokate Priyanka	Passion Infotech	16 Weeks
20	Gadkari Vaishnavi Mahendra	1 stop	12 Weekss
21	Gargee Singh	Salesforce parterned by SmartInterns	6.3 Weeks
22	Girhe Komal Gorakhnath	Salesforce parterned by SmartInternz	6.3 Weeks
23	Hogale Dhanashri Sanjay	Codsoft	4 Weeks
24	Jagtap Aishwarya machindra	Cascode	4 Weeks
25	Jagtap Charul Narendra	KasNet Technologies	6.3 Weeks
26	Kadam Sharayu Ramchandra	Passion Infotech Pvt. Ltd.	16 Weeks
27	Kadam Svarupa Ramdas	Passion Infotech	16 Weeks
28	Kajave Nisha Shripat	Passion Infotech	16 Weeks
29	kakde Pragati Arvind	Salesforce parterned by SmartInterns	6.3 Weeks
30	Kamble Sambodhi Sudhir	Passion Infotech	16 Weeks
31	Karkande Rutuja Vinod	Salesforce parterned by SmartInternz	6.3 Weeks
32	kedari Gayatri Navanath	Oasis infobyte	4 Weeks
33	Aishwarya Kele	Salesforce parterned by SmartInternz	6.3 Weeks
34	Swamini khanvilkar	1 Stop	16 Weeks
35	Swamini khanvilkar	Salesforce	8 Weeks
36	Vaishali Subhash kharade	Salesforce parterned by SmartInternz	6.3 Weeks
37	Kulkarni Shreeya Bipin	Nexas info	4 Weeks
38	Shriya Lakhe	Passion Infotech	16 Weeks
39	Lakshita Panchbhai	Passion Infotech Pvt. Ltd.	16 Weeks
40	Latore Vaishnavi Ulhas	Codsoft	4 Weeks
41	Mahabudhe Gayatri Prashant	Infotrix	4 Weeks
42	Markad Reshma Ramesh	Passion Infotech	16 Weeks

43	Misal Tanuja Anil	Passion Infotech	16 Weeks
44	Srushti Mule	Onama Consultants Pvt Ltd	4 Weeks
45	Nangare Apurva Rajendra	Codsoft Java Internship	4 Weeks
46	Nigade Chaitali Rajesh	Codsoft	4 Weeks
47	Parwekar Pranjal Amol	Oasis infobyte	4 Weeks
48	Patil Pallavi Bhimrao	Passion Infotech	16 Weeks
49	Patil Prayuja Shahaji	Passion Infotech Pvt. Ltd.	16 Weeks
50	Pawar Kirti Namdeo	Passion Infotech	16 Weeks
51	Pipaliya Parnavi Jignesh	Oasis Infobyte	4 Weeks
52	Pipaliya Parnavi Jignesh	Octanet	4 Weeks
53	Pol Shreya Suresh	Passion Infotech	16 Weeks
54	Pooja Gangane	Octanet	4 Weeks
55	Pudale Manasvi Dilip	Passion Infotech	16 Weeks
56	Rajebhosale Poonam Shivaji	National Informatics Center	6.3 Weeks
57	Sakare Shreya Sachin	Octanet services	4 Weeks
58	Sakare Shruti Sachin	Octanet services	4 Weeks
59	Megha Salunke	Salesforce partnered by SmartInternz	6.3 Weeks
60	Salunkhe Mayuri Milind	Octanet Services	4 Weeks
61	Sanchita Prakash Sawai	Passion Infotech	16 Weeks
62	Sarode Akshada Bhagchand	InternPE	4 Weeks
63	Alnaaz Shaikh	OctaNet	4 Weeks
64	Sharnangat Amruta Sanjay	Codsoft	4 Weeks
65	Shelke Nikita Nitin	KasNet Technologies Pvt Ltd	6.3 Weeks
66	Mansi Gajanan Shinde	Passion Infotech	16 Weeks

67	Shitole Samruddhi Bhaskar	Passion Infotech	16 Weeks
68	Shreya Dhadse	Passion Infotech	16 Weeks
69	Sonavane Pranali Pradip	Salesforce partnered by SmartInternz	6.3 Weeks
70	Suhani Nanasaheb Havaldar	Salesforce parterned by SmartInternz	4 Weeks
71	Surdi Shruti Nitin	Passion Infotech	16 Weeks
72	Sutrave Neha Virendra	KasNet Technologies	6.3 Weeks
73	Tanuja Tanaji Rathod	kasNet Technologies	4 Weeks
74	Taral Pratiksha Vilas	Passion Infotech	16 Weeks
75	Akshada Nivrutti Thite	web development by internzvalley company	8 Weekss
76	Waghmare Shruti Sandeep	Passion Infotech	16 Weeks
77	Vaishnavi Waykaskar	Onama Consultants Pvt Ltd	4 Weeks
78	Yadav Kajal Satish	Codsoft	4 Weeks
79	Yadav Trupti Sunderbapu	Salesforce partnered by SmartInternz	6.3 Weeks

Table 2.2.5.6 List of Final Year Students completed training in A.Y. 2022-23

Sr. No.	Name of Student	Company Name	Duration
1	Agrawal Nupur Mahesh	Bharat Soft Solutions	4 Weeks
2	Auti Priyanka Shantaram	Capgemini	12 Weeks
3	Nisha Dnyaneshwar Avhad	Capgemini	12 Weeks
4	Babar Anuja Deepak	Oasis Infobytes	4 Weeks
5	Anam Wasim Bagwan	Capgemini	12 Weeks
6	Sneha Bamane	Passion Infotech	20 Weeks
7	Samiksha Mukindrao Bandgar	Capgemini	12 Weeks
8	Nikita Hemant Bankar	Oasis Infobyte	4 Weeks
9	Sharwari Bhalerao	Oasis Infobyte	4 Weeks
10	Srushti Prakash Bhoite	Passion Infotech Pvt Ltd	20 Weeks
11	Srushti Prakash Bhoite	Capgemini	12 Weeks

12	Rutika Santosh Bhosale	One Stop (Devtown Iit Deli)	4 Weeks
13	Samta Anand Bora	Oasis Infobyte	4 Weeks
14	Borate Anuja Ramhari	Oasis Infobyte	4 Weeks
15	Sanjivani Nagnath Bulbule	Capgemini	12 Weeks
16	Akansha Chandle	Oasis Infobyte	4 Weeks
17	Akansha Chandle	Lets Grow More	4 Weeks
18	Smiti Sunil Chandwadkar	Passion Infotech	20 Weeks
19	Rutuja Chatur	Seven Mentor	4 Weeks
20	Krupa Jagdish Desai	Capgemini	12 Weeks
21	Diksha Raina	Passion Infotech	20 Weeks
22	Samruddhi Vijay Divekar	Passion Infotech	20 Weeks
23	Sakshi Amol Dubbewar	Oasis Infobyte	4 Weeks
24	Prajakta Dinesh Fulpagar	Oasis Infobyte	4 Weeks
25	Gayatri Gaikwad	Capgemini	12 Weeks
26	Vrushali Uday Gaikwad	Raise Digital	4 Weeks
27	Harshada Sonawane	Capgemini	12 Weeks
28	Aditi Hulwan	Iwizdom Private Limited	4 Weeks
29	Vaishnavi Ingawale	Capgemini	12 Weeks
30	Krutika Sunil Ipar	Capgemini	12 Weeks
31	Namrata Jadhav	Capgemini	12 Weeks
32	Shraddha Ramdas Jadhav	Tcr Innovation	4 Weeks
33	Janhvi Mawal	Iwizdom Private Limited	4 Weeks
34	Utkarsha Kakde	Capgemini	4 Weeks
35	Sanika Santosh Karale	Capgemini	4 Weeks
36	Yogita Sunil Khalate	Capgemini	4 Weeks
37	Gauri Khanzode	Tcr Innovation	4 Weeks
38	Sakshi Bhagwant Korde	Passion Infotech	4 Weeks
39	Kalyani Kulkarni	Capgemini	4 Weeks
40	Rupali Kurhade	Passion Infotech Pvt Ltd	4 Weeks
41	Lad Shruti Jayant	Capgemini	4 Weeks
42	Sakshi Mahamuni	Oasis Infobytes	4 Weeks
43	Shweta Ramesh Maharanawar	One Stop (Devtown Iit Delhi)	4 Weeks

44	Tanaya Harishchandra Mane	Capgemini	4 Weeks
45	Manjramkar Vaishnavi Mahendra	Techliebe	4 Weeks
46	Gargee Mardikar	Oasis Infobyte	4 Weeks
47	Gargee Mardikar	Oasis Infobyte	4 Weeks
48	Kirti Mhaske	Passion Infotech	4 Weeks
49	Shreya Prashant Mohite	Passion Infotech	4 Weeks
50	Mulla Rajiya Chirag	Internship Studio (Twilearn)	4 Weeks
51	Shreya Navnath Nilakh	Oasis Infobyte	4 Weeks
52	Trupti Ananda Pacharne	Passion Infotake	4 Weeks
53	Samruddhi Pagar	Capgemini	4 Weeks
54	Rewa Parashar	Capgemini	12 Weeks
55	Devyani Rajendra Pathrikar	Oasis Infobyte	4 Weeks
56	Patil Shweta Anilsing	Oasis Infobyte	4 Weeks
57	Netra Patil	Passion Infotechs	4 Weeks
58	Vaishnavi Vijay Patil	Oasis Infobyte	4 Weeks
59	Pawar Jyoti Arjun	Capgemini	12 Weeks
60	Shweta Santosh Phatate	Passion Infotech	20 Weeks
61	Shweta Santosh Phatate	Suvidha Foundation	4 Weeks
62	Ghanishtha Anil Rane	Passion Infotech	4 Weeks
63	Prajwal Said	Capgemini	12 Weeks
64	Salunke Sneha Dattatray	Oasis Infobyte	4 Weeks
65	Saswati Parida	Passion Infotech	20 Weeks
66	Sayali Shelar	Passion Infotech	20 Weeks
67	Sejal Pawar	Capgemini	12 Weeks
68	Amina Khalid Shaikh	Passion Infotech Pvt. Ltd.	20 Weeks
69	Shailja Shree	Bright Career Infotech	4 Weeks
70	Shital Jadhav	Oasis Infobyte	4 Weeks
71	Shruti Mulay	Oasis Infobyte	4 Weeks
72	Sneha Anant Manchalkar	Metasapiebs.Tech	4 Weeks
73	Krishna Rajesh Soni	Edunet Foundation	4 Weeks
74	Swapnali Tawade	Oasis Infobyte	4 Weeks
75	Vaishnavi Walgude	Techliebe	4 Weeks

76	Mrunmai Avinash Watane	Passion Infotech	4 Weeks

Table 2.2.5.7 List of Final Year Students completed training in A.Y. 2021-22

Sr. No.	Name of Student	Company Name	Duration
1	Dhanawade Isha Anirudha	The Sparks Foundation	4 Weeks
2	Dsouza Simran Sallu	The Sparks Foundation	4 Weeks
3	Takalkar Aditi Ananta	The Sparks Foundation	4 Weeks
4	Vidhi Jain	Lets Grow More	4 Weeks
5	Sharayu Bhandekar	Aj Builders Pvt Ltd .	4 Weeks
6	Manali Ramesh Chavan	The Sparks Foundation	4 Weeks
7	Sonal Garje	The Sparks Foundation	4 Weeks
8	Andhale Dnyaneshwari	The Sparks Foundation	4 Weeks
9	Aishwarya Gaikwad	Lets Grow More	4 Weeks
10	Priti Karanjekar	Lets Grow More	4 Weeks
11	Srushti Mane	Brain O Vision Pvt. Ltd	4 Weeks
12	Ashwini Bansode	Lets Grow More	4 Weeks
13	Sapana Gonarkar	The Spark Foundation	4 Weeks
14	Garima Gupta	LetS Grow More	4 Weeks
15	Ishika Gupta	Technocraft Industries Tube Division	4 Weeks
16	Bangar Sakshi Rajesh	Twowaits Technologies Pvt Ltd.	4 Weeks
17	Shruti Avinash Mane	Lets Grow More	4 Weeks
18	Modhave Tejal Anil	Lets Grow More	4 Weeks
19	Sanskruti Nitin Wankhede	The Sparks Foundation	4 Weeks
20	Bhakti Shashikant Sawant	LetS Grow More	4 Weeks
21	Prachi Deepak Bhujbal	The Sparks Foundation	4 Weeks
22	Madhavi Vikas Ingale	The Sparks Foundation	4 Weeks
23	Kshitija Somnath Nibe	LetS Grow More	4 Weeks
24	Aachal Anand Bhatt	The Sparks Foundation	4 Weeks
25	Simantini Manojkumar Bhosale	Sapours Technologies Pvt Ltd	4 Weeks
26	Kshitija Satish Patankar	Lets Grow More	4 Weeks
27	Alfija Faruk Sayyad	Lets Grow More	4 Weeks
28	Sneha Birajdar	Lets Grow More	4 Weeks

29	Priyanka Jadhav	The Sparks Foundation	4 Weeks
30	Komal Patil	Lets Grow More	4 Weeks
31	Ishwari Shelke	Twowaits Technologies	4 Weeks
32	Pranjal Chaudhari	Lets Grow More	4 Weeks
33	Rutuja Kale	Lets Grow More	4 Weeks
34	Akanksha Patil	The Sparks Foundation	4 Weeks
35	Aditi Shinde	Let’s Grow More	4 Weeks
36	Choudhari Shraddha	Let’s Grow More	4 Weeks
37	Ghadle Rutuja	Let’s Grow More	4 Weeks
38	Koradkar Priyanka	Let’s Grow More	4 Weeks
39	Pawar Laxmi	Let’s Grow More	4 Weeks
40	Gavali snehal	Let’s Grow More	4 Weeks
41	Rupali Dakore	Oasis Infobyte	4 Weeks
42	Sakshi Kolte	Oasis Infobyte	4 Weeks
43	Pragati Bhakkad	LetS Grow More	4 Weeks
44	Shambhavi Swami	LetS Grow More	4 Weeks
45	Suraksha Vilas Dhaske	LetS Grow More	4 Weeks
46	Avantika Ram Ladwane	LetS Grow More	4 Weeks
47	Laxmi Lobha Rathod	The Sparks Foundation	4 Weeks
48	Dipali Sandipan Ugalmugale	LetS Grow More	4 Weeks
49	Dhumal Pooja Shivaji	The Sparks Foundation	4 Weeks
50	Jagdhane Urmila Hari	The Sparks Foundation	4 Weeks
51	Khaire Mrunmayee Deepak	Lets Grow More	4 Weeks
52	Makhi Mansi Vinayak	Lets Grow More	4 Weeks
53	Vaishnavi Baburao Gahin	Stige	4 Weeks
54	Manisha Chhagan Khajure	Vspace Softwares	4 Weeks
55	Shraddha Dattatray Lokhande	Learnovate	4 Weeks
56	Ishita Pradip Zambare	Pantech E Learning	4 Weeks
57	Gawas Vaibhavi	Twowaits Technologies	4 Weeks
58	Patange Sakshi Santosh	Innoventry Software Pvt Ltd	4 Weeks
59	Pathade Vaishnavi Rajesh	The Tathastu Foundation	4 Weeks
60	Potre Manasi Suresh	Lets Grow More	4 Weeks

61	Pradnya Ghadge	Twowaits Technologies Pvt Ltd.	4 Weeks
62	Rohini Margane	Lets Grow More	4 Weeks
63	Grunthali Tulaskar	The Sparks Foundation	4 Weeks
64	Prishita Yadav	The Sparks Foundation	4 Weeks
65	Akanksha Ghule	The Sparks Foundation	4 Weeks
66	Sanika Sarwadnya	The Sparks Foundation	4 Weeks
67	Sayyed Aysha Nadeem	LetS Grow More	4 Weeks
68	Priti Shinde	The Sparks Foundation	4 Weeks
69	Isha Mishra	Direction Educare	4 Weeks
70	Manavi Kamble	The Sparks Foundation	4 Weeks
71	Prajakta Thorat	Technex Iit Bhu Varanasi	4 Weeks
72	Dhanashree vaidya	The Sparks Foundation	4 Weeks
73	Manjiri Ramakant Kshatriya	Tathastu Scholar Group	4 Weeks
74	Patil Janhavi Satish	The Sparks Foundation	4 Weeks
75	Rai Mandira Adesh	The Sparks Foundation	4 Weeks
76	Rawas Rutuja Nitin	Twowaits Technology Pvt Ltd	4 Weeks
77	Shreya Mahajan	The Sparks Foundation	4 Weeks
78	Sanskruti Patel	The Sparks Foundation	4 Weeks
79	Sonakshi Shende	The Sparks Foundation	4 Weeks
80	Tasneem Shaikh	One Stop	4 Weeks
81	Bhagyashari Pawar	The Sparks Foundation	4 Weeks

- The following table shows the list of final year students who have opted for industrial training where they have been placed.

Table 2.2.5.8 List of Final Year Students completed training in A.Y. 2024-25

Sr. No.	Name of the Student	Name of the Industry	Duration (More than 2 weeks)
1	Suhani N Havaldar	Atlas Copco Gecia	20 Weeks(6/1/2025-31/05/2025)
2	Saee S Datar	Atlas Copco Gecia	20 Weeks(6/1/2025-31/05/2025)
3	Mayuri Milind Salunkhe	Atlas Copco GECIA	20 Weeks(6/1/2025-31/05/2025)

4	Radhika Sahebrao Dhangare	Atlas Copco GECIA	20 Weeks(6/1/2025-31/05/2025)
5	Srushti Jinchandra Mule	Atlas Copco GECIA	20 Weeks(6/1/2025-31/05/2025)
6	Chaitali Rajesh Nigade	Atlas Copco GECIA	20 Weeks(6/1/2025-31/05/2025)
7	Bhagat Anushka Madhukar	Atlas Copco GECIA	20 Weeks(6/1/2025-31/05/2025)
8	Pol Shreya Suresh	Digital Parker	20 Weeks(6/1/2025-4/7/2025)
9	Shruti Deshmukh	Amdocs	16 Weeks(13/02/2025-13/06/2025)
10	Apurva Nangare	Amdocs	20 Weeks(13/02/2025-13/06/2025)

Table 2.2.5.9 List of Final Year Students completed training in A.Y. 2023-24

Sr. No.	Name of the Student	Name of the Industry	Duration (More than 2 weeks)
1	Nanwani Ruchika Nilesh	Parker Global Technologies Pvt. Ltd.	20 Weeks(29/01/2024-29/07/2024)
2	Bhoite Srushti Prakash	Parker Global Technologies Pvt. Ltd.	20 Weeks(29/01/2024-29/07/2024)
3	Parashar Rewa Mandar	Parker Global Technologies Pvt. Ltd.	20 Weeks(29/01/2024-29/07/2024)
4	Agrawal Nupur Mahesh	Parker Global Technologies Pvt. Ltd.	20 Weeks(29/01/2024-29/07/2024)
5	Karale Sanika Santosh	Covie Ventures Pvt. Ltd., Pune	12 Weeks(29/01/2024-29/04/2024)
6	Pacharne Trupti Ananda	Predikly	12 Weeks(11/12/2023-11/2/24)

Table 2.2.5.10 List of Final Year Students completed training in A.Y. 2022-23

Sr. No.	Name of Student	Company Name	Duration
1	Pradnya Ghadge	DHPL	4-20 Weeks

2	Pranjal Chaudhari	TCS	16 Weeks
3	Shraddha Lokhande	NielsenIQ	12 Weeks
4	Gupta Garima Vedprakash	NielsenIQ	12 Weeks
5	Patil Janhavi Satish	NielsenIQ	12 Weeks
6	Patil Komal Anil	NielsenIQ	12 Weeks
7	Sayyed Aysha Nadeem	NielsenIQ	12 Weeks
8	Gawas Vaibhavi Deepak	Cimpress	20 Weeks
9	Pathade Vaishnavi Rajesh	Cimpress	20 Weeks
10	Shinde Aditi Vijay	Amdocs	12 Weeks
11	Patil Akanksha Ajit	Amdocs	12 Weeks
12	Ghadle Rutuja Rajkumar	Persistent	16 Weeks
13	Ladwane Avantika Ram	Persistent	16 Weeks
14	Zambare Ishita Pradip	Persistent	16 Weeks

Table 2.2.5.11 List of Final Year Students completed training in A.Y. 2021-22

Sr. No.	Name of the Student	Name of the Industry	Duration (More than 2 weeks)
1	Yutika Kiran Vora	Einfochips Pvt. Ltd	20 Weeks (10 January 2022- 10 July 2022)
2	Kathy Raina	Wipro	8 Weeks (21/02/22 - 30/04/22)
3	Shaurya Raina	Redwood Algorithms	16 Weeks (Jan 2022 - April 2022)
4	Rohini Vijay Ithape	Wipro	8 Weeks (21 Feb 2022 - 30 April 2022)
5	Sudhisha Subodh Zare	Capgemini	8 Weeks (March - May)
6	Manisha Ganesh Lakhe	Capgemini	8 Weeks (28th Feb - 20th May)
7	Krupali Rajendra Bhoir	Capgemini	12 Weeks (28th Feb - 20th May)

8	Sanyukta Sanjayrao Deshmukh	Capgemini	12 Weeks (28th Feb - 20th May)
9	Aayushka Vilas Zunjur	Capgemini	12 Weeks (28th Feb - 20th May)
10	Garima Srivastav	Persistent Systems	20 Weeks (April-September)
11	Sanjana Arvind Aher	Einfochips Pvt. Ltd	20 Weeks(10 january 2022 - 10 july 2022)
12	Varsha Haibat Dhope	Capgemini	8 Weeks (28th Feb - 20th May)
13	Bhagyashri Janardan Bavkar	Wipro	8 Weeks (7 March- May)
14	Pranjal Shaligram Patil	Capgemini	12 Weeks (March - May)
15	Pranali Pandit Jamdade	Capgemini	12 Weeks(March 2022 -May 2022)
16	Swamini Deepak Sontakke	Capgemini	12 Weeks(4th February-28th April)
17	Rajeshwari Subhash Chillarge	Capgemini	12 Weeks(28th February-21st May)
18	Pratiksha Balasaheb khaire	Cyber Success	3Months(10March-June)
19	Prachi Chidanand Kaladeep	Wipro	8 Weeks(7 March - May)
20	Priyanka Dilip Dhasade	Einfochips pvt.Ldt	20 Weeks (10 Jan 2022-10 July 2022)
21	Kirti Bajirao Salunkhe	Persistent System	20 Weeks (April-September)
22	Rutuja Ravindra Konde	Persistent system	20 Weeks (April-September)
23	Nisha Laxman Rathod	Linckcodes Technology	20 Weeks(December 21 - May 22)
24	Kanchan Sanjay Wagh	Wipro	8 Weeks (7 March - May)
25	Sakshi Ankush Berad	Wipro	8 Weeks (March - May)
26	Janhavi Prabhakar More	Wipro	8 Weeks (7March-May)
27	Ranu Kumari	Capgemini	8 Weeks (March - May)
28	Kajol Pawar	Capgemini	8 Weeks (March - May)
29	Divya Maruti Varpe	Wipro	8 Weeks(7 March- May)
30	Swapnali Devidas Shipankar	Wipro	8 Weeks (21 Feb 2022 - 30 April 2022)
31	Apurva surendra Dahiphalkar	L&T technology	12 Weeks(3 march 2022-31 may 2022)
32	Neha Devanand Pandhare	L&T Technology services	12 Weeks(3 March 2022 - 31 may 2022)

33	Tanavi Sanjay Kathed	BrightChamps tech Private limited	8 months (aug 2021- 31 May 2022)
34	Harshita Garge	Vodafone	12 Weeks (7 March 2022 - 31 may 2022)
35	Aishwarya Dilip More	L&T Technology services	12 Weeks (3 march 2022-31 may 2022)
36	Gayatri shrinivas gadas	Wipro	8 Weeks (March-May)

C. Impact analysis of industrial training :

Internship helped students in various aspects such as:

- Training helped students get recruited in IT-based companies by making them industry-ready.
- Students gained valuable insights into industry practices and workplace culture, bridging the gap between academics and real-world applications.
- Training enabled students to align their skills and knowledge with the needs of the industry.
- Participation fostered essential soft skills such as teamwork, communication, and leadership.
- Students were exposed to a broader range of companies and roles, which enhanced their adaptability and career prospects.

Table 2.2.5.12 Impact analysis of industrial training (Zensar Technologies, Pune Training)

Sr. No	Year of conduction	No of shortlisted Students for Zensar Training	No of Students Placed
1	2021-22	39	20
2	2022-23	71	33
3	2023-24	33	13

D. Student feedback on initiative :

Feedback Collection:

After each internship or training program, structured feedback is obtained from:

- Participating students (interns)
- Internship/training providers or resource persons

Purpose of Feedback:

- To assess the quality and effectiveness of the internship/training
- To identify areas of improvement in both **technical** and **soft skills**

Action Taken Based on Feedback:

- Analysis of feedback highlighted the need for enhancement in **technical competencies** and **communication/aptitude skills**
- In response, initiatives such as the **Zensar ESD Training Program** were conducted, covering:
    - Aptitude development
    - Soft skills enhancement

- Technical training in **PL/SQL**

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (120)

Total Marks 117.00

Define the Program specific outcomes

3.1 Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) (20)

Total Marks 20.00

:

PSO1	Graduates will possess knowledge of IT infrastructure, data management systems, networking, and security.
PSO2	Graduates will be able to understand and apply algorithmic techniques and programming skills for providing software solutions in the IT industry.
PSO3	Graduates will be capable of acquiring and demonstrating technical competencies in emerging technologies of Information Technology

3.1.1 Course Outcomes(COs)(SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) (5)

Institute Marks : 5.00

Note : Number of Outcomes for a Course is expected to be around 6.

Course Name :	C2 04	Course Year :	2021-22

Course Name	Statements
C2 04.1	Describe the basic concepts of object-oriented programming.
C2 04.2	Write simple programs using classes, objects, and methods.
C2 04.3	Implement constructors and destructors to manage object initialization.
C2 04.4	Demonstrate the use of inheritance and polymorphism to promote code reuse and dynamic behavior in programs.
C2 04.5	Apply exception handling and use generic programming features like collections
C2 04.6	Perform file operations and explain simple design patterns.

Course Name :	C2 14	Course Year :	2021-22

Course Name	Statements
C2 14.1	Apply mathematical and logical aspects for developing elementary graphics operations like scan conversion of points, lines, circle, and apply it for problem solving.
C2 14.2	Write procedures for polygon filling and employ techniques of geometrical transforms to position and manipulate objects in 2 dimensional space.
C2 14.3	Describe mapping from a world coordinates to device coordinates, manipulate objects in 3D space applying transformations and applying clipping techniques for problem solving, and understand concept of projections in order to produce 3D images on 2D output device.
C2 14.4	Understand the concepts of segments, illumination models, color models, shading algorithms.
C2 14.5	Apply mathematical and logical aspects for drawing curves, study fractal generation methods and steps to generate animation sequence.
C2 14.6	Perceive the concepts of virtual reality.

Course Name :	C3 02	Course Year :	2022-23

Course Name	Statements
C3 02.1	Understand the role of Modern Operating Systems
C3 02.2	Apply the concepts of process and thread scheduling
C3 02.3	Apply the concept of process synchronization, mutual exclusion and the deadlock
C3 02.4	Understand and apply the concepts of various memory management techniques
C3 02.5	Make use of concept of I/O management and File system
C3 02.6	Understand Important of System software

Course Name :	C3 14	Course Year :	2022-23

Course Name	Statements
C3 14.1	Understand AI fundamentals, intelligent agents, and basic statistical methods such as correlation and probability.
C3 14.2	Apply heuristic and constraint-based search techniques for AI problem-solving
C3 14.3	Represent knowledge and perform reasoning using logic, semantic nets, and probabilistic methods
C3 14.4	Analyze and implement NLP techniques such as parsing, semantic analysis, and language models
C3 14.5	Implement AI planning and game strategies using minimax, alpha-beta pruning, and goal-based planning
C3 14.6	Explore deep learning and real-world AI applications in robotics, IoT, and computer vision

Course Name :	C4 01	Course Year :	2023-24

Course Name	Statements
C4 01.1	Understand the concept of Information retrieval and to apply clustering in information retrieval.
C4 01.2	Use an indexing approach for retrieval of text and multimedia data.
C4 01.3	Evaluate performance of information retrieval systems.
C4 01.4	Apply the concepts of multimedia and distributed information retrieval.
C4 01.5	Use appropriate tools in analyzing the web information
C4 01.6	Simulate the working of a search engine and recommender system

Course Name :	C4 10	Course Year :	2023-24

Course Name	Statements
C4 10.1	Explain the fundamental concepts and characteristics of distributed systems
C4 10.2	Understand the concept of middleware of distributed systems.
C4 10.3	Discuss Inter-process communication methods and analyze different coordination algorithms.
C4 10.4	Comprehend the importance of replication to achieve fault tolerance in distributed systems.
C4 10.5	Analyze the design and functioning of existing distributed file systems, distributed multimedia, and distributed web-based systems.
C4 10.6	Understand various Recent Trends in distributed systems.

3.1.2 CO-POmatrices of courses selected in 3.1.1(Six matrices to be mentioned; one per semester from 3rd to 8th semester) (5) Institute Marks : 5.00

1 . course name : C204

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C204.1	1	1	1	-	-	-	-	-	-	1	-	-
C204.2	1	1	1	-	1	-	-	-	-	1	-	-
C204.3	1	1	-	-	1	-	-	-	-	1	-	-
C204.4	1	1	-	-	1	-	-	-	-	1	-	-
C204.5	1	1	-	-	1	-	-	-	-	1	-	-
C204.6	1	2	2	-	1	-	-	-	-	1	-	1
Average	**1.00**	**1.17**	**1.34**	**0.00**	**1.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.00**	**0.00**	**1.00**

2 . course name : C214

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C214.1	2	2	-	-	1	-	-	-	-	1	-	-
C214.2	2	2	-	-	-	-	-	-	-	1	-	-
C214.3	2	2	-	-	-	-	-	-	-	1	-	-
C214.4	3	2	-	-	-	-	-	-	-	1	-	-
C214.5	2	2	-	-	-	-	-	-	-	1	-	1
C214.6	2	-	-	-	-	-	-	-	-	1	-	1
Average	**2.17**	**2.00**	**0.00**	**0.00**	**1.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.00**	**0.00**	**1.00**

3 . course name : C302

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C302.1	2	-	-	2	3	-	-	-	3	3	-	3
C302.2	2	3	3	2	3	-	-	-	3	3	-	2
C302.3	2	3	3	2	3	-	-	-	3	3	-	2
C302.4	2	3	3	2	3	-	-	-	3	3	-	2
C302.5	2	2	3	2	3	-	-	-	3	3	-	2
C302.6	2	-	3	2	3	3	-	3	3	3	-	2
Average	**2.00**	**2.75**	**3.00**	**2.00**	**3.00**	**3.00**	**0.00**	**3.00**	**3.00**	**3.00**	**0.00**	**2.17**

4 . course name : C314

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C314.1	3	2	-	-	-	-	-	-	-	1	-	2
C314.2	3	3	2	2	-	-	-	-	-	1	-	-
C314.3	3	3	2	2	2	-	-	-	-	2	-	-
C314.4	3	-	2	-	3	-	-	-	-	1	-	2
C314.5	3	-	3	-	2	-	-	-	-	1	-	-
C314.6	3	-	-	-	3	2	-	-	-	2	-	3
Average	**3.00**	**2.66**	**2.25**	**2.00**	**2.50**	**2.00**	**0.00**	**0.00**	**0.00**	**1.33**	**0.00**	**2.33**

5 . course name : C401

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C401.1	2	2	3	2	-	-	-	-	-	1	-	-
C401.2	2	3	3	2	-	-	-	-	-	1	-	-
C401.3	2	3	3	2	-	-	-	-	-	2	-	-
C401.4	2	2	3	2	-	-	-	-	-	1	-	-
C401.5	2	3	1	-	-	-	-	-	-	1	-	-
C401.6	2	1	1	-	-	-	-	-	-	2	-	-
Average	**2.00**	**2.34**	**2.34**	**2.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.34**	**0.00**	**0.00**

6 . course name : C410

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C410.1	2	2	1	1	-	-	-	-	-	1	-	-
C410.2	2	2	2	1	-	-	-	-	-	1	-	-
C410.3	2	3	2	-	-	-	-	-	-	2	-	-
C410.4	2	3	2	-	-	-	-	-	-	1	-	-
C410.5	2	2	2	2	-	-	-	-	-	1	-	-
C410.6	2	2	-	2	-	-	-	-	-	2	-	-
Average	**2.00**	**2.34**	**1.80**	**1.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.34**	**0.00**	**0.00**

1 . Course Name : C204

Course	PSO1	PSO2	PSO3
C204.1	-	1	-
C204.2	-	1	-
C204.3	-	1	-
C204.4	-	1	1
C204.5	-	1	1
C204.6	-	-	1
Average	**0.00**	**1.00**	**1.00**

2 . Course Name : C214

Course	PSO1	PSO2	PSO3
C214.1	-	1	-
C214.2	-	1	-
C214.3	-	1	-
C214.4	-	1	-
C214.5	-	1	-
C214.6	-	-	1
Average	**0.00**	**1.00**	**1.00**

3 . Course Name : C302

Course	PSO1	PSO2	PSO3
C302.1	1	1	1
C302.2	-	3	-
C302.3	-	3	-
C302.4	-	3	-
C302.5	-	3	-
C302.6	2	2	1
Average	**1.50**	**2.50**	**1.00**

4 . Course Name : C314

Course	PSO1	PSO2	PSO3
C314.1	1	3	2
C314.2	1	3	3
C314.3	1	3	3
C314.4	1	3	3
C314.5	1	3	3
C314.6	1	3	3
Average	**1.00**	**3.00**	**2.84**

5 . Course Name : C401

Course	PSO1	PSO2	PSO3
C401.1	2	2	-
C401.2	2	2	-
C401.3	2	1	-
C401.4	2	2	-
C401.5	2	2	-
C401.6	1	1	-
Average	**1.84**	**1.67**	**0.00**

6 . Course Name : C410

Course	PSO1	PSO2	PSO3
C410.1	2	-	2
C410.2	2	-	2
C410.3	2	2	2
C410.4	2	2	2
C410.5	2	-	2
C410.6	2	-	2
Average	**2.00**	**2.00**	**2.00**

3.1.3 - A Program level Course-PO matrix of all courses INCLUDING first year courses (10)

Institute Marks : 10.00

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C1101	3	3	PO3	2	2	PO6	PO7	PO8	PO9	1	PO11	1
C1102P	3	2	2	3	2.4	PO6	PO7	PO8	3	2	PO11	2
C1102C	3	2.5	1.8	PO4	1.7	3	1.5	PO8	1.8	2	PO11	1
C1103	3	2.33	1.6	1.2	1	2	1.8	PO8	PO9	1	PO11	1
C1104EE	2.67	2	2	2	PO5	2	PO7	PO8	1	1	PO11	1.5
C1104EX	3	1.83	1.67	PO4	1.5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C1105P	2	2	1.8	2	2	PO6	PO7	PO8	1.25	2	PO11	2
C1105E	3	3	1.67	1	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C1201	3	3	PO3	2	2	PO6	PO7	PO8	PO9	1	PO11	1
C1205	3.0	2.0	1.5	PO4	2.17	1.33	PO7	PO8	PO9	1.67	PO11	PO12
C1106	3	1	3	PO4	PO5	3	PO7	1	2	PO10	PO11	2
C1206	3	2	2.75	2.75	2.75	2.25	2.25	2.25	3	2.5	2.25	3
C201	2	3	2	PO4	PO5	PO6	PO7	PO8	PO9	1.34	PO11	PO12
C202	1.17	1	1	PO4	PO5	PO6	PO7	PO8	PO9	1	PO11	PO12
C203	2	1.84	2.17	PO4	PO5	PO6	PO7	PO8	PO9	1.34	PO11	1
C204	1	1.17	1.34	PO4	1	PO6	PO7	PO8	PO9	1	PO11	1
C205	2	2.5	2	PO4	PO5	PO6	PO7	PO8	PO9	1.34	PO11	PO12
C206	2	1	1	1	1	PO6	PO7	1	PO9	1	PO11	PO12
C207	2	2	2	PO4	PO5	PO6	PO7	1	PO9	2	PO11	1
C208	1	1.17	1.34	PO4	1	PO6	PO7	PO8	PO9	1	PO11	1
C209	PO1	PO2	PO3	PO4	PO5	PO6	PO7	1.5	2	2.16	PO11	2
C211	2	1.75	1.5	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C212	1.5	1.34	1.5	1	1	2	1	1	PO9	1.34	PO11	1
C213	1.5	1.6	1.6	2	1	PO6	PO7	1	PO9	1.4	PO11	2
C214	2.17	2	PO3	PO4	1	PO6	PO7	PO8	PO9	1	PO11	1
C215	1	2	1.6	1	1.25	PO6	PO7	PO8	PO9	1.5	2	PO12
C216	1.34	1	1	1	1	1	1	1	PO9	1	PO11	1.5
C217	1.84	2.4	2.2	1	1	1	1	1.4	1.67	1.8	1	2.5

C218	2	2	2	PO4	1	PO6	PO7	1	PO9	2	PO11	1
C219	2	2	1.5	1	1	1	1	1	2	1	1	1.75
C301	2	2	1	2	1	PO6	PO7	PO8	1	1.34	PO11	1
C302	2	2.75	3	2	3	3	PO7	3	3	3	PO11	2.17
C303	2	1.5	1	1.67	1.17	PO6	PO7	1	PO9	3	PO11	1
C304	2	2.34	2.34	1.67	1.67	1.4	2	PO8	PO9	2	PO11	2
C305	2	1.67	2	PO4	1	2	PO7	1	PO9	1	PO11	2
C306	2	2.75	3	2	2.8	PO6	PO7	1	2	3	PO11	2.2
C307	2	2	2	2	3	2	1.5	3	PO9	2	PO11	3
C308	2.25	2.17	2.29	1.75	1.71	1.75	1	1.86	1.38	1.38	1	2.5
C309	3	3	3	2	3	3	3	3	3	3	2.34	2.5
C311	2	2.67	2	2	2.17	2.6	PO7	PO8	1	1.25	PO11	1
C312	2.17	2.67	2.34	2	2.5	2	1.17	PO8	1	1.2	1	1
C313	2	2.84	2.67	1.84	1	3	1.5	1	PO9	2	PO11	3
C314	3.00	2.66	2.25	2.00	2.5	2.00	PO7	PO8	PO9	1.33	PO11	2.33
C315	2.17	2.67	2	1.84	3	PO6	1.5	1.5	3	3	2	3
C316	1.75	2.25	2.5	2.25	1.75	1.75	1	2.5	1.75	2	PO11	2
C317	2.08	2.63	2.23	1.91	1	1	1	1	1	1	1	1
C318	2	2	2	2.28	1.71	1.71	3	2	2.71	2	PO11	3
C401	2	2.34	2.34	2	PO5	PO6	PO7	PO8	PO9	1.34	PO11	PO12
C402	2.17	2.67	2	1.84	3	2.5	2	PO8	2.34	1.67	1	3
C403	2	3	3	2	PO5	PO6	PO7	PO8	PO9	1.34	PO11	PO12
C404	2	1	2	PO4	PO5	PO6	PO7	PO8	PO9	1.34	PO11	PO12
C405	1.17	1.84	1.5	1.67	1.67	1.6	2	1.25	2	1	1.5	1
C406	2.34	2.17	1.33	2.17	1.67	1.67	3	2	3	1.84	PO11	3
C407	1.75	2.34	2.34	2	2.25	PO6	PO7	1	PO9	3	PO11	PO12
C408	2.5	2.84	3	2.84	3	3	1	2	3	3	3	3
C410	2	2.34	1.8	1.5	PO5	PO6	PO7	PO8	PO9	1.34	PO11	PO12
C411	1	1	1	PO4	1	PO6	PO7	PO8	PO9	1	PO11	PO12
C412	1.17	PO2	1	PO4	PO5	PO6	PO7	PO8	PO9	1	PO11	1

C413	2	2.84	3	2	3	3	3	3	3	2	3	3
C414	2	2	2	2	2	PO6	PO7	1.33	3	3	PO11	PO12
C415	1	PO2	PO3	1	1	PO6	PO7	PO8	PO9	1	PO11	1
C416	2.17	2.67	2	2.84	3	3	1.5	1.5	3	3	3	3

3.1.3 - B Program level Course-PSO matrix of all courses INCLUDING first year courses :

Course	PSO1	PSO2	PSO3
C201	PSO1	1	PSO3
C202	1	PSO2	PSO3
C203	PSO1	1.5	PSO3
C204	PSO1	1	1
C205	2	2	1.5
C206	1	1	1
C207	PSO1	1.8	PSO3
C208	PSO1	1	1
C209	PSO1	PSO2	PSO3
C211	PSO1	PSO2	PSO3
C212	1	2	1
C213	1.5	1.67	1.34
C214	PSO1	1	1
C215	1	1	PSO3
C216	1	1.2	1.2
C217	1.84	2.25	1.34
C218	PSO1	2	PSO3
C219	1.67	1.67	2
C301	1	1.67	1
C302	1.5	2.5	1
C303	1.83	1.67	2
C304	1.34	1	1.34
C305	2.5	2	2.34
C306	1	2	PSO3

C307	1	1	1.67
C308	1.63	1.5	2
C309	3	3	3
C311	1.84	2	2.2
C312	1.84	1.84	1.17
C313	1	1.5	1.17
C314	1	3	2.84
C315	3	3	2.84
C316	1.75	1.75	2.25
C317	2	1.5	1
C318	1.28	1.71	2.28
C401	1.84	1.67	PSO3
C402	1.84	3	2.84
C403	PSO1	2	2
C404	1.84	PSO2	2
C405	1	2	1.5
C406	2.17	1.84	2
C407	PSO1	1.67	1.75
C408	3	3	3
C410	2	2	2
C411	1	1	1
C412	1	PSO2	1.8
C413	2.34	1.84	2.5
C414	2	2.5	2
C415	PSO1	PSO2	2
C416	3	3	3

3.2 Attainment of Course Outcomes (50) Total Marks 48.00

3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)

Institute Marks : 9.00

A. List of assessment process

Process Details:

Assessment of Course Outcomes (COs): Assessing course outcomes is an important part of evaluating the effectiveness of a course and determining whether it has achieved its intended goals.

This process is carried out using following steps:

1. Define the Course Outcomes: The initial step is to clearly outline the course outcomes by identifying the specific knowledge, skills, and competencies students are expected to develop by the end of the course. The course is usually structured into six units, and for each unit, the course teacher defines CO, referencing the COs specified in the university syllabus at the start of the semester.

2. Use Assessment Tools: The evaluation assessment tools such as Unit Tests, Assignment Orals, Laboratory Assignments are planned in Academic Calendar by Internal Quality Assurance Cell at the start of the semester to effectively measure students' performance of those outcomes. The course teacher in alignment with the specified course outcomes evaluates different cognitive levels as outlined in Bloom's Taxonomy. This includes evaluating unit test answer sheets and conducting assignment orals, evaluating lab experiments, internships, seminars, and projects.

3. Prepare Attainment Sheet: Once data has been collected, the attainment sheet is prepared to find Course Outcome Attainment. It is used to determine how well students have achieved the Course Outcomes.

4. Implement data-driven improvements to the course: Finally, analysis highlights specific areas where the course contents, instructional methods, or assessment strategies may need improvement. This analysis informs evidence-based decisions for preparing action plan to enhance student learning outcomes.

B.The quality/relevance of assessment processes and tools used

Evaluation of COs of all courses is measured using the Direct Assessment Method.

Direct Assessment Method: Direct Assessment Method is used to evaluate, measure, and document students' learning progress, skills, knowledge, or performance about the intended course outcomes of a particular course.

The assessment of COs includes internal examination, and external University examination assessments. Internal examination assessments contribute 20%, and external University examination assessments contribute 80% in the overall evaluation of COs.

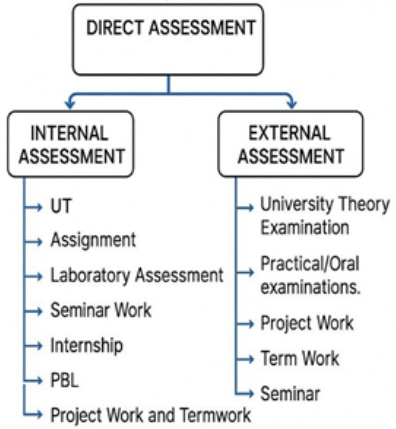

Figure 3.2.1.1 CO Attainment Tools

Theory:

Internal Examination Assessment: To make sure that students are keeping up with the course content, internal unit tests and assignment oral are used as effective measures of their progress. The course is usually divided into six units (as per the University syllabus), each of which is evaluated through a corresponding unit test or assignment oral. The questions in these assessments are designed in accordance with Blooms Taxonomy and are mapped to the specific Course Outcomes (COs) of the course. The Course Teacher sets a target level for COs, considering the performance of current year, against which the students performance is evaluated.

Internal Assessment performance is calculated based on the marks scored by the student in Unit Test-I (30 marks), Unit Test-II (40 marks), and Assignment Oral 1 (15 marks) and 2 (15 marks). The COs are distributed as shown in Table 3.2.1.1.

Table 3.2.1.1 Distribution % of COs of Theory for Internal Assessment

Assessment Type	CO1	CO2	CO3	CO4	CO5	CO6
Unit Test - I	15%	15%				

Unit Test - II				20%	20%	
Assignment Oral I			15%			
Assignment Oral II						15%

External Assessment:

University Examination: The university conducts both in-semester and end-semester examinations to evaluate students understanding of the course content. The in-semester examination covers two units of the course and assesses two specific Course Outcomes (COs), while the end-semester examination covers the remaining 4 units and evaluates all 4 remaining COs. These examinations are designed to test students knowledge and comprehension of the course contents, as well as their ability to apply that knowledge.

Theory Course Performance – University Assessment

The University Examination scheme has two examinations, an In-semester examination for 30 marks and an End-semester examination for 70 marks. All the COs are distributed as shown in Table 3.2.1.2

Table 3.2.1.2 Distribution of COs for University Theory Exam

Assessment Type	CO1	CO2	CO3	CO4	CO5	CO6
University Theory In-Semester Exam	15%	15%				
University Theory End Semester Exam			18%	17%	18%	17%

2. Practical/Lab Assignment:

Internal Assessment: Lab practice courses provide students with valuable hands-on experience, allowing them to apply theoretical concepts and develop the practical skills essential for success in the field of IT Industry. To assess students performance in these practical aspects of the course, a Continuous Assessment Sheet in the Academic Record Book is used. This sheet evaluates several parameters, including timely submission (4 marks), presentation (6 marks), understanding, and overall performance (15 marks) for each practical/laboratory assignment. By implementing the Continuous Assessment Sheet, the course teacher can monitor students progress and provide constructive feedback to enhance their skills and understanding of lab assignments during Midterm Submission and Final Submission as per the schedule in the Academic Calendar.

External Assessment: Practical courses include end-semester examination, which may take the form of term work, oral examination, or practical examination. Term work evaluation is based on the students performance in each lab assignment. The Term work marks are verified by the Head of Department. Oral and Practical evaluation is conducted by both an external examiner and an internal examiner to ensure that the assessment is fair and objective. Through this examination, students are tested on their ability to apply the knowledge and skills they have acquired throughout the course to practical scenarios.

3. Seminar Work

The seminar work in the 5th semester plays a crucial role in enhancing the technical knowledge, communication skills, and readiness for professional challenges. A Seminar Coordinator is appointed to oversee the process, ensuring students choose advanced and relevant topics in Information Technology. Each group is assigned a faculty guide for regular interaction, and presentations are evaluated by both the guide and a faculty member from the department as an external examiner. The coordinator compiles evaluation data and performs CO attainment analysis.

The following performance parameters are used for evaluating Seminar Work:

- Relevance of Topic
- Relevance + depth of literature reviewed
- Seminar Report Technical Content Seminar Report Language
- Presentation Slides
- Presentation & Communication Skills
- Question and Answers Attendance for other Seminars

4. Project:

Under the guidance of the Project Coordinator, a structured process is followed for forming student groups, selecting project topics, and allocating guides based on domain expertise. Once topics are approved by a review panel comprising an internal guide and one senior faculty member, the groups start interactions with internal guides. Continuous monitoring is ensured through weekly review meetings, with detailed records maintained by the guides. Evaluation is conducted through two formal reviews each semester, assessed by both the internal guide and reviewer using defined rubrics. Final comprehensive evaluations take place at the end of the 7th and 8th semesters, ensuring consistent academic rigor and progress tracking.

Project Phase 1 Evaluation:

Students finalise a project topic aligned with their interests, preparing for the development stage. Evaluation includes Term Work (50 marks) through project reviews I and II. Assessment covers problem understanding, literature survey with gap analysis, proposed design, tool usage, preliminary results, presentation, and report quality. This stage focuses on strong conceptual planning and design for a solid foundation.

The following evaluation parameters are used:.

- Originality of Problem Statement
- Depth of Understanding
- Concrete Literature Survey with Identified Gaps in all referred papers
- Design and Analysis of Algorithm/Model/Architecture/System
- Representation of results using suitable tools like tabulation, graphs, etc.
- Presentation Skills
- Report Preparation

Project Phase 2 Evaluation:

This phase involves developing, testing, and validating the proposed solution. Evaluation includes Term Work (100 marks) through Reviews III & IV and a Final Oral Exam (50 marks). Assessment focuses on dataset usage, technology application, testing, result analysis, report quality, publication, and presentation skills, emphasising effective problem-solving with technical knowledge.

The following evaluation parameters are used:

- Availability of standard Data set / Input parameters
- Depth of Understanding of implemented Technology / Algorithm / Domain / Model
- Test cases / Validation and Verification process
- Justification of Algorithm / Model / Architecture / System
- Analysis of results and conclusion
- Presentation Skill
- Report preparation and Paper publication

5. Internship

As per the curriculum, 3rd year students are motivated to complete a 4 to 6-week internship after the 5th semester, aimed at providing practical industry exposure. The departmental internship coordinator assigns faculty guides to student groups and oversees the entire process. Students submit details of their internships details and faculty guides coordinate with external mentors from Industry to track progress. Students maintain an internship record book and submit weekly updates, while also preparing reports and presentations during lab sessions. Students present their internship work in front of the guide and review panel members

The following evaluation parameters are used:

- Depth of Knowledge
- Team Work
- Creativity
- Planning & Organizational Skills
- Adaptability and Analytical Skills
- Attitude & Behavior at Work
- Societal Understanding
- Ethics
- Regularity and Punctuality
- Attendance Record
- Log Book
- Internship Record
- Feedback from External Supervisor

6.Project Based Learning

In Project Based Learning, students groups identify and study real-world problems and propose practical solutions. They present their work during evaluation sessions and submit a detailed report outlining the problem, proposed solution, and implementation process.

The following evaluation parameters are used:

- Idea Inception

- Design of PPTs
- Presentation skills
- Understanding level
- Demonstration and Technical Ability
- Project Outcome
- Report writing
- Attendance Participation/Publication potential/ Patent Potential

Table 3.2.1.3 Overview of Course Outcome Assessment Tools

Assessment Type	Assessment Method	Course Type	Frequency of Assessment
Direct Assessment: Internal	Unit Test	Theory	Twice in Semester
	Assignment Oral	Theory	Twice in Semester
	Continuous Assessment	Laboratory/Practical Assignment	After Every Laboratory Assignment
	Rubrics	Seminar, Internship, Project, PBL	As per defined
Direct Assessment: External	University In-semester Exam	Theory	Mid of Semester
	University End-Semester Exam	Theory	At semester end
	University Oral / Practical Exams	Laboratory/Practical Assignment	At semester end
	University Project and Seminars Exam as per Rubrics defined	Seminar, Internship, Project	At semester end

3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (40)

Institute Marks : 39.00

A.Verify the attainment levels as per the benchmark set for all courses:

Evaluation of CO Attainment by Direct Assessment Tool:

The evaluation of course outcomes (CO) attainment by assessment tool involves a systematic process of collecting and analysing data to determine the extent to which the course outcomes have been achieved. The following steps are taken for this evaluation:

a) Communicate assessment details: Establish and communicate the assessment criteria and tools to students to ensure that they understand the expectations and how their performance will be evaluated at the start of the semester. This promotes transparency and guides students efforts effectively.

b) Conduct Assessment and Evaluation: Tools such as Unit Tests, Assignment Orals, and Continuous Assessments are conducted in a fair, consistent, and standardised manner as per the schedule in the Academic Calendar. The results are conveyed to students after evaluation by the Course Teacher.

c) Analyse results and prepare an action plan: The results of the assessment should be analysed to determine the extent to which the course outcomes have been met and submitted to the Exam Coordinator. Remedial action is also planned for the slow learners. Also, additional activities are planned for advanced learners to boost their learning skills. Following the evaluation of Course Outcome (CO) attainment levels, any identified gaps are measured, and an action plan is developed to address those gaps.

Attainment Levels:

Attainment level is measured in terms of student performance in internal examinations with respect to the Course Outcomes of a course and university examinations.

Target mark is stated as the average marks in the corresponding examination for this year.

The assessment gives a quantitative measure in each course, and these exhibit the level of attainment of course outcomes as follows:

Level 1- 40% of students score more than or equal to the target marks.

Level 2- 50% of students score more than or equal to target marks.

Level 3: 60% of students score more than or equal to the target marks.

Mapping of Assessment Tools and COs:

Mapping assessment tools and COs is an important part of the assessment process and can help to ensure that student performance is evaluated consistently and effectively. Mapping of assessment tools and course outcomes (COs) involves identifying which assessment tools are appropriate for evaluating specific COs. This process ensures that the assessment tools align with the intended learning outcomes and measure the desired knowledge, skills, and abilities. This process also helps to ensure that the assessment methods are valid and reliable, and that they provide accurate and meaningful information about students learning.

Notations Used:

L1 = 40% to 49.99% students scoring ≥ target marks

L2 = 50% to 59.99% students scoring ≥ target marks

L3 = 60% and above students scoring ≥ target marks

CO_i_AT_int = Internal attainment of i^{th} CO (individual CO)

CO_i_AT_ext = External attainment of i^{th} CO (individual CO)

n = Number of Course Outcomes considered (typically n = 6)

CO_i_AT_Dir = Direct attainment of i^{th} CO

CO_i_AT_final = Final attainment of i^{th} CO

W_{int}=Weight for internal assessment (0.2)

W_{ext}=Weight for external assessment (0.8)

Table 3.2.2.1: Mapping of COs and Assessment Tools for Theory Courses

Assessment Tool	Internal Assessment (20% weightage) CO_i_AT_int				External Assessment (80% weightage) CO_i_AT_ext	
	Unit Test 1	Unit Test 2	Assignment Oral 1	Assignment Oral 2	Insem Theory Exam	Endsem Theory Exam
COs mapped	CO1, CO2	CO4, CO5	CO3	CO6	(CO1, CO2)	(CO3, CO4, CO5, CO6)

Table 3.2.2.2: Mapping of COs and Assessment Tools for Practical Courses

Assessment Tool	Internal Assessment (20% weightage) CO_i_AT_int	External Assessment (80% weightage) CO_i_AT_ext	
	Continuous Assessment Sheet	Term work	Practical/Oral Exam
COs mapped	All Course Outcomes	All Course Outcomes	All Course Outcomes

Steps involved in evaluation of Course Outcome attainment:

1. Measuring individual CO attainment through Internal Assessment for unit Testes and assignments.

$$CO_i\_AT\_int = \sum_{i=1}^{n} (L1 + L2 + L3) \quad \text{..... (3.2.2.1)}$$

2. Measuring individual CO attainment through External Assessment for in semester examination and end semester examination.

$$CO_i\_AT\_ext = \sum_{i=1}^{n} (L1 + L2 + L3) \quad \text{..... (3.2.2.2)}$$

3. Course Outcome Attainment:

$$CO_i\text{\_AT\_Dir} = W_{int} * CO_i\text{\_AT\_int} + W_{ext} * CO_i\text{\_AT\_ext} \quad \text{..... (3.2.2.3)}$$

Set Target for the Course Outcome Attainment: At the beginning of the semester, the course teacher sets a target level for each Course Outcome, which serves as a baseline benchmark for evaluating Course Outcome Attainment. This target helps assess the effectiveness of the course in achieving its intended learning outcomes. Upon completion of assessments, the actual Course Outcome Attainment is compared against the set target. If the attainment meets or exceeds the target, the Course Outcome is considered *Attained*; otherwise, it is marked as *Not Attained*. In cases where outcomes are not attained, areas for improvement are identified, and an appropriate action plan is prepared for enhancement.

Action upon Course Outcome attainment:

Course Outcome target is not attained:

Corrective actions are taken based on the CO attainment values to improve the quality of education provided. If the attainment value for any CO is less than the target value set, it indicates that students are not achieving the expected outcomes for that particular Course Content.

In this case, the following corrective actions can be taken:

- **Course Support Group:** A course support group is formed among students to enhance query resolving, and additional input are given to students performing low by the Course Teacher
- **Course Mentor:** A Course Mentor is assigned to provide continuous support and guidance to the Course Teacher. The mentor assists in planning and improving instructional strategies, aligning teaching methods with course outcomes, and addressing any challenges in course delivery. This mentorship aims to enhance the overall quality of teaching and ensure that the course is conducted effectively.
- **Faculty Development:** Teachers can be offered professional development opportunities to strengthen their teaching skills and stay current with the latest pedagogical methods and strategies.
- **Evaluate the difficulty level of COs:** The complexity of course outcomes can vary, with some being inherently more challenging than others. Therefore, its important to take the difficulty level into account when evaluating whether to adjust target values.
- **Teaching methodology:** The teaching methodology should be regularly evaluated and refined to ensure its effectiveness and alignment with the course outcomes. This may involve adopting innovative instructional strategies or modifying existing approaches to better support student learning.

Course Outcome target is attained:

When Course Outcome target is attained, it is important to reassess the Course Outcome target and set new target for the next academic year.

Here are some suggestions to improve this process:

- **Examine CO Attainment Values:** Before setting new Course Outcome (CO) targets, it is essential to analyse existing attainment data to identify areas of strength. This evaluation helps in establishing new targets that are both realistic and appropriately challenging.
- **Incorporate Industry and Program Standards:** Course Outcome (CO) targets should align with relevant industry and academic program to ensure students are well-prepared for future placements and career success. These standards must be thoughtfully considered when setting new CO targets.

By implementing these recommendations, course teacher can establish new Course Outcome target that is aligned with both students needs and industry expectations. This approach helps ensure that students are well-prepared for their future careers and equipped with the essential skills and competencies for success.

Table: 3.2.2.3 Course Outcome Attainment (A.Y. 2020-21 to 2023-24)

Sr. No.	Course Code	Course name	CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8
1	C1101	Engineering Mathematics I	2.6	2.8	1.4	1.2	1.2	1.2	-	-
2	C1102P	Engineering Physics	3	3	1.4	1.4	1.4	1.4	-	-
3	C1102C	Engineering Chemistry	3	3	2.2	2.2	2.2	2.2	-	-
4	C1103	Systems in Mechanical Engineering	3	3	2	2	2.2	2.2	-	-
5	C1104EE	Basic Electrical Engineering	3	3	3	3	3	3	-	-
6	C1104EX	Basic Electronic Engineering	3	3	3	2.8	3	3	-	-
7	C1105P	Programming and Problem Solving	3	2.8	3	3	3	3	-	-
8	C1105E	Engineering Mechanics	3	3	3	3	3	3	-	-
9	C1201	Engineering Mathematics II	2	2.2	1.4	1.2	1.2	1.2	-	-
10	C1205	Engineering Graphics	3	3	2.6	3	2.8	3	-	-
11	C1106	Workshop	3	3	3	3	-	-	-	-
12	C1206	Project Based Learning	3	3	3	-	-	-	-	-
13	C201	Discrete Mathematics	3	3	3	3	3	3	-	-
14	C202	Logic Design and Computer Organization	3	3	3	3	3	3	-	-
15	C203	Data Structures and Algorithms	3	3	2.2	2.2	2.2	2.2	-	-
16	C204	Object Oriented Programming	3	3	3	3	3	3	-	-
17	C205	Basics of Computer Network	3	3	3	3	3	3	-	-
18	C206	Logic Design Computer Organization Lab	2.54	2.54	2.54	-	-	-	-	-
19	C207	Data Structures and Algorithms Lab	3	3	3	3	3	-	-	-
20	C208	Object Oriented Programming Lab	3	3	3	3	3	3	-	-
21	C209	Soft Skill Lab	3	3	3	3	3	3	-	-
22	C211	Engineering Mathematics - III	2.2	2.2	2.2	2.2	2.2	-	-	-
23	C212	Processor Architecure	3	3	2.2	2.2	2.2	2.2	-	-

24	C213	214452: Database Management System	2.2	2.2	2.2	2.2	2.2	2.2	-	-
25	C214	Computer Graphics	3	3	2.2	2.2	2.2	2.2	-	-
26	C215	Software Engineering	3	3	2.2	2.2	2	2.2	-	-
27	C216	Programming Skill Development Lab	3	3	3	3	3	3	-	-
28	C217	Database Management System Lab	3	3	3	3	3	3	-	-
29	C218	Computer Graphics Lab	3	3	3	3	3	3	-	-
30	C219	Project Based Learning	3	3	3	3	-	-	-	-
31	C301	Theory of Computation	2.2	2.2	2	2.2	2.2	2.2	-	-
32	C302	Operating Systems	3	3	2.2	2.2	2	2.2	-	-
33	C303	Machine Learning	3	3	2.2	2.2	2	2.2	-	-
34	C304	Human Computer Interaction	2.8	3	2.2	2.2	2	2.2	-	-
35	C305	Elective -I : Advanced Database Management System	3	3	2.2	2.2	2.2	2.2	-	-
36	C306	Operating Systems Lab	3	3	3	3	3	-	-	-
37	C307	Human Computer Interaction- Lab	3	3	3	3	3	3	-	-
38	C308	Laboratory Practice-I	3	3	3	3	3	3	3	3
39	C309	Seminar	3	3	3	3	3	3	-	-
40	C311	Computer Networks & Security	2.2	2.2	2.2	2.2	2.2	2.2	-	-
41	C312	Data Science and Big Data Analytics	2.2	2.2	2.2	2.2	2.2	2.2	-	-
42	C313	Web Application Development	3	3	1.4	1.4	1.4	1.4	-	-
43	C314	Artificial Intelligence	3	3	2.2	2.2	2.2	2.2	-	-
44	C315	Internship	3	3	3	3	3	3	-	-
45	C316	Computer Networks& Security-Lab	3	3	3	3	-	-	-	-
46	C317	DS & BDA-Lab	2.8	2.8	2.8	2.8	2.8	2.8	-	-
47	C318	Laboratory Practice-II	2.4	2.4	2.4	2.4	2.4	2.4	2.4	-
48	C401	Information Storage and Retrieval	2.8	2.6	2.2	2.2	2	2.2	-	-
49	C402	Software Project Management	3	3	2.2	2.2	2.2	2.2	-	-

50	C403	Deep Learning	3	3	3	3	2.8	3	-	-
51	C404	E-III(MOBILE COMPUTING)	2.2	2.2	2.2	2.2	2.2	2.2	-	-
52	C405	E-IV(Introduction to DevOps)	3	3	3	3	3	3	-	-
53	C406	Lab Practice III	3	3	3	3	-	-	-	-
54	C407	Lab Practice IV	3	3	3	3	-	-	-	-
55	C408	Project Stage-I	3	3	3	3	3	3	-	-
56	C410	Distributed Systems	3	3	3	3	2.8	3	-	-
57	C411	Elective V (Social Computing)	3	3	3	3	2.8	3	-	-
58	C412	Elective VI (Block Chain Technology)	3	3	2.2	2	1.8	2.2	-	-
59	C413	Startup and Entrepreneurship	3	3	3	3	3	3	-	-
60	C414	Lab Practice V	3	3	3	-	-	-	-	-
61	C415	Lab Practice VI	3	3	-	-	-	-	-	-
62	C416	Project Stage II	3	3	3	3	3	3	-	-

* Since some practical courses in IT curriculum have fewer Course Outcomes (COs), and certain courses are merged, the practical components show variation across CO2 to CO8

3.3 Attainment of Program Outcomes and Program Specific Outcomes (50) Total Marks 49.00

3.3.1 Describe the assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes (10)

Institute Marks : 9.00

Assessment refers to a set of systematic processes undertaken by the institution to identify, gather, and analyze data for evaluating the attainment of Program Outcomes (POs) and Program-Specific Outcomes (PSOs). Attainment refers to the extent to which predefined standards or desired goals have been successfully achieved or accomplished.

A. List of assessment tools and processes

The assessment of Program Outcomes and Program Specific Outcomes is done using two assessment methods as following:

- **Direct Assessment Method:** This involves evaluating each courses contribution toward the attainment of Program Outcomes, carrying an 80% weightage. Direct assessment methods reflect students knowledge and skills based on their performance in internal assessments and external assessment.
- **Indirect Assessment Method:** This approach captures stakeholder perspectives related to the attainment of POs and PSOs, carrying a 20% weightage. It is conducted through surveys and interviews, where stakeholders are invited to share their views on students' learning. The institution gathers feedback from various stakeholders to assess their perception of graduates' knowledge, skills, and overall preparedness.

B. The quality/relevance of assessment tools/processes used

a) Process for Direct Assessment Method:

The direct assessment method provides a quantitative measure for each course, reflecting the level of attainment of its associated Course Outcomes (COs). By mapping COs to POs and PSOs, the percentage attainment of each PO and PSO can be determined. The assessment of each CO is systematically carried out by the course teacher. These direct assessment results are then used in evaluating the attainment of the corresponding POs and PSOs.

The direct assessment method is further divided into two components: internal assessment, which carries a 20% weightage, and external assessment, which accounts for the remaining 80%.

Internal assessment comprises the evaluation of various internal examinations and activities such as unit tests, assignment orals, continuous assessments of practicals, seminars, project work, etc. Course Teachers systematically record each student's performance in these activities. This data reflects the knowledge and skill sets acquired by students with respect to the COs and their corresponding POs and PSOs.

External assessment includes University-conducted in-semester, end-semester theory exams, practical, oral, and project examinations. Once the University results are declared, students' performance in these components is evaluated with respect to each CO and the corresponding POs and PSOs.

To assess attainment levels of POs and PSOs, the same tools and criteria used to define COs attainment levels are applied. As a result, the attainment levels of COs are used to calculate the attainment levels of PSOs and POs.

Direct assessment of POs and PSOs is based on the attainment levels of COs and the degree of correlation between them.

Sample calculation for PO/PSO attainment is described in following two steps:

Notations used

W_{dir} = Weight for direct attainment (0.8)

W_{indir} = Weight for indirect attainment (0.2)

PO_i/PSO_i_AT= PO/PSO Attainment

PO_i/PSO_i_Dir_AT= PO/PSO Direct Attainment

PO_i/PSO_i_Indir_AT= PO/PSO Indirect Attainment

Total_Course_AT=Total Course Attainment

Avg_CO_IA_AT = Average Course Internal Attainment

Avg_CO_EA_AT = Average Course External Attainment

Wt_PO_{ij}/PSO_{ij}=Average Weight of particular PO for individual COs of the Course

N=No. of courses from first year to final year in the program

Steps involved in evaluation of PO/PSO Direct attainment:

Step 1: Course total attainment is a weighted calculation of Internal Attainment and External Attainment as follows:

$$Avg\_CO\_IA\_AT = \frac{\sum_{i=1}^{n} CO_{i}\_AT\_int}{n} \quad \text{..... 3.3.1.1}$$

$$\text{Avg\_CO\_EA\_AT} = \frac{\sum_{i=1}^{n} CO_i\_AT\_ext}{n} \quad \text{..... 3.3.1.2}$$

$$Total\_Course\_AT = (W_{int} * \text{Avg\_CO\_IA\_AT} + W_{ext} * \text{Avg\_CO\_EA\_AT}) \quad \text{..... 3.3.1.3}$$

Step 2: Calculation of attainment of POs through Direct Assessment:

$$PO_i / PSO_i\_Dir\_AT = \frac{\sum_{j=1}^{N} (Total\ Course\_AT * Wt\_PO_{ij}/PSO_{ij})/3}{N} \quad \text{..... 3.3.1.4}$$

Example of above process is shown below:

Course: Artificial Intelligence

Course Code: C314

Step – 1

Table: 3.3.1.1 Course C314 Course Attainment Sheet

Sr. No.	Roll No.	Student Name	Internal Exam Assessment						University Exam Assessment	
			CO1	CO2	CO3	CO4	CO5	CO6	CO1, CO2	CO3, CO4, CO5, CO6
			UT1	UT1	TA1	UT2	UT2	TA2	INSEM	ENDSEM
			15	15	15	20	20	15	30	70
1	3301	AGRAWAL NUPUR	13	12	15	13	12	15	23	64
2	3302	PRIYANKA AUTI	12	11	15	15	13	15	18	41
3	3303	AVHAD NISHA	13	10	15	11	9	15	20	52
4	3304	BABAR ANUJA	12	10	15	13	11	15	13	58
5	3305	ANAM BAGWAN	7	5	15	17	15	15	20	56
6	3306	BAMANE SNEHA	14	11	14	10	10	14	14	34
7	3307	BANDGAR SAMIKSHA	7	6	14	11	10	14	23	53
8	3308	BANKAR NIKITA	14	13	15	12	8	15	24	57
9	3309	BHALERAO SHARWARI	8	7	14	14	10	14	19	55
10	3310	BHOITE SRUSHTI	13	12	15	16	16	15	25	58

11	3311	BHOSALE RUTIKA	11	10	14	10	8	14	27	43
12	3312	BORA SAMTA	10	10	14	15	13	14	23	51
13	3313	ANUJA BORATE	7	5	14	12	12	14	21	40
14	3314	BULBULE SANJIVANI	15	12	15	13	11	15	22	64
15	3315	CHANDLE AKANSHA	10	9	15	9	9	15	5	19
16	3316	CHANDWADKAR SMITI	11	8	15	18	14	15	24	57
17	3317	CHATUR RUTUJA	14	13	14	14	10	14	23	54
18	3318	DESAI KRUPA	12	10	13	15	9	13	25	59
19	3319	DIKSHA RAINA	11	10	15	16	12	15	27	65
20	3320	DIVEKAR SAMRUDDHI	8	4	15	13	11	15	25	57
21	3321	DUBBEWAR SAKSHI	7	5	14	11	9	14	16	32
22	3322	FULPAGAR PRAJAKTA	11	8	13	12	11	13	14	39
23	3323	GAIKWAD GAYATRI	9	7	13	14	11	13	16	42
24	3324	GAIKWAD VRUSHALI	13	11	15	19	17	15	25	60
25	3325	GUNJAL KRANTI	14	12	14	15	13	14	19	34
26	3326	SONAWANE HARSHADA	7	5	15	16	14	15	23	54
27	3327	HULWAN ADITI	15	12	15	18	16	15	24	51
28	3328	INGAWALE VAISHNAVI	7	6	14	12	13	14	25	62
29	3329	IPAR KRUTIKA	11	10	15	15	14	15	19	38
30	3330	JADHAV NAMRATA	8	7	14	12	12	14	27	53
31	3331	JADHAV SHRADDHA	15	15	15	18	17	15	24	48
32	3332	JANHVI MAWAL	10	8	15	20	16	15	26	66
33	3333	KAKADE UTKARSHA	16	14	15	14	12	15	27	66
34	3334	SANIKA KARALE	11	10	13	12	8	13	23	64
35	3335	KARANDE PRAJAKTA	8	7	15	18	18	15	24	63

36	3336	YOGITA KHALATE	14	13	15	14	13	15	25	61
37	3337	KHANZODE GAURI	15	12	14	14	14	14	18	53
38	3338	KORDE SAKSHI	16	14	15	17	15	15	24	40
39	3339	KULKARNI KALYANI	11	9	15	12	9	15	21	61
40	3340	KURHADE RUPALI	8	4	15	15	15	15	28	61
41	3341	LAD SHRUTI	13	11	14	17	16	14	22	54
42	3342	MAHAMUNI SAKSHI	14	12	14	10	10	14	20	62
43	3343	MAHARANAWAR SHWETA	7	5	15	17	13	15	15	47
44	3344	MANE TANAYA	11	11	15	13	14	15	20	32
45	3345	MANJRAMKAR VAISHNAVI	8	4	9	AB	AB	9	10	32
46	3346	MARDIKAR GARGEE	15	14	15	19	18	15	22	51
47	3347	MENDAGUDALE DIVYA	7	7	13	13	13	13	12	32
48	3348	KIRTI MHASKE	14	11	15	19	17	15	27	57
49	3349	MOHITE SHREYA	7	5	13	15	12	13	7	33
50	3350	MULLA RAJIYA	8	4	15	16	14	15	17	35
51	3351	MUSKAN TAK	12	11	13	14	12	13	14	40
52	3352	NANWANI RUCHIKA	7	5	13	13	13	13	14	53
53	3353	NILAKH SHREYA	13	12	15	15	14	15	15	38
54	3354	PACHARNE TRUPTI	15	12	15	17	14	15	25	61
55	3355	PAGAR SAMRUDDHI	11	9	14	18	15	14	28	53
56	3356	PARASHAR REWA	7	6	15	14	14	15	26	54
57	3357	PATHRIKAR DEVYANI	14	11	14	13	10	14	21	33
58	3358	PATIL NETRA	15	14	14	16	15	14	17	49
59	3359	PATIL SHWETA	7	5	14	19	16	14	17	47
60	3360	PATIL VAISHNAVI	14	15	15	14	11	15	25	49
61	3361	PAWAR JYOTI	7	5	AB	AB	AB	AB	19	AB

62	3362	PHATATE SHWETA	13	12	15	16	16	15	25	61
63	3363	RANE GHANISHTHA	15	14	15	18	18	15	24	55
64	3364	SAID PRAJWAL	16	14	15	18	17	15	23	66
65	3365	SALUNKE SNEHA	15	12	15	13	11	15	29	60
66	3366	SASWATI PARIDA	14	14	14	12	10	14	26	60
67	3367	SAYALI SHELAR	12	10	15	15	16	15	23	55
68	3368	SEJAL PAWAR	12	11	14	14	13	14	23	48
69	3369	SHAIKH AMINA	14	11	15	16	13	15	24	57
70	3370	SHAILJA SHREE	11	10	14	12	12	14	19	59
71	3371	SHITAL JADHAV	12	10	15	13	11	15	16	38
72	3372	SHRUTI MULAY	13	10	13	9	7	13	20	36
73	3373	MANCHALKAR SNEHA	14	10	14	18	14	14	24	49
74	3374	SONI KRISHNA R	15	12	14	15	13	14	17	51
75	3375	SURYAWANSHI JIVANI	11	9	14	14	10	14	24	41
76	3376	SWAPNALI TAWADE	13	13	14	13	12	14	25	45
77	3377	WALGUDE VAISHNAVI	11	10	14	12	13	14	21	46
78	3378	WATANE MRUNMAI	8	7	14	8	8	14	17	37
Total no. of students			78	78	78	78	78	78	78	78
Total no. of absent students			0	0	1	2	2	1	0	1
Total no. of appeared students			78	78	77	76	76	77	78	77
Target Marks			11	9	14	14	12	14	21	50
No. of students achieved Target			53	53	67	46	50	67	47	45
% No. of students achieved Target			67.95	67.95	87.02	60.53	65.79	87.02	60.26	58.45
Level Achieved			**3**	**3**	**3**	**3**	**3**	**3**	**3**	**2**
			Average CO_IA-AT						**Average CO_UA_AT**	
			3						**2.33**	
Total Course-AT			**2.47**							

Table 3.3.1.2 CO - PO mapping for Course C314

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C314.1	3	2	-	-	-	-	-	-	-	1	-	2
C314.2	3	3	2	2	-	-	-	-	-	1	-	-
C314.3	3	3	2	2	2	-	-	-	-	2	-	-
C314.4	3	-	2	-	3	-	-	-	-	1	-	2
C314.5	3	-	3	-	2	-	-	-	-	1	-	-
C314.6	3	-	-	-	3	2	-	-	-	2	-	3
Avg	3	2.66	2.25	2	2.5	2	-	-	-	1.33	-	2.33

Step – 2

Sample PO1 Attainment Calculation

Course C314: PO_1_Dir_AT = (2.47*3)/3 = 2.47

Table 3.3.1.3 C314 CO - PO Attainment Matrix

Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C314	2.47	2.19	1.85	1.65	2.06	1.65	-	-	-	1.09	-	1.91

In this way, the direct attainment values are calculated for all courses, and the average is used to determine the final PO_i/PSO_i direct attainment value.

b) Process for Indirect Assessment Method:

The indirect method is implemented through surveys such as Graduate Exit Survey, Alumni Survey, and Employer Survey.

Feedback and suggestions are collected from graduating students at the end of the academic year, contributing to the evaluation of POs and PSOs. These responses also help identify the strengths and areas for improvement within the program, providing a foundation for revising POs and PSOs where necessary.

Attainment of POs and PSOs through indirect tools offers valuable insights into students perceptions of their learning experiences and the extent to which they believe they have achieved the intended outcomes. Although indirect methods have certain limitations, they still provide meaningful information about students' experiences, the program's relevance, and its alignment with employer and societal needs. By integrating both direct and indirect assessment methods, the department gains a more holistic understanding of the program's effectiveness in achieving its educational objectives.

Notations used

Indir _GES_AT = Indirect attainment – Graduate Exit Survey

Indir _AlS_AT = Indirect attainment – Alumni Survey

Indir _EmpS_AT = Indirect attainment – Employer Survey

PO_i/PSO_i_Indir_AT = Average(Indir _GES_AT, Indir _AlS_AT, Indir _EmpS_AT)

c) Final PO/PSO attainment is calculated for Direct and Indirect attainment.

$$PO_i/PSO_i\_AT = (W_{dir} * PO_i/PSO_i\_\text{Dir\_AT}) + (W_{indir} * PO_i/PSO_i\_\text{Indir\_AT}) \quad \text{..... 3.3.1.5}$$

By combining direct and indirect tools, the department gains a more comprehensive understanding of the programs effectiveness in achieving its intended outcomes.

The attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) is measured using both direct and indirect assessment tools. The Target for PO/PSO Attainment refers to the expected level of achievement or proficiency that students should demonstrate for each outcome. This target is defined by the department offering the program and serves as a benchmark for evaluating the effectiveness of the curriculum in achieving its intended learning outcomes.

By setting clear and measurable targets, the program can effectively monitor student progress, identify gaps, and implement necessary improvements to achieve the desired outcomes. Once the attainment is analyzed, a comprehensive PO and PSO attainment report is prepared and submitted to the department for further review and action planning.

3.3.2 Provide results of evaluation of PO&PSO (40)

Institute Marks : 40.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C1101	1.68	1.68	PO3	1.12	1.12	PO6	PO7	PO8	PO9	0.56	PO11	0.56
C1102P	1.88	1.25	1.25	1.88	1.5	PO6	PO7	PO8	1.88	1.25	PO11	1.25
C1102C	2.4	2	1.5	PO4	1.4	2.4	1.2	PO8	1.5	1.6	PO11	0.8
C1103	2.37	1.84	1.26	0.95	0.79	1.58	1.42	PO8	PO9	0.79	PO11	1.589
C1104EE	2.67	2	2	2	PO5	2	PO7	PO8	1	1	PO11	1.5
C1104EX	2.97	1.82	1.65	PO4	1.49	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C1105P	2	2	1.83	2	2	PO6	PO7	PO8	1.25	2	PO11	2
C1105E	3	3	1.67	1	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C1201	1.51	1.51	PO3	1.01	1.01	PO6	PO7	PO8	PO9	0.5	PO11	0.5
C1205	2.9	1.93	1.45	PO4	2.09	1.33	PO7	PO8	PO9	1.61	PO11	PO12
C1106	1	3	PO3	PO4	3	PO6	1	2	PO9	PO10	2	3
C1206	2	2.75	2.75	2.75	2.25	2.25	2.25	3	2.5	2.25	3	3
C201	2	3	2	PO4	PO5	PO6	PO7	PO8	PO9	1.34	PO11	PO12
C202	1.17	1	1	PO4	PO5	PO6	PO7	PO8	PO9	1	PO11	PO12
C203	1.65	1.51	1.79	PO4	PO5	PO6	PO7	PO8	PO9	1.1	PO11	0.82
C204	1	1.17	1.34	PO4	1	PO6	PO7	PO8	PO9	1	PO11	1
C205	2	2.5	2	PO4	PO5	PO6	PO7	PO8	PO9	1.33	PO11	PO12
C206	1.67	0.83	0.83	0.83	0.83	PO6	PO7	0.83	PO9	0.83	PO11	PO12
C207	2	2	2	PO4	PO5	PO6	PO7	1	PO9	2	PO11	1
C208	1	1.17	1.34	PO4	1	PO6	PO7	PO8	PO9	1	PO11	1
C209	PO1	PO2	PO3	PO4	PO5	PO6	PO7	1.5	2	2.16	PO11	2
C211	1.47	1.28	1.1	1.47	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C212	1.24	1.1	1.24	0.82	0.82	1.65	0.82	0.82	PO9	1.1	PO11	0.82
C213	1.1	1.17	1.17	1.47	0.73	PO6	PO7	0.73	PO9	1.03	PO11	1.47

C214	1.79	1.65	PO3	PO4	0.82	PO6	PO7	PO8	PO9	0.82	PO11	0.82
C215	0.81	1.63	1.29	0.81	1.02	PO6	PO7	PO8	PO9	1.22	1.63	PO12
C216	1.34	1	1	1	1	1	1	1	PO9	1	PO11	1.5
C217	1.83	2.4	2.2	1	1	1	1	1.4	1.67	1.8	1	2.5
C218	2	2	2	PO4	1	PO6	PO7	1	PO9	2	PO11	1
C219	2	2	1.5	1	1	1	1	1	2	1	1	1.75
C301	1.45	1.45	0.72	1.45	0.72	PO6	PO7	PO8	0.72	0.97	PO11	0.72
C302	1.63	2.24	2.44	1.63	2.44	2.44	PO7	2.44	2.44	2.44	PO11	1.76
C303	1.63	1.22	0.81	1.36	0.95	PO6	PO7	0.81	PO9	2.44	PO11	0.81
C304	1.6	1.87	1.87	1.34	1.34	1.12	1.6	PO8	PO9	1.6	PO11	1.6
C305	1.65	1.37	1.65	PO4	0.82	1.65	PO7	0.82	PO9	0.82	PO11	1.65
C306	2	2.75	3	2	2.8	PO6	PO7	1	2	3	PO11	2.2
C307	2	2	2	2	3	2	1.5	3	PO9	2	PO11	3
C308	2.25	2.17	2.29	1.75	1.71	1.75	1	1.86	1.38	1.38	1	2.5
C309	3	3	3	2	3	3	3	3	3	3	2.34	2.5
C311	1.47	1.96	1.47	1.47	1.59	1.91	PO7	PO8	0.73	0.92	PO11	0.73
C312	1.59	1.96	1.72	1.47	1.83	1.47	0.86	PO8	0.73	0.88	0.73	0.73
C313	1.29	1.84	1.73	1.19	0.65	1.94	0.97	0.67	PO9	2	PO11	1.94
C314	2.47	2.19	1.85	1.65	2.06	1.65	PO7	PO8	PO9	1.09	PO11	1.91
C315	2.17	2.67	2	1.84	3	PO6	1.5	1.5	3	3	2	3
C316	1.75	2.25	2.5	2.25	1.75	1.75	1	2.5	1.75	2	PO11	2
C317	2.18	2.18	1.87	1.87	2.05	2.18	0.93	0.93	0.93	0.93	0.93	0.93
C318	1.6	1.6	1.6	1.83	1.37	1.37	2.4	1.6	2.17	1.6	PO11	2.4
C401	1.56	1.83	1.83	1.56	PO5	PO6	PO7	PO8	PO9	1.05	PO11	PO12
C402	1.79	2.2	1.65	1.51	2.47	2.06	1.65	PO8	1.93	1.37	0.82	2.47
C403	1.98	2.32	1.78	1.49	PO5	PO6	PO7	PO8	PO9	1.33	PO11	PO12
C404	1.47	0.73	1.47	PO4	PO5	PO6	PO7	PO8	PO9	0.98	PO11	PO12
C405	1.17	1.84	1.5	1.67	1.67	1.6	2	1.25	2	1	1.5	1
C406	2.34	2.17	1.33	2.17	1.67	1.67	3	2	3	1.83	PO11	3
C407	1.75	2.34	2.34	2	2.25	PO6	PO7	1	PO9	3	PO11	PO12
C408	2.5	2.84	3	2.84	3	3	1	2	3	3	3	3
C410	1.98	2.32	1.78	1.49	PO5	PO6	PO7	PO8	PO9	1.33	PO11	PO12

C411	0.99	0.99	0.99	PO4	0.99	PO6	PO7	PO8	PO9	0.99	PO11	PO12
C412	0.92	PO2	0.79	PO4	PO5	PO6	PO7	PO8	PO9	0.79	PO11	0.79
C413	2	2.84	3	2	3	3	3	3	3	2	3	3
C414	2	2	2	2	2	PO6	PO7	1.33	3	3	PO11	PO12
C415	1	PO2	PO3	1	1	PO6	PO7	PO8	PO9	1	PO11	1
C416	2.17	2.67	2	2.84	3	3	1.5	1.5	3	3	3	3
PO Attainment	1.80	1.89	1.74	1.61	1.69	1.67	1.46	1.56	1.96	1.58	1.76	1.70

PO Attainment Level

Course	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Direct Attainment	1.80	1.93	1.73	1.61	1.65	1.88	1.52	1.55	1.98	1.54	1.80	1.69
InDirect Attainment	1.79	1.74	1.78	1.59	1.83	0.84	1.23	1.6	1.89	1.72	1.6	1.73

PSO Attainment

Course	**PSO1**	**PSO2**	**PSO3**
C201	PSO1	1	PSO3
C202	1	PSO2	PSO3
C203	PSO1	1.24	PSO3
C204	PSO1	1	1
C205	2	2	1.5
C206	0.83	0.83	0.83
C207	PSO1	1.8	PSO3
C208	PSO1	1	1
C209	PSO1	PSO2	PSO3
C211	PSO1	PSO2	PSO3
C212	0.82	1.65	0.82
C213	1.1	1.22	0.98
C214	PSO1	0.82	0.82
C215	0.8	0.8	PSO3
C216	1	1.2	1.2
C217	1.84	2.25	1.34
C218	PSO1	2	PSO3
C219	1.67	1.67	2

C301	0.72	1.21	0.72
C302	1.22	2.03	0.81
C303	1.49	1.36	1.63
C304	1.07	0.8	1.07
C305	2.06	1.65	1.92
C306	1	2	PSO3
C307	1	1	1.67
C308	1.63	1.5	2
C309	3	3	3
C311	1.35	1.47	1.61
C312	1.35	1.35	0.86
C313	0.65	0.97	0.76
C314	0.82	2.47	2.34
C315	3	3	2.84
C316	1.75	1.75	2.25
C317	1.87	1.4	0.93
C318	1.03	1.37	1.83
C401	1.44	1.3	PSO3
C402	1.51	2.47	2.34
C403	PSO1	1.98	1.98
C404	1.35	PSO2	1.47
C405	1	2	1.5
C406	2.17	1.83	2
C407	PSO1	1.67	1.75
C408	3	3	3
C410	1.98	1.98	1.98
C411	0.99	0.99	0.99
C412	0.79	PSO2	1.42
C413	2.34	1.84	2.5
C414	2	2.5	2
C415	PSO1	PSO2	2
C416	3	3	3

PSO Attainment	1.56	1.64	1.63

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	1.52	1.67	1.64
InDirect Attainment	1.74	1.53	1.57

4 STUDENTS' PERFORMANCE (150) Total Marks 126.66

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Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23(CAYm2)	2021-22(CAYm3)	2020-21(CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
Sanctioned intake of the program(N)	60	60	60	60	60	60	60
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus No. of students migrated to this program (N1)	60	55	53	60	58	42	32
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	12	14	7	9	25	33
Separate division students, If applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the programme(N1 + N2 + N3)	60	67	67	67	67	67	65

Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated without backlogs in any semester/ year of study (Without Backlog means no compartment or failures in any semester/ year of study)			
		I year	II year	III year	IV year
2024-25 (CAY)	60	0	0	0	0
2023-24 (CAYm1)	67	41	0	0	0
2022-23 (CAYm2)	67	35	47	0	0
2021-22 (CAYm3)	67	52	48	48	0
2020-21 (LYG)	67	58	47	45	45
2019-20 (LYGm1)	67	38	61	59	59
2018-19 (LYGm2)	65	13	46	46	45

Table 4.3

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2024-25 (CAY)	60	0	0	0	0
2023-24 (CAYm1)	67	53	0	0	0
2022-23 (CAYm2)	67	49	62	0	0
2021-22 (CAYm3)	67	60	65	62	0
2020-21 (LYG)	67	58	66	64	62
2019-20 (LYGm1)	67	42	67	67	66
2018-19 (LYGm2)	65	29	61	61	60

4.1 Enrolment Ratio (20)

Total Marks 20.00

Institute Marks : 20.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2024-25 (CAY)	60	60	100.00
2023-24 (CAYm1)	60	55	91.67
2022-23 (CAYm2)	60	53	88.33

Average [(ER1 + ER2 + ER3) / 3] : 93.33

Assessment : 20.00

4.2 Success Rate in the stipulated period of the program (40)

Total Marks 32.95

4.2.1 Success rate without backlogs in any semester / year of study (25)

Institute Marks : 18.75

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)	Latest Year of Graduation minus 2 LYGm2 (2018-19)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	67.00	67.00	65.00
Y Number of students who have graduated without backlogs in the stipulated period	45.00	59.00	45.00
Success Index [SI = Y / X]	0.67	0.88	0.69

Average SI [(SI1 + SI2 + SI3) / 3] : 0.75

Assessment [25 * Average SI] : 18.75

4.2.2 Sucess rate in stipulated period (15)

Institute Marks : 14.20

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)	Latest Year of Graduation minus 2 LYGm2 (2018-19)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	67.00	67.00	65.00
Y Number of students who have graduated in the stipulated period	62.00	66.00	60.00
Success Index [SI = Y / X]	0.93	0.99	0.92

Average SI[(SI1 + SI2 + SI3) / 3]: 0.95

Assessment [15 * Average SI] : 14.20

Note : If 100% students clear without any backlog then also total marks scored will be 40 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

4.3 Academic Performance in Third Year (15)

Total Marks 12.48

Institute Marks : 12.48

Academic Performance	CAYm3 (2021-22)	LYG (2020-21)	LYGm1 (2019-20)
Mean of CGPA or mean percentage of all successful students(X)	8.26	8.22	9.12
Total number of successful students(Y)	62.00	64.00	67.00
Totalnumber of students appeared in the examination(Z)	65.00	66.00	67.00
API [X*(Y/Z)]:	7.88	7.97	9.12

Average API [(AP1 + AP2 + AP3)/3] : 8.32

Assessment [1.5 * AverageAPI] : 12.48

4.4 Academic Performance in Second Year (15)

Total Marks 11.03

Institute Marks : 11.03

Academic Performance	CAYm2 (2022-23)	CAYm3 (2021-22)	LYG (2020-21)
Mean of CGPA or mean percentage of all successful students(X)	7.83	6.95	7.73
Total number of successful students (Y)	62.00	65.00	66.00
Total number of students appeared in the examination (Z)	63.00	67.00	67.00
API [X * (Y/Z)]	7.71	6.74	7.61

Average API [(AP1 + AP2 + AP3)/3] : 7.35

Assessment [1.5 * AverageAPI] : 11.03

4.5 Placement, Higher Studies and Entrepreneurship (40)

Total Marks 33.20

Institute Marks : 33.20

Item	LYG (2020-21)	LYGm1 (2019-20)	LYGm2 (2018-19)
Total No of Final Year Students(N)	64.00	67.00	61.00
No of students placed in the companies or government sector(X)	47.00	40.00	52.00
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	2.00	7.00	9.00
No of students turned entrepreneur in engineering/technology (Z)	0.00	1.00	0.00
x + y + z =	49.00	48.00	61.00
Placement Index [(X+Y+Z)/N] :	0.77	0.72	1.00

Average Placement [(P1 + P2 + P3)/3] : 0.83

Assessment [40 * Average Placement] : 33.20

Program Name :

Assessment Year Name : CAYm1

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	SASWATI PARIDA	12020254075	STANDARD CHARTERED GBS	STANDARD CHARTERED GBS/SASWATI PARIDA
2	PRAJWAL PANDHARINATH SAID	12020254084	BNY MELLON	BNY MELLON/PRAJWAL PANDHARINATH SAID/16-07-2023
3	SAMRUDDHI PRASHANT PAGAR	12020254064	ACCENTURE	C06250012
4	GAURI SANDEEP KHANZODE	12020254076	ACCENTURE	C06249845
5	JADHAV NAMRATA POPAT	12020254109	AMDOCS	AMDOCS/JADHAV NAMRATA POPAT/6-10-2023
6	JANHVI SUNIL MAWAL	12020254080	AMDOCS	AMDOCS/JANHVI SUNIL MAWAL/6-10-2023
7	KRISHNA RAJESH SONI	12020254092	AMDOCS	AMDOCS/KRISHNA RAJESH SONI/6-10-2023
8	SANJIVANI NAGNATH BULBULE	12020254089	AMDOCS	AMDOCS/SANJIVANI NAGNATH BULBULE/6-10-2023
9	SAYALI SANJAY SHELAR	12020254002	AMDOCS	AMDOCS/SAYALI SANJAY SHELAR/6-10-2023
10	SHITAL SUDHAKAR JADHAV	12020254122	AMDOCS	AMDOCS/SHITAL SUDHAKAR JADHAV/6-10-2023
11	SNEHA DATTATRAY SALUNKE	12020254063	AMDOCS	AMDOCS/SNEHA DATTATRAY SALUNKE/6-10-2023
12	VAISHNAVI RAJENDRA INGAWALE	12020254090	AMDOCS	AMDOCS/VAISHNAVI RAJENDRA INGAWALE/10-10-2023
13	NIKITA HEMANT BANKAR	12020254105	AMDOCS	AMDOCS/NIKITA HEMANT BANKAR/10-10-2023
14	KALYANI KULKARNI	12021265652	IBM	IBM/KALYANI KULKARNI/13-11-2023
15	SHARVARI BHALERAO	12020254126	IBM	IBM/SHARVARI BHALERAO/13-11-2023
16	SRUSHTI BHOITE	12020254123	BNY MELLON	BNY MELLON/SRUSHTI BHOITE
17	ANAM BAGWAN	12021265651	FIS	FIS/ANAM BAGWAN/18-4-2024
18	SHRUTI LAD	12020254070	FIS	FIS/SHRUTI LAD/18-4-2024
19	NUPUR MAHESH AGRAWAL	12020254119	CAPGEMINI	4399935
20	GHANISHTHA ANIL RANE	12020254098	CAPGEMINI	4400005
21	UTKARSHA VASANTRAO KAKADE	12021265653	WALMART GLOBAL TECH	WALMART GLOBAL TECH/UTKARSHA VASANTRAO KAKADE/2-6-2024
22	SWAPNALI ARJUN TAWADE	12020254097	CAPGEMINI	4400041
23	YOGITA SUNIL KHALATE	12021265655	CAPGEMINI	4400003
24	GARGEE GAJANAN MARDIKAR	12020254118	CAPGEMINI	4400057
25	KIRTI DATTATRAY MHASKE	12020253957	CAPGEMINI	4399912
26	SHWETA SANTOSH PHATATE	12020254111	CAPGEMINI	4399904
27	ANUJA DEEPAK BABAR	12020254112	CAPGEMINI	4400046
28	ANUJA RAMHARI BORATE	12020253968	CAPGEMINI	4851978
29	NISHA DNYANESHWAR AVHAD	12021265657	CAPGEMINI	4399919
30	MRUNMAYEE WATANE	12020254095	TCS	TCSL/DT20245330870/Pune
31	REWA PARASHAR	12020254125	DIGITAL PARKER	PAR/0484/2024

32	KRUPA DESAI	12020254103	PUBLICIS SAPIENT	PUBLICIS SAPIENT/KRUPA DESAI/13-4-2024
33	VRUSHALI GAIKWAD	12020254102	PUBLICIS SAPIENT	PUBLICIS SAPIENT/VRUSHALI GAIKWAD/13-4-2024
34	TRUPTI PACHARANE	12020254120	CAPGEMINI	1266070/123538
35	SMITI CHANDWADKAR	12021265659	WESTERN UNION	WESTERN UNION/SMITI CHANDWADKAR/2-7-2024
36	SHAILJA SHREE	12020254074	VOIS	VOIS/SHAILJA SHREE/28-8-2024
37	SANIKA KARALE	12020253952	SYNECHRON TECHNOLOGIES PVT. LTD.	SYNECHRON TECHNOLOGIES PVT. LTD./ SANIKA KARALE/20-9-2024
38	RAJIYA MULLA	12020254116	VOIS	VOIS/RAJIYA MULLA/19-8-2024
39	SHRUTI MULAY	12020254067	VOIS	VOIS/SHRUTI MULAY/19-8-2024
40	ADITI HULWAN	120202541077	VOIS	VOIS/ADITI HULWAN/19-8-2024
41	GAYATRI GAIKWAD	12020254099	VOIS	VOIS/GAYATRI GAIKWAD/28-8-2024
42	KRANTI GUNJAL	12020254081	ACCENTURE	C08167606
43	SHWETA MAHARANWAR	12020254094	FOUR COLORS INDIA PVT. LTD.	FOUR COLORS INDIA PVT. LTD./ SHWETA MAHARANWAR/18-7-2024
44	AMINA SHAIKH	12020254101	TCS	TCSL/CT20234212437/Pune
45	SHRADDHA RAMDAS JADHAV	12020254087	CAPGEMINI	4400033
46	TANAYA MANE	12020254110	VE HEALTHTEK PRIVATE LTD.	VE HEALTHTEK PRIVATE LTD./TANAYA MANE/14-07-2025
47	NETRA PATIL	12020254108	HUMMING BYTE TECHNOLOGIES PVT. LTD	HUMMING BYTE TECHNOLOGIES PVT. LTD/ NETRA PATIL

Assessment Year Name : CAYm2

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	PATANGE SAKSHI SANTOSH	12019097735	VODAFONE INTELLIGENT SYSTEM (VOIS)	VODAFONE INTELLIGENT SYSTEM / PATANGE SAKSHI SANTOSH /5-12-2022
2	MANE SRUSHTI DHANAJI	12020254153	VODAFONE INTELLIGENT SYSTEM	VODAFONE INTELLIGENT SYSTEM / MANE SRUSHTI DHANAJI /5-12-22
3	DHANASHRI SANTOSH VAIDYA	12020254130	VODAFONE INTELLIGENT SYSTEM	VODAFONE INTELLIGENT SYSTEM /DHANASHREE SANTOSH VAIDYA/5-12-2022
4	LOKHANDE SHRADDHA DATTATRAY	12019097749	VODAFONE INTELLIGENT SYSTEM	VODAFONE INTELLIGENT SYSTEM / LOKHANDE SHRADDHA DATTATRAY /5-12-2022
5	PATANKAR KSHITIJA SATISH	12019097765	VODAFONE INTELLIGENT SYSTEM	VODAFONE INTELLIGENT SYSTEM / PATANKAR KSHITIJA SATISH /5-12-2022
6	ISHITA ZAMBARE	12019097746	PERSISTENT	PERSISTENT/Campus/2148254/3.0
7	ALFIJA SAYYAD	12019097769	CAPGEMINI	3493968
8	ISHIKA GUPTA	12019097755	CAPGEMINI	3499161
9	VIDHI JAIN	12019097753	CAPGEMINI	3504085
10	SHRUTI MANE	12019097732	CAPGEMINI	3509120
11	SHAMBHAVI SWAMI	12020254144	CAPGEMINI	3525630
12	MANDIRA RAI	12019097771	CAPGEMINI	3489965
13	VAISHNAVI GAHIN	12019097763	CAPGEMINI	CAPGEMINI/VAISHNAVI GAHIN
14	KOMAL PATIL	12019097770	NIELSENIQ	NIELSENIQ/ KOMAL PATIL /6-9-2023
15	AYESHA SAYYED	12019097741	NIELSENIQ	NIELSENIQ/ AYESHA SAYYED /6-9-2023
16	JANHAVI PATIL	12020254131	NIELSENIQ	NIELSENIQ/ JANHAVI PATIL/16-1-2023
17	MADHAVI INGALE	12019097761	TCS	TCSL/DT20223255203/Pune
18	RUTUJA RAWAS	12019097734	TCS	TCSL/CT20224002880/Pune
19	ADITI SHINDE	12020254142	AMDOCS	AMDOCS/ ADITI SHINDE /10-10-2022
20	SAWANT BHAKTI	12019097726	ACCENTURE	C11884920
21	DSOUZA SIMRAN	12019097738	ACCENTURE	C11901700
22	AVANTIKA LADWANE	12019097744	PERSISTENT	Persistent/Campus/2146755/3.0
23	VAIBHAVI GAWAS	12019097745	CIMPRESS	CIMPRESS/ VAIBHAVI GAWAS/7-8-2023
24	VAISHNAVI PATHADE	12019097733	CIMPRESS	CIMPRESS/ VAISHNAVI PATHADE /7-8-2023
25	PRAJAKTA THORAT	12019097666	HURON	HURON/ PRAJAKTA THORAT /18-12-2023
26	ISHA MISHRA	12019097669	NTT DATA	NTT DATA/ ISHA MISHRA/11-11-2022
27	RUTUJA GHADLE	12020254148	PERSISTENT	Persistent/Campus/2148163/3.0
28	MANJIRI KSHATRIYA	12019097752	PERSISTENT	Persistent/Campus/2181559/3.0
29	MANALI CHAVAN	12018293320	STRIDELY SOLUTIONS	STRIDELY SOLUTIONS/ MANALI CHAVAN / 6-3-2023
30	PRIYANKA KORADKAR	12020254149	STRIDELY SOLUTIONS	STRIDELY SOLUTIONS/ PRIYANKA KORADKAR/ 6-3-2023
31	SAKSHI RAJESH BANGAR	12019097725	YARDI SOFTWARE INDIA PVT. LTD.	YARDI SOFTWARE INDIA PVT. LTD./ SAKSHI RAJESH BANGAR /13-9-2023

32	ROHINI MARGANE	12019097768	L&T TECHNOLOGY SERVICES	LTTS/HR/ET/2023-24/1254
33	GRUNTHALI TULASKAR	12020254128	L&T TECHNOLOGY SERVICES	LTTS/HR/ET/2023-24/1256
34	PRIYANKA JADHAV	12019097739	KPIT	KPIT/ PRIYANKA JADHAV /10-11-2023
35	GARIMA GUPTA	12019097747	NIELSENIQ	NIELSENIQ/GARIMA GUPTA/16-1-2023
36	AKANKSHA PATIL	12020254152	AMDOCS	AMDOCS/AKNKSHA PATIL/10-10-2022
37	ADITI TAKALKAR	12019097762	TATA TECHNOLOGIES	TATA TECHNOLOGIES/ ADITI TAKALKAR
38	AISHWARYA SIDDHESHWAR GAIKWAD	12020254154	FIGMD (INDIA) PRIVATE LIMITED	APP/FI1869/2024
39	PRITI KARANJEKAR	12019097750	PITNEY BOWES INDIA PVT. LTD.	PITNEY BOWES INDIA PVT. LTD. / PRITI KARANJEKAR
40	PRANJAL CHAUDHARI	12020254141	TCS DIGITAL	TCSL/CT20223995513/1958304/Pune

Assessment Year Name : CAYm3

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	NARALWAR SAKSHI	12019097774	PMK NETWORKS PRIVATE LIMITED	PMK NETWORKS PRIVATE LIMITED / NARALWAR SAKSHI/ 5-5-2022
2	PATIL PRANJAL SHALIGRAM	12019097777	CAPGEMINI	1598742
3	TANVI KATHED	12019097798	VODAFON INDIA SERVICES PVT. LTD.	VODAFON INDIA SERVICES PVT. LTD/ TANVI KATHED/15-06-2022
4	GARIMA SRIVASTAV	12018293314	PERSISTENT	Persistent/Campus/1388369/3.0
5	KONDE RUTUJA	12018293307	PERSISTENT	Persistent/Campus/1385510/3.0
6	HINGE NETRA SANTOSH	12018293336	ACCENTURE	ACCENTURE / HINGE NETRA SANTOSH
7	JAMDADE PRANALI PANDIT	12018293338	ACCENTURE	C10941568
8	SOMVANSHI RUTUJA KISHOR	12019097806	ACCENTURE	C10941569
9	DESAI PRIYANKA ANIL	12019097785	ACCENTURE	C10941570
10	BHANDURGE VASUDHA	12018293333	ACCENTURE	C10941571
11	MAJGE JANHAVI DHARMENDRA	12018293308	ACCENTURE	C10941572
12	BHOSALE ANUJA ANIL	12019097793	ACCENTURE	ACCENTURE / BHOSALE ANUJA ANIL
13	AISHWARYA MUNESHWAR	12017027988	ACCENTURE	C10941575
14	PATIL YUKTA RAVINDRA	12019097804	ACCENTURE	C10941563
15	DHOPE VARSHA HAIBAT	12018293337	CAPGEMINI	1431840
16	DESHMUKH SANYUKTA SANJAYRAO	12018293322	CAPGEMINI	1598689
17	ZUNJUR AAYUSHKA VILAS	12018293327	CAPGEMINI	1412929
18	BHOIR KRUPALI RAJENDRA	12018293304	CAPGEMINI	1600331
19	RANU KUMARI	12018293331	SYNECHRON TECHNOLOGIES PVT. LTD.	SYNECHRON TECHNOLOGIES PVT. LTD./RANU KUMARI /5-05-2023
20	LAKHE MANISHA GANESH	12019097807	CAPGEMINI	1598698
21	CHILLARGE RAJESHWARI SUBHASH	12018293329	CAPGEMINI	1533404
22	WAGH KANCHAN SANJAY	12019097783	WIPRO	WIPRO/ WAGH KANCHAN SANJAY /12-07-2022
23	MORE JANHAVI PRABHAKAR	12018293318	WIPRO	WIPRO/MORE JANHAVI PRABHAKAR/12-10-2021
24	BODHE AISHWARYA SANJAY	12018293321	ACCENTURE	C10941574
25	AHER SANJANA ARVIND	12019097795	EINFOCHIPS	EINFOCHIPS / AHER SANJANA ARVIND
26	SHRADDHA MURLIDHAR DESHMUKH	12019097805	EINFOCHIPS	EINFOCHIPS/SHRADDHA MURLIDHAR DESHMUKH
27	GOUD SUMAT JITENDRA	12018293317	WIPRO	WIPRO / GOUD SUMAT JITENDRA
28	HARSHITA KISHORE GARGE	12017028001	WIPRO	WIPRO/ HARSHITA KISHORE GARGE /23-12-2021
29	ITHAPE ROHINI VIJAY	12019097778	WIPRO	WIPRO/ ITHAPE ROHINI VIJAY /12-10-2021
30	ROHONI BHIMRAO SAWANT	12019097792	ATOS	ASB22291715
31	DHASADE PRIYANKA DILIP	12019097782	EINFOCHIPS	EINFOCHIPS/ DHASADE PRIYANKA DILIP

32	BERAD SAKSHI ANKUSH	12019097802	EURONET	EURONET/ BERAD SAKSHI ANKUSH/14-12-2021
33	PRACHI CHIDANAND KALADEEP	12019097781	EURONET	EURONET/ PRACHI CHIDANAND KALADEEP /14-12-2021
34	DEORE HARSHADA HANSRAJ	12019097808	EURONET	EURONET / DEORE HARSHADA HANSRAJ/14-12-2021
35	SALUNKHE KIRTI BAJIRAO	12019097799	EURONET	EURONET/ SALUNKHE KIRTI BAJIRAO /14-12-2021
36	SAWALE GAYATRI DHANANJAY	12018293334	VODAFONE VOIS	VOIS/ SAWALE GAYATRI DHANANJAY /21-3-2022
37	SHITOLE SANUJA SANJAY	12018293298	VODAFONE VOIS	VOIS/ SHITOLE SANUJA SANJAY /13-4-2022
38	NIKAM UTKARSHA SAHEBRAO	12019097784	MSYS TECHNOLOGIES	MSYS TECHNOLOGIES / NIKAM UTKARSHA SAHEBRAO/1-2-2022
39	KOLHE DIVYANGI SANJAY	12018293326	MSYS TECHNOLOGIES	MSYS TECHNOLOGIES / KOLHE DIVYANGI SANJAY /1-2-2022
40	KOYALE SHRADHA SANJAY	12019097790	MSYS TECHNOLOGIES	MSYS TECHNOLOGIES / KOYALE SHRADHA SANJAY/2-2-2022
41	TULASI DNYANESHWAR MORE	12017027979	VODAFONE VOIS	VOIS / TULASI DNYANESHWAR MORE /23-12-2021
42	DHOKTE PRITI GANESH	12019097800	VODAFONE VOIS	26170870
43	OGALE CHAITRALI GANESH	12018293315	VODAFONE VOIS	VOIS/ OGALE CHAITRALI GANESH /21-3-2022
44	SHIPANKAR SWAPNALI DEVIDAS	12018293300	WIPRO	WIPRO/ SHIPANKAR SWAPNALI DEVIDAS /18-1-2022
45	DHAMALE SANSKRUTI RAVINDRA	12018293305	L&T SERVICES	LTTS/HR/ET/2022-23/11821
46	DAHIPHALKAR APURVA SURENDRA	12019097794	L&T SERVICES	LTTS/HR/ET/2022-23/11818
47	AISHWARYA DILIP MORE	12017027977	L&T SERVICES	LTTS/HR/ET/2022/Mysore/0790
48	NEHA DEVANAND PANDHARE	12016067102	L&T SERVICES	LTTS/HR/ET/2022/Mysore/0902
49	DEEPALI BHAGWAN DHEBE	12017028002	VOIS	VOIS/ DEEPALI BHAGWAN DHEBE
50	BAVKAR BHAGYASHRI JANARDAN	12019097786	COGNIZANT	COGNIZANT/BAVKAR BHAGYASHRI JANARDAN /12-10-2021
51	JOSHI SANCHITA CHANDRAKANT	12019097776	CAPGEMINI	6199108/1438484
52	SHAURYA PURAN RAINA	12017027972	NVIDIA	NVIDIA/SHAURYA PURAN RAINA

4.6 Professional Activities (20) Total Marks 17.00

4.6.1 Professional socities/ chapters and organizing engineering events (5)

Institute Marks : 4.00

A. Availability and Activities of Professional societies/chapters

BV College of Engineering ACM-W Student Chapter

The Department of Information Technology proudly runs the ACM-W Student Chapter under the name "BV College of Engineering ACM-W Student Chapter**,"** established in the year 2015. The chapter is coordinated by Prof. Ashwini Kanade. The chapter comprises 14 ACM student members, 2 professional members, 6 student officers, and one professional member serving as the faculty sponsor, with a total of 201 student chapter members.

The Association for Computing Machinery (ACM) is the world's largest educational and scientific computing society. It provides a vast array of tools and resources to advance computing as a science and profession. ACM supports career development and enriches knowledge through lifelong learning opportunities.

Objectives of the ACM-W Student Chapter:

- To promote awareness and interest in computing, particularly among women students.
- To enhance technical and professional skills through hands-on events and activities.
- To encourage student leadership and teamwork through active participation in chapter operations.
- To foster participation in ACM events at national and international levels.

Outcomes of the ACM-W Student Chapter:

- The ACM-W Student Chapter develops leadership, collaboration, and organizational skills by involving students in planning and executing chapter activities.
- It facilitates national and international exposure by encouraging and supporting student participation in ACM-affiliated events and competitions.
- It provides access to ACM resources, including e-newsletters and educational resources
- It promotes awareness and engagement in computing, particularly among women students, by encouraging their active participation in chapter initiatives.

Chapter Activities:

Under this student chapter, we organize various academic and professional activities such as: Eminent Speaker Sessions, Seminars/ Workshops, Project Exhibition etc. These activities are mapped to Program Outcomes PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, PO11, and PO12, along with Program Specific Outcomes PSO1, PSO2, and PSO3.

Our students actively participate in events such as the ACM-W Women Hackathon and the Celebration of Women in Computing, organized by other ACM student chapters, thereby contributing to a collaborative computing community. Additionally, chapter members are eligible to receive ACM's popular E-Newsletters, keeping them informed about the latest trends, research, and opportunities in the computing field.

Table 4.6.1.1 ACM-W Student Chapter Activities Details

Sr. No.	Date	Event Type (Seminar/ Workshop)	Name of Event/Activity	Name and Address of Resource Person	Organized For	No. of Students
A.Y. 2024-25						
1	1 Oct, 2024	Seminar	A Framework to Start Writing Your Own OS	Dr. Abhijat Vichare, Consultant, compilers and system software, Corporate Technical Training	TE IT	57
2	18 Mar, 2025	Workshop	Commit to Git: A Beginners Guide to GitHub	Samiksha Pardeshi, Prachi Thakor, and Chetana Patil, TE IT Students	SE IT	49
A.Y. 2023-24						
1	18 Oct, 2023	Seminar	Introduction to Context free Grammar and Languages	Ms. Yogita Khalate and Ms. Ghanishtha Rane, Ms. Samta Bora and Ms. Sneha Salunke, BE IT Students	TE IT	49

2	04 Apr, 2024	Project Exhibition	INNERVE (Project Exhibition)	1. Dr. Arti Agarkar, Associate Prof., VIT, Pune 2. Dr. Sandip Thite, Asst. Prof. & HOD, Dept of Computer Engineering, VU, Pune 3. Dr. Prakash Sharma, Director, Passion Infotech Pvt. Ltd. 4. Prof. Namita Shinde, Asst. Prof., E&TC Dept., BVDUCOE, Pune 5. Prof. Chetan More, Asst. Prof., E&TC Dept., BVDUCOE, Pune 6. Dr. Sudhir Kadam, Asst. Prof., E&TC Dept., BVDUCOE, Pune	Computer Engineering, IT, E&TC, and Sister branches of Engineering Colleges from Maharashtra State	63 Groups
A.Y. 2022-23						
1	18 Oct, 2022	Webinar	Security and Trust	Kaarthik Sivakumar, Principal Engineer, Cisco Systems, Bangalore	SE and TE IT	76
2	23 Mar, 2023	Seminar	SMAC Technologies and the Future	Mr. Ajay Deshpande, Senior Director, Icertis	SE and TE IT	98
A.Y. 2021-22						
1	10 Jul, 2021	Webinar	How to Prepare for Technical Interview	Ms. Nayan Wandile, Ms.Sakshi Singh, Ms. Pooja Veer, Ms. Shweta Rajoria, Alumni, BVCOEW, Pune and Engineer Trainee (Pega Developer),Vodafone India Pvt. Ltd. Software Engineer, ssociate Software Development Engineer, Emtec Technologies, Persistent System Limited, Software Engineer, Persistent System Limited)	TE IT	75
2	3 Sep, 2021	Webinar	Fun with Algorithms	Dr. Sachin Lodha, Principal Scientist, Tata Consultancy Services, Pune	SE, TE and BE IT	148
3	1 Apr, 2022	Webinar	Game Theory for the Internet Age	Dr. R. Ramanujam, Professor, Institute of Mathematical Sciences, Chennai	SE, TE and BE IT	170

B. Number, Quality of Engineering Events (organized at Institution)

Information Technology Student Association (ITechSA)

The Information Technology Student Association (ITechSA) is a vibrant and proactive student body functioning under the Department of Information Technology. It acts as a bridge between students, faculty members, and industry professionals, offering students a platform to enhance both their technical and non-technical skills through active participation.

Through events like workshops, guest lectures, and community service, ITechSA nurtures a culture of innovation and collaboration, empowering students to emerge as competent professionals and responsible individuals. These activities are mapped to Program Outcomes PO1, PO2, PO5, PO8, PO9, PO10, PO11 and PO12, along with Program Specific Outcomes PSO1, PSO2, and PSO3.

Objectives of ITechSA

- To foster technical excellence by exposing students to emerging tools, technologies, and trends in IT.
- To enhance leadership, teamwork, and communication skills among students.
- To provide opportunities for hands-on learning through workshops, projects, and live demonstrations.
- To build strong industry-academia connections via guest lectures, tech talks, and alumni interactions.

- To encourage ethical and socially responsible behavior in technology use.
- To promote inclusivity and diversity within the technical community.
- To support entrepreneurial thinking and innovation among students.
- To organize academic and co-curricular events that cater to both skill development and holistic growth.

Outcomes of ITechSA Activities

- Students demonstrate increased technical proficiency in trending domains like AI, ML, cybersecurity, and cloud computing.
- Improved public speaking, event coordination, and leadership skills among student volunteers and office bearers.
- Stronger networking opportunities with industry experts and alumni.
- Students gain real-world perspectives through hands-on activities

Table 4.6.1.2 ITechSA Activities Details

Sr. No.	Date	Type of Event	Name of the Activity	Name and Address of Resource Person	Organised For	No. of Students
A.Y. 2024-25						
1	18/07/2024	Seminar	Data Structures	Mr. Nagesh Mhetre, Director, Click In Computers, Pune-411043	SE(IT)	53
2	30/07/2024	Seminar	An appeal regarding Metabolic Health	Dr. Poonam Gupte, Senior Research Assistant at IRSHA BVDU, Pune-411043	SE(IT), TE(IT)	111
3	02/08/2024	Seminar	100% Scholarship for Studying Abroad and Future Career Opportunities	Mr. Subhas Pol, Edwise International, Pune	TE(IT)	54
4	14/09/2024	Webinar	Cybersecurity fundamentals & how to ignite your career in Cybersecurity	Mr. Charu Pelnekar, CEO & Founder CSCCOUNCIL.org & ICET.ai	SE(IT), TE(IT)	89
5	20/09/2024	Seminar	Higher Education and Career Opportunities Abroad	Ms. Leena Mohile, Destination Head, Study Smart.	TE(IT), BE(IT)	79
6	21/09/2024	Seminar	Importance of Meditation in our Life	Mr. Dhananjay Kulkarni, Centre Coordinator, Dhankawadi Branch Happy Thoughts, Tej Gyan Foundation	SE(IT), TE(IT)	75
7	30/01/2025	Seminar	International education and career Pathways Abroad	Ms. Leena Mohile, Study Abroad Expert, Study Smart.	TE(IT), BE(IT)	77
8	20/03/2025	Workshop	A hands-on Workshop on AI, IoT and Automation	Ms. Smita Amale, Center Manager CADD CAREER Pune.	SE(IT), TE(IT), BE(IT)	137
9	16/04/2025	Seminar	Significance of Learning the German Language	Mr. Dipak Nakate, Shree Datta Language Classes, Dattanagar, Pune- 411046	TE(IT)	42
A.Y. 2023-24						
1	8/21/2023	Workshop	AWS Discovery Day-Cloud Workshop	Mr. Pranav Phadke & Mr. Ameya Vaidya, Brainfloss Pvt Ltd, A 101, Century Society, Kothrud, Pune-411038	TE(IT)	66

2	8/23/2023	Seminar	Data Structures	Mr. Nagesh Mhetre, Click-in Computers, Pune-411043	SE(IT)	53
3	8/28/2023	Seminar	BSE Capital Market Awareness	Prof. Arvind Sawant, Lotus knowledge wealth Pvt. Ltd.	TE(IT)	46
4	9/7/2023	Seminar	Introduction to ML	Prof. Ashwini D. Khairkar, Dept of Information Technology, BVCOEW, Pune-411043	SE(IT)	50
5	10/5/2023	Seminar	Internet of Things	Prof. Savita A Itkarkar, Department of Electronics & Telecommunication, BVCOEW, Pune-411043	TE(IT)	64
6	10/01/2024	Seminar	Placement Assistance for batch 2024	Mr. Aditya Wakodkar, Client Relation Manager	BE(IT)	35
7	01/02/2024	Seminar	Career Opportunities in Biomedical Engineering Field	Mrs. Vaishnavi Banke, Medifacts Inc, Pune	BE(IT)	22
8	09/02/2024	Seminar	Grooming Program On Cyber Security As per the Industry Standards	Mr.Manish Singh, Manager-Services Sales, Inflow Technologies Pvt. Ltd.	SE(IT)	54
9	09/02/2024	Seminar	Grooming Program On Cyber Security As per the Industry Standards	Mr.Manish Singh, Manager-Services Sales, Inflow Technologies Pvt. Ltd.	TE(IT)	50
A.Y. 2022-23						
1	30/08/2022	Seminar	Programming Techniques	Mr. Nagesh Mhetre, Click in Computers	SE(IT)	47
2	07/09/2022	Seminar	Study Abroad Opportunities (Foreign Languages)	Mr. Anand Bannatkar, ASAP (As Soon As Possible) Foreign Languages Institute	SE(IT)	40
3	16/09/2022	Seminar	Career opportunities in Indian Armed Forces for women-come join the team	Group Captain Sanjay Pethkar (Retd)	SE(IT)	44
4	16/09/2022	Seminar	Higher Studies Abroad and Further Opportunities and IELTS	Mr. Yogesh Ranga and Mr. Rahul Kamble	TE (IT)	50
5	23/09/2022	Seminar	Career Opportunities in IT	Mr. Mohan Dhanve, IANT J. M. Road Pune 1st Floor, Laxmi Sadan, Opp. Kalmadi Petrol Pump, Above Arrow Showroom, J.M. Road Pune-411004	SE (IT), TE(IT)	94
6	14/10/2022	Seminar	How can students get 100% scholarship to study abroad	Mr. Subhash Pol, BDM, Edwise International, Pune	TE(IT), BE(IT)	74
7	06/02/2023	Seminar	Higher Education and Career Opportunities	Ms. Vinisha Sunil Chavan (Study Abroad -Team Lead) Study Smart, 307, Insignia Building, Pune 411001	BE(IT)	26

8	25/02/2023	Webinar	Training Demo of Aptitude and Technical Training.	Mr Vivek and Mr. Pratyus Pratye Seventh Sense,Talent Solutions #26, 1st A cross, 3rd Phase, 5th block, 3rd stage, Banashankari, Banglore, 560085	TE(IT)	44
9	09/03/2023	Webinar	Training Demo of Aptitude and Technical Training(Seventh Sense Talent Solution)	Mr. Vivek and Mr. Saqlain Shariff Seventh Sense, Talent Solutions #26, 1st A cross, 3rd Phase, 5th block,3rd stage, Banashankari, Banglore, 560085	SE(IT), BE(IT)	69
10	11/03/2023	Webinar	Training demo by Carpe Diem Boot Camp	Mr. Avinash Pathak Carpe Diem Boot Camp B-102, Kirti Elgant, Mahalunge, Pune 411045	TE(IT)	54
11	21/03/2023	Webinar	Training Demo by Eduplus	Mr. Sachin Satpute and Mr. Vishal Mohurle Eduplus 34A/1, Suyog Center, 6th floor, Market Yard Road, Gultekdi, Pune 411037	TE(IT)	32
12	25/03/2023	Webinar	Coding Super Power: Go Easy with C++ and Logic Building	Bhakti Jagtap, Director, Bright Sea Technology Pvt. Ltd. Office No 504, Amanora Chambers, opposite SEASONS MALL, Amanora Park Town, Hadapsar, Pune, Maharashtra 411028	SE(IT)	42
13	29/3/2023	Guest Lecture	Computer Network and Security	Prof. Dr. Sandip Thite Vishwakarma University, Pune	TE(IT)	75
14	02/07/2023	Webinar	Training demo by Campus Credentia	Mr. Vishwajeet Dhuppe & Mr. Prashant Jha Campus Credential	TE(IT)	45
A.Y. 2021-22						
1	24/08/2021-25/08/2021	Workshop	Data Structures and Algorithms	Mr. Swapnil Gupta and Mr.Shantanu Shubham Coding Ninjas	TE (IT), BE(IT)	138
2	31/08/2021	Webinar	Profile Building and Career Opportunities	Mark Brandon Vernum Career Architect and Strategic Partnerships – Careerlabs	TE(IT)	60
3	22/09/2021	Webinar	Machine Learning	Mr. Manish Singh Head-Institutional Sales, ATS Learning Solutions.	SE (IT), TE(IT)	43
4	30/09/2021	Webinar	Internship for developing the portfolio	Mr. Sachin Mohite, Executive Director SPACE for ECE.	TE(IT)	54
5	25/11/2021	Webinar	Spoken English	Ms. Kirti S. Bajaj Certified soft skill Trainer & Coach, Flamingo learnings.	TE(IT)	42
6	2/11/2022	Workshop	Excellence bytes	Mr. Aashish Jain, Carpe Diem Boot Camp, (B-102, Kirti Elegant ,Mahalunge, Pune-411045, Maharashtra, India)	TE(IT), BE(IT)	144
7	2/15/2022	Workshop	Excellence bytes	Mr. Aashish Jain, Carpe Diem Boot Camp, (B-102, Kirti Elegant ,Mahalunge, Pune-411045, Maharashtra, India)	SE(IT)	65
8	3/25/2022	Seminar	Engineering is Awesome	Mr. Raghvan Koli (Founder & Author, Motivational Speaker)	SE(IT)	50
9	3/26/2022	Seminar	Basics of journal paper writing & publishing	Mr. Makarand Velankar (MKSSSs Cummins College of Engineering for Women, Pune)	BE(IT)	41
10	3/31/2022	Seminar	Applications of Data Structures	Mr. Nagesh Mhetre (Click in Computers, Pune)	SE(IT)	71

4.6.2 Publication of technical magazines, newsletters, etc. (5)

Institute Marks : 4.00

A] Quality and Relevance of the Contents and Print Material and

B] Participation of Students from the Program

Publication of Technical Magazine:

The magazine activity is mapped with the following Program Outcomes (POs): PO6, PO8, PO9, PO10, and PO12.

Table 4.6.2.1 Technical Magazine Publication Details

Sr. No.	Name of Magazine	Name of editor	Editorial Board	No. of issues	Hard copy/ Soft copy
A.Y. 2023-24					
1	Avyanna Oyster'24	Prof. P.R. Yawle	Prof. N.A.Mulla, Prof. M.A.Rane, Prof. S.A.Sagar, Prof. S.A.Hadke, Sanchita Sawai (TE IT), Shruti Waghmare (TE IT), Mansi Shinde (TE IT), Neha Sutarve (TE IT), Parnavi Pipaliya (TE IT), Apurva Nangare (TE IT), Megha Salunkhe (TE IT), Trupti Yadav (TE IT), Mariyam Boxwala (TE IT), Saee Datar (TE IT), Shruti Surdi (TE IT), Suhani Hawaldar (TE IT)	Yearly	Yes
A.Y. 2022-23					

1	Abhiyanta Oyster'23	Prof. P.R. Yawle	Prof. N.A.Mulla, Prof. M.A.Rane, Prof. S.A.Sagar, Prof. S.A.Hadke, Ghanishta Rane (TE IT), Yogita Khalate (TE IT), Smiti Chandwadkar (TE IT), Vaishnavi Patil (TE IT), Kalyani Kulkarni (TE IT), Utkarsha Kakade (TE IT), Diksha Raina (TE IT)	Yearly	Yes
A.Y. 2021-22					
1	Anitya Oyster'22	Prof. Y.R. Dhumal	Prof. N.A.Mulla, Prof.M.A.Rane, Prof.S.A.Sagar, Prof.S.A.Hadke, Prof. A. V. Kanade, Prof. K.V. Patil, Chaitali Nigade (FE IT), Manasvi Pudale (FE IT), Lakshita Panchbhai (FE IT), Shruti Sakare (FE IT), Shreya Sakare (FE IT), Shruti Waghmare (FE IT), Anushka Bhagat (FE IT), Devanshi Kaushal (FE IT), Parnavi Pipaliya (FE IT), Mariyam Boxwala (FE IT), Charul Jagtap (FE IT), Prayuja Patil (FE IT), Trupti Yadav (FE IT), Shruti Waghmare (FE IT), Svarupa Kadam (FE IT), Poonam Rajebhosale (FE IT)	Yearly	Yes

Publication of E-Newsletter:

Department Newsletter

The Department of Information Technology proudly publishes a bi-annual e-newsletter that captures the vibrant academic, technical, and creative spirit of the department. This digital publication serves as a comprehensive reflection of the departments milestones, highlighting significant events, activities, and achievements of our students, faculty, and staff.

Released at the beginning of each semester, the e-newsletter provides a snapshot of all key initiatives and accomplishments from the previous semester. It includes updates on events conducted at both the institute and departmental levels, fostering a sense of unity and shared purpose across the academic community.

Key Highlights of the e-Newsletter:

- Bi-annually published
- Updates on College Initiatives and developments
- Insights from the IQAC (Internal Quality Assurance Cell)
- Overview of Information Technology Department activities
- Reports on major technical events and workshops
- Guest technical articles from employers and parents
- Alumni contributions on emerging technologies and industry trends
- Recognition of faculty, staff, and student achievements
- Detailed insights into student placement records and success stories

The editorial board, comprising both faculty and student contributors, curates the content with creativity and care to ensure quality and relevance.

This initiative strengthens the communication bridge between the institute and its stakeholders—students, faculty, staff, alumni, parents, and industry professionals—fostering engagement, transparency, and collaborative growth. The activities under e-newsletter are mapped to Program Outcomes (POs) PO7, PO8, PO9, PO10, and PO12.

Editorial Board: Comprising department faculty and students. They are responsible for content creation, editing, and design at the department level.

Coordinator: Prof. Dr. D. A. Godse

The Coordinator is responsible for the final compilation of the e-newsletter and its dissemination among stakeholders.

Publisher: Bharati Vidyapeeth's College of Engineering for Women, Pune

Table 4.6.2.2 Departmental e-Newsletter Publication Details

Sr. No.	Newsletter Issue	Newsletter Coordinator	Editorial Board	Hard copy/ Soft copy
A.Y. 2023-24				
1	e-newsletter, Dept. of IT, Vol.6, Issue 2, 2023-24	Prof. Dr. D. A. Godse	Prof. N. A. Mulla (Chief Editor), Prof. K. V. Patil (Editor), Prof. D. P. Chopade (FE Staff), Dr. Smita Jadhav (FE Staff), Shruti Lad (BE IT Student Member), Rutuja Chatur (BE IT Student Member), Saee Datar (TE IT Student Member), Radhika Dhangare (TE IT Student Member), Chaitali Deshmukh (SE IT Student Member), Gayatri Kharat (SE IT Student Member)	Yes

2	e-newsletter, Dept. of IT, Vol.6, Issue 1, 2023-24	Prof. N. A. Mulla	Prof. N. A. Mulla (Chief Editor), Prof. K. V. Patil (Editor), Prof. D. P. Chopade (FE Staff), Dr. Smita Jadhav (FE Staff), Shruti Lad (BE IT Student Member), Rutuja Chatur (BE IT Student Member), Saee Datar (TE IT Student Member), Radhika Dhangare (TE IT Student Member), Chaitali Deshmukh (SE IT Student Member), Gayatri Kharat (SE IT Student Member)	Yes
A.Y. 2022-23				
1	e-newsletter, Dept. of IT, Vol. 5, Issue 2, 2022-23	Prof. Dr. D. A. Godse	Prof. N. A. Mulla (Chief Editor), Prof. K. V. Patil (Editor), Prof. D. P. Chopade (FE Staff), Dr. Smita Jadhav (FE Staff), Mandira Rai (BE IT Student Member), Sonakshi Shende (BE IT Student Member), Shruti Lad (TE IT Student Member), Rutuja Chatur (TE IT Student Member), Saee Datar (SE IT Student Member), Radhika Dhangare (SE IT Student Member)	Yes
2	e-newsletter, Dept. of IT, Vol. 5, Issue 1, 2022-23	Prof. Dr. D. A. Godse	Prof. S. B. Dhuttargi (Chief Editor), Prof. N. A. Mulla (Editor), Prof. D. P. Chopade (FE Staff), Dr. Smita Jadhav (FE Staff), Mandira Rai (BE IT Student Member), Sonakshi Shende (BE IT Student Member), Shruti Lad (TE IT Student Member), Rutuja Chatur (TE IT Student Member), Saee Datar (SE IT Student Member), Radhika Dhangare (SE IT Student Member)	Yes
A.Y. 2021-22				

1	e-newsletter, Dept. of IT, Vol. 4, Issue 2, 2021-22	Prof. Dr. D. A. Godse	Prof. S. B. Dhuttargi (Chief Editor), Prof. N. A. Mulla (Editor), Prof. N. N. Chavan (FE Staff), Prof. D. P. Chopade (FE Staff), Vrushali Phatale (BE IT Student Member), Sumat Goud (BE IT Student Member), Mandira Rai (TE IT Student Member), Sonakshi Shende (TE IT Student Member), Shruti Lad (SE IT Student Member), Rutuja Chatur (SE IT Student Member)	Yes
2	e-newsletter, Dept. of IT, Vol. 4, Issue 1, 2021-22	Prof. Dr. D. A. Godse	Prof. S. B. Dhuttargi (Chief Editor), Prof. N. A. Mulla (Editor), Prof. N. N. Chavan (FE Staff), Prof. D. P. Chopade (FE Staff), Vrushali Phatale (BE IT Student Member), Sumat Goud (BE IT Student Member), Mandira Rai (TE IT Student Member), Sonakshi Shende (TE IT Student Member), Shruti Lad (SE IT Student Member), Rutuja Chatur (SE IT Student Member)	Yes

Quality and Relevance of the Contents and Print Material

Magazine:

- The annual magazine serves as a comprehensive record of technical, academic, and co-curricular activities and achievements over the academic year.
- It features technical articles, innovations, faculty publications, event reports, and creative expressions.
- The magazine reflects the institutes and department's mission and vision through well-structured, high-quality content that supports holistic development.
- Relevance is maintained through inclusion of emerging technologies, ethical themes, and societal contributions in line with POs.

E-Newsletter:

- The department e-newsletter is published twice a year and highlights departmental initiatives, technical events, workshops, expert talks, and placement success.
- It includes contributions from alumni, parents, and industry experts, ensuring alignment with current trends and Program Outcomes (PO7, PO8, PO9, PO10, PO12).
- Content is curated and reviewed by a faculty-student editorial board to maintain quality, accuracy, and relevance.
- The format and language are professional and accessible, promoting stakeholder engagement and showcasing student-centric activities.

Participation of Students from the Department

Magazine:

- Students contribute technical articles, technical events documentation.
- They play an active role in editorial planning, compilation, and creative design.
- The magazine offers a platform to showcase student talent, improving confidence and presentation skills (PO10).
- Participation encourages collaboration, time management, and professional ethics (PO8, PO9).

E-Newsletter:

- Students are core members of the editorial team, involved in drafting content, layout design, and collecting reports from stakeholders, peers and faculty.
- Through this, they develop teamwork (PO9), communication (PO10), and ethical understanding (PO8).
- Students contribute articles, event reports, actively reflecting their technical and professional growth.
- Involvement fosters responsibility, leadership, and continuous learning (PO12).

4.6.3 Participationininter-institute events by students of the program of study (10)

Institute Marks : 9.00

A. Events Within the State

Table 4.6.3.1 Students' Participation in Events Within the State

(Program Outcomes mapped: PO1, PO2, PO3, PO5, PO6, PO7, PO8, PO9, PO10, PO11, and PO12; and Program Specific Outcomes mapped: PSO1, PSO2, and PSO3)

Sr. No.	Name of the Student	Level (Local/ University/ State/ National/ International)	Name of Activity	Date	Organized By
A.Y. 2024-25					
1	Mariyam Boxwala	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
2	Apurva Nangare				
3	Trupti Yadav				
4	Sanika Bhosale	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
5	Shamal Bhujbal				
6	Dhokate Priyanka				
7	Kamble Sambodhi	National	11th National Level Project Competition an Exhibition Convene-25	17-4-2025	Sinhgad Technical Education Society
8	Sarode Akshada				
9	Shitole Samruddhi				
10	Yadav Kajal				
11	Arya Kesharwani	University	Techmanthan-2025	28-1-2025 & 29-1-2025	JSPM
12	Devanshi Koushal				
13	Lakshita Panchbhai				
14	Shreya Dhadse				
15	Arya Kesharwani	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
16	Devanshi Koushal				
17	Lakshita Panchbhai				
18	Shreya Dhadse				

19	Saee Datar	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
20	Sakshi Deshmukh				
21	Arpita Dhage				
22	Shruti Deshmukh	Zonal	Avishkar-2024	24-11-2025	Annasaheb Magar Mahavidyalaya
23	Pudale Manasvi				
24	Shruti Deshmukh	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
25	Svarupa Kadam				
26	Pudale Manasvi				
27	Waghmare Shruti				
28	Shriya Lakhe	State	DIPEX-2025	3-4-2025 to 6-4-2025	COEP Technological University, Pune
29	Srushti Mule				
30	Megha Salunke				
31	Vaishnavi Waykaskar				
32	Srushti Mule	Zonal	Avishkar-2024	26-11-2025	Annasaheb Magar Mahavidyalaya
33	Vaishnavi Waykaskar				
34	Reshma Ramesh Markad	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
35	Tanuja Anil Misal				
36	Pallavi Bhimrao Patil				
37	Shreya Suresh Pol				
38	Radhika Dhangare	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
39	Gayatri Mahabudhe				
40	Prayuja Patil				
41	Pooja Gangane				
42	Aishwarya Jagtap	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
43	Pranjal Parwekar				
44	Parnavi Pipaliya				
45	Poonam Rajebhosale				

46	Aishwarya Jagtap	University	Techmantra 2025	11-3-205 & 12-3-2025	Zeal Institute
47	Pranjal Parwekar				
48	Parnavi Pipaliya				
49	Poonam Rajebhosale				
50	Aishwarya Jagtap	University	Navonmesh 2025	17-3-2025 & 18-3-2025	DES Pune University
51	Pranjal Parwekar				
52	Parnavi Pipaliya				
53	Poonam Rajebhosale				
54	Aishwarya Jagtap	National	National Level Project Competition – 2025 (NLPC-25)	01-03-2025	Sinhgad College of Engineering, Pune
55	Pranjal Parwekar				
56	Parnavi Pipaliya				
57	Mayuri Das	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
58	Charul Jagtap				
59	Shreeya Kulkarni				
60	Kirti Pawar				
61	Komal Girhe	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
62	Vaishnavi Latore				
63	Amruta Sharnangat				
64	Suhani Havaldar				
65	Komal Girhe	National	11th National Level Project Competition an Exhibition Convene-25	17-4-2025	Sinhgad Technical Education Society
66	Vaishnavi Latore				
67	Amruta Sharnangat				
68	Suhani Havaldar				
69	Dhanashri Hogale	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
70	Gayatri Kedari				
71	Aishwarya kele				
72	Dhanashri Hogale	National	11th National Level Project Competition an Exhibition Convene-25	17-4-2025	Sinhgad Technical Education Society
73	Gayatri Kedari				
74	Aishwarya kele				

75	Chaitali Nigade	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
76	Shreya sakare				
77	Shruti sakare				
78	Mayuri salunkhe				
79	Karkande Rutuja	National	11th National Level Project Competition an Exhibition Convene-25	17-4-2025	Sinhgad Technical Education Society
80	Kharade vaishali				
81	Pranali sonawane				
82	Pratiksha Taral				
83	Sanchita Sawai	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
84	Mansi Shinde				
85	Shruti Surdi				
86	Neha Sutrave				
87	Anushka Bhagat	State	DIPEX-2025	07-03-2025	PCMC College of Engineering & Research, Ravet, Maharashtra
88	Gargee Singh				
89	Nisha Kajave				
90	Pragati Kakade				
91	Avhad Chaitali	National	11th National Level Project Competition an Exhibition Convene-25	17-4-2025	Sinhgad Technical Education Society
92	Bagwan Saniya				
93	Shaikh Alnaaz				
94	Shelke Nikita				
95	Radhika Bhoite	National	11th National Level Project Competition an Exhibition Convene-25	17-4-2025	Sinhgad Technical Education Society
96	Sharayu Kadam				
A.Y. 2023-24					
1	Prajwal Said	State	Maharashtra Student Innovation Challenge, 2023	10-09-2023	Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.
2	Nupur Agrawal				
3	Srushti Bhoite				
4	Sayali Shelar				

5	Rutika Bhosale	State	Maharashtra Student Innovation Challenge, 2023	10-09-2023	Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.
6	Rutuja Chatur				
7	Sakshi Korde				
8	Smiti Chandwadkar	University	Avishkar-2023	27-10-2023	Savitribai Phule Pune University
9	Yogita Khalate				
10	Yogita Khalate	State	Maharashtra Student Innovation Challenge, 2023	10-03-2023	Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.
11	Tanaya Mane				
12	Ghanishtha Anil Rane				
13	Sanjivani Nagnath Bulbule	State	Maharashtra Student Innovation Challenge, 2023	10-03-2023	Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.
14	Sneha Anant Manchalkar				
15	Shweta Santosh Phatate				
16	Shreya Navnath Nilakh	University	Avishkar-2023	27-10-2023	Savitribai Phule Pune University
17	Trupti Ananda Pacharne	State	Maharashtra Student Innovation Challenge, 2023	10-03-2023	Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.

18	Anuja Ramhari Borate	National	BHARAT 1.0 (Business Heros Aspiring to Rise &Achieve Together)	31-10-2023	IIC, MIT-ADT University, Pune
19	Trupti Ananda Pacharne				
20	Aditi Hulwan	University	Techno-Sci 2K24	15-04-2024	MMIT, Lohgaon, Pune
21	Vaishnavi Ingawale				
22	Namrata Jadhav				
23	Rupali Kurhade				
24	Sharwari Bhalerao	State	Maharashtra Student Innovation Challenge, 2023	10-03-2023	Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.
25	Samruddhi Divekar				
26	Gargee Mardikar				
27	Swapnali Tawade				
28	Gayatri Gayakwad	State	Maharashtra Student Innovation Challenge, 2023	10-10-2023	Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.
29	Shraddha Jadhav				
30	Samta Bora				
31	Shailja Shree				
32	Divya Mendagudale	National	Sinhgad Techtonic-2024 YUKTI	14-02-2024 to 16-02-2024	Sinhgad Institute, Pune
33	Kranti Gunjal				
34	Prajakta Karande				
35	Shruti Mulay	National	Sinhgad Techtonic-2024 YUKTI- Poster Presentation	14-02-2024 to 16-02-2024	Sinhgad Institute, Pune
36	Jivani Suryawanshi				
37	Sejal Pawar				
38	Vaishnavi Walgude				

39	Vrushali Gaikwad	State	Maharashtra Student Innovation Challenge,2023	10-03-2023	Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.
40	Krupa Desai				
41	Krutika Ippar				
42	Sneha Bamane	National	Prakalp 2024 Project Competition	20-3-2024	JSPM, Pune
43	Shweta Maharanawar				
44	Devyani Pathrikar				
45	Shweta Patil	State	Maharashtra Student Innovation Challenge,2023	10-03-2023	Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.
46	Shital Jadhav				
47	Mrunmai Watane				
48	Sakshi Dubbewar	National	Sinhgad Techtonic-2024 YUKTI- Poster Presentation	14-02-2024 to 16-02-2024	Sinhgad Institute, Pune
49	Shweta Patil				
50	Shital Jadhav				
51	Mrunmai Watane				
A.Y. 2022-23					
1	Bhatt Aachal Anand	University	AVISHKAR-2022	12-07-2022	Savitribai Phule Pune University
2	Simantini Bhosale				
3	Simantini Bhosale	National	Prakalp	23-03-2023	JSPMs Rajarshi Shahu College of Engineering, Tathawade, Pune
4	Sapana Gonarkar	Zonal	Project Competition 2K23	05-05-2023	PVGCOET & GKPIM, Pune
5	Sapana Gonarkar	National	National Level Project Competition	05-04-2023	SKNCOE, Pune

6	Pranjal Chaudhari	National	National Level Project Competition-cum-exhibition CONVENE 2023	28/04/2023	SKNCOE, Pune
7	Akansha Ajit Patil				
8	Aditi Vijay Shinde				
9	Shambhavi Swami				
10	Pranjal Chaudhari	Zonal	Project Competition 2K23	05-05-2023	PVGCOET & GKPIM, Pune
11	Akansha Ajit Patil				
12	Aditi Vijay Shinde				
13	Shambhavi Swami				
14	Isha Dhanawade	National	National Level Project Competition-cum-exhibition CONVENE 2023	28/04/2023	SKNCOE, Pune
15	Simran Dsouza				
16	Aditi Takalkar				
17	Vidhi Jain				
18	Ishwari Raju Shelke	National	National Level Project Competition 2K23	05-04-2023	SKNCOE, Pune
19	Priti Shinde Umesh				
20	Sonakshi Vivek Shende				
21	Aysha Nadeem Sayyed				
22	Vaishnavi Rajesh Pathade	Zonal	Project Competition 2K23	05-05-2023	PVGCOET & GKPIM, Pune
23	Shraddha Lokhande				
24	Kshitija Satish Patankar				
25	Mrunmayee Khaire				
26	Pooja Dhumal	State	Project Competition BRAINWAVES 2023	03-02-2023	J D College of Engineering & Management, Mumbai
27	Mansi Makhi				
28	Shruti Mane				
29	Urmila Jagdhane				
30	Pooja Dhumal	National	TECHXELLENCE 2K23	27-04-2023	Sandip Institute of Technology & Research Centre, Nashik
31	Mansi Makhi				
32	Shruti Mane				
33	Urmila Jagdhane				

34	Pooja Dhumal	State	Paper Presentation Competition BRAINWAVES 2023	03-02-2023	J D College of Engineering & Management, Mumbai
35	Mansi Makhi				
36	Shruti Mane				
37	Urmila Jagdhane				
38	Shraddha Chaudhari	State	TECH-FIGHT 2023	27-04-2023	Sandip Institute of Technology & Research Centre, Nashik
39	Ghadle Rutuja				
40	Koradkar Priyanka				
41	Laxmi Pawar				
A.Y. 2021-22					
1	Gayatri Sawale	National	VERSATALIA National Level Project Competition	30-04-2022	PVGCOET & GKPIM, Pune
2	Swapnali Shipankar				
3	Rajashree Shelke				
4	Kajol Roopchand Pawar	National	National Level Online Project Competition “LOGICA”	26-03-2022	JSPM, Pune
5	Vrushali Mahesh Phatale				
6	Ranu Kumari				
7	Kajol Roopchand Pawar	International	Impetus & Concepts 22 International Level Technical Symposium	26-03-2022	Pune Institute of Computer Technology
8	Vrushali Mahesh Phatale				
9	Ranu Kumari				
10	Patil Pranjal Shaligram	Regional	Regional Level Project Competition	02-05-2022	AISSMS, Pune
11	Prachi Chidanand Kaladeep				
12	Sudhisha Subodh Zare				

B. Events Outside the State

Table 4.6.3.2 Students’ Participation in Out-of-State Events

(Program Outcomes mapped: PO1, PO2, PO3, PO5, PO6, PO8, PO9, PO10, and PO12; and Program Specific Outcomes mapped: PSO1, PSO2, and PSO3.)

Sr. No.	Name of the Student	Level (Local/ University/ State/ National/ International)	Name of Activity	Date	Organized By
A.Y. 2023-24					
1	Smiti Chandwadkar	National	Level 1.1:E-commerce and Tech Quiz of the Flipcart GRiD 5.0- Software Development Track	07-12-2023	Flipkart
2	Yogita Khalate				
3	Tanaya Mane				
4	Ghanishtha Anil Rane				
5	Diksha Raina	National	Level 1.1:E-commerce and Tech Quiz of the Flipcart GRiD 5.0- Software Development Track (Unstop,Online)	26-03-2024	Flipkart
6	Samrudhi Pagar				
7	Sakshi Mahamuni				
8	Saswati Parida				
9	Sanjivani Nagnath Bulbule	National	PPT Submission Round (via Unstop)	04-07-2024	Hindu College of Engineering, Sonipat
10	Shweta Santosh Phatate				
11	Samiksha Bandgar	National	PPT Submission Round (via Unstop)	04-07-2024	Hindu College of Engineering, Sonipat
12	Nikita Bankar				
13	Shruti Lad				
14	Rajiya Mulla				
15	Nisha Dnyaneshwar Avhad	National	Level 1.1:E-commerce and Tech Quiz of the Flipcart GRiD 5.0- Software Development Track	07-12-2023	Flipkart
16	Anam Wasim Bagwan				
17	Vaishnavi Vijay Patil				
18	Sneha Dattatray Salunke				
19	Nisha Dnyaneshwar Avhad	National	Level 1.1:E-commerce and Tech Quiz of the Flipcart GRiD 5.0- Software Development Track	04-07-2024	Hindu College of Engineering, Sonipat
20	Anam Wasim Bagwan				
21	Vaishnavi Vijay Patil				
22	Sneha Dattatray Salunke				

23	Nisha Dnyaneshwar Avhad	National	Statistica24	22-4-2024	Department of Statistics, Ramjas College, Delhi
24	Anam Wasim Bagwan				
25	Vaishnavi Vijay Patil				
26	Sneha Dattatray Salunke				
27	Sakshi Dubbewar	International	International Conference on Recent Trends in Science, Technology and Management (ICRTSTM) 2024	28-06-2024 & 29-06-2024	Bharati Vidyapeeths College of Engineering for Women (BVCOEW), Pune, Maharashtra, India & RSP Conference Hub, Coimbatore, Tamil Nadu, India
28	Shweta Patil				
29	Shital Jadhav				
30	Mrunmai Watane				
31	Prajwal Said				
32	Nupur Agrawal				
33	Srushti Bhoite				
34	Sayali Shelar				
35	Smiti Chandwadkar				
36	Yogita Khalate				
37	Tanaya Mane				
38	Ghanishtha Anil Rane				
39	Sanjivani Nagnath Bulbule				
40	Sneha Anant Manchalkar				
41	Shweta Santosh Phatate				
42	Krishna Rajesh Soni				
43	Chaitali Nigade				
44	Shreya sakare				
45	Shruti sakare				
46	Mayuri salunkhe				

C. Prizes/Awards Received in Events

Table 4.6.3.3 Achievements in Technical and Non-Technical Events for A.Y. 2024-25

(Program Outcomes mapped: PO1, PO2, PO3, PO5, PO6, PO7, PO8, PO9, PO10, PO11, and PO12; and Program Specific Outcomes mapped: PSO1, PSO2, and PSO3.)

Sr No.	Name of Student	Level (Local/ University/ State/ National/ International)	Name of Activity	Recognition/ Award	Date	Organized By

Achievements in Technical Events						
1	Ayesha Bashirul Haque Shaikh	International	Brainrot Hackathon	First Prize	21 Dec, 2024	Audrey Chen, Entrepreneur, Founder of nosu.io
2	Bushra Asif Sayyed					
3	Nandini Prabhashankar Pandey	National	GenerationTech Design Challenge 2024	First Prize	21 Sep, 2024	JPMorganChase and Co.
4	Lakshita Panchbhai	International	GirlScript Summer of Code 2024	Awarded as Top Campus Ambassador 36th rank Internationally)	16 Nov, 2024	GirlsScript Summer of Code
5	Manasvi Pudale	National	Bhartiyam paper presentation	Second Prize	28 Feb, 2025	Bharati Vidyapeeth (Deemed to be University) College of Engineering Pune.
6	Shruti Deshmukh					
7	Svarupa Kadam					
8	Shruti Waghmare					
9	Shreya Dhadse	University	SheInspires Womens Hackathon	First Runner Up	21 Mar, 2025	Zensar, RPG foundation, AWS
10	Janhavi Sharma					
11	Bhagyashree Ravindra Mistari	University	Web Fusion	Second Prize	28 Mar, 2025	Dr. D. Y. Patil Institute of Technology Pimpri, Pune-18
12	Neha Ajay Chandele					
Achievements in Non-Technical Events						
1	Lakshita Panchbhai	State	Speak for India	Semifinalist	28 Apr, 2025	Federal bank and Times of India

Table 4.6.3.4 Achievements in Technical and Non-Technical Events for A.Y. 2023-24

Sr No.	Name of Student	Level (Local/ University/ State/ National/ International)	Name of Activity	Recognition/Award	Date	Organized By
Achievements in Technical Events						
1	Shweta Maranwar	National	NES Innovation Award 2024	Qualified as one of the top 50 teams	Dec, 2023	GTT Foundation (NES)
2	Devyani Pathrikar					
3	Sneha Bamane					

4	Harshada Sonawane	National	NES Innovation Award 2024	Qualified as one of the top 50 teams	Dec, 2023	GTT Foundation (NES)
5	Sanika Karale					
6	Netra Patil					
7	Jyoti Pawar					
8	Anuja Ramhari Borate	National	NES Innovation Award 2024	Qualified as one of the top 50 teams	Dec, 2023	GTT Foundation (NES)
9	Shreya Prashant Mohite					
10	Shreya Navnath Nilakh					
11	Trupti Ananda Pacharne					
12	Divya Mendagudale	National	NES Innovation Award 2024	Qualified as one of the top 50 teams	Dec, 2023	GTT Foundation (NES)
13	Kranti Gunjal					
14	Prajakta Karande					
15	Ruchika Nanwani					
16	Utkarsha Kakade	State	Visioverse-Poster Presentation	First Prize	4-Apr-24	Bharati Vidyapeeth College of Engineering for Women, Pune
17	Kalyani Kulkarni					
18	Rewa Parashar					
19	Kirti Mhaske					
20	Utkarsha Kakade	State	Byte Battle in Technophilia	3rd Prize	4-Apr-24	Bharati Vidyapeeth College of Engineering for Women, Pune
21	Prajwal Pandharinath Said	State	Coding Competition	2nd prize	4-Apr-24	Bharati Vidyapeeth College of Engineering for Women, Pune
22	Srushti Mule	National	AthenaHacks (ACM-W Women Hackathon)	Semifinalist	24 and 25 Nov, 2023	ACM-W India, Coimbatore ACM Chapter, and PSG College of Technology
23	Vaishnavi Waykaskar					
24	Shriya Lakhe					
25	Shweta Santosh Phatate	National	National Level Coding Contest	Among the top 1% out of 600 participants	2 May, 2024	Crew Matrix
26	Shweta Santosh Phatate	National	Paper Presentation Competition	1st rank	11 Apr, 2024	Ramjas College of Engineering (RCE), New Delhi
27	Krishna Rajesh Soni					
28	Trupti Ananda Pacharne	National	GATE Examination	Qualified the GATE 2023-24 examination	16 Mar, 2024	IIsc Banglore
Achievements in Non-Technical Events						

1	Shruti Waghmare	National	National Pre-Republic Day Parade State Level Selection Camp	Certified upto State level SRD NRD Selection camp	27 Sept, 2023	NSS Regional Centre Pune, Ministry of youth affairs and sports, Government of India, Department of higher and technical education, Government of Maharashtra Mumbai in collaboration with NSS Cell, P. A. H. Solapur University, Solapur
2	Manasvi Dilip Pudale	District	Pune District NSS pre RD- NRD camp	Participation	15 Sept, 2023	SPPU
3	Vedika Shinde	University	NSS meri matti mera desh (English Elocution Competition)	Second Prize	24 Sept, 2023	National Service Scheme
4	Lakshita Panchbhai	National	IOIT Model United Nations (conference for diplomacy)	Recognized as a Special Mention	13 Oct, 2023 and 14 Oct, 2023	AISSMS IOIT
5	Prayuja Shahaji Patil	State	State level Disaster Management Camp AVHAN 2023	Certified upto State level camp	25 Dec, 2023 to 2 Jan,2024	Gondawana University, Gondawana Gadchiroli
6	Shruti Waghmare	State	Attended State Republic Day Parade Camp and participated in republic Day Parade	Certificate and a memento	17 Jan, 2024 to 26 Jan, 2024	NSS Cell, Department of Higher & Technical Education, Government of Maharashtra and NSS Cell, University of Mumbai
7	Chaitali Rajesh Nigade	University	University Level Workshop/Camp for Urban and Rural Development through Youth Participation at Belawade	Certificate	21 Jan, 2024 to 22 Jan, 2024	SPPU and Mamasaheb Mohol College Pune
8	Manasvi Dilip Pudale	National	35th National Federation Cup at Sangli	Selected in Maharashtra team which further secured 3rd place at national championship.	27-Jan-24	Handball Fedaration, India
9	Manasvi Dilip Pudale	State	50th Womens Maharashtra State Handball chamionship	participated in 50th Womens Maharashtra State Handball chamionship	23 Feb, 2024	Handball Association, Maharashtra
10	Vedika Shinde	Inercollegiate	NSS meri matti mera desh (English Elocution Competition)	First Prize	06 Sept, 2023	National Service Scheme

Table 4.6.3.5 Achievements in Technical and Non-Technical Events for A.Y. 2022-23

Sr No.	Name of Student	Level (Local/University/ State/ National/ International)	Name of Activity	Recognition/ Award	Date	Organized By
Achievements in Technical Events						
1	Dhanashree Vaidya	National	Prakalp 2023 (Project Competition and Exhibition)	Secured third position	23 and 24 Mar, 2023	Dept of IT under INNOVISION-2023- A National Level Techno-Social Symposium conducted by JSPM Group of Institutes Tathawade Campus, Pune.
2	Manavi Kamble					
3	Isha Mishra					
4	Prajakta Thorat					
5	Bangar Sakshi	National	NES Innovation Awards 2023	Qualified for 2nd round (Jury round) of NES Innovation Awards 2023 Qualified as one of the top 50 teams	07 Apr, 2023	GTT Foundation
6	Gupta Garima					
7	Gupta Ishika					
8	Patange Sakshi					
9	Rupali Dakore	National	NES Innovation Awards 2023	Qualified for 2nd round (Jury round) of NES Innovation Awards 2023 Qualified as one of the top 50 teams	07 Apr, 2023	GTT Foundation
10	Sakshi Kolte					
11	Pragati Bhakkad					
12	Janhavi Patil					
13	Amina Khalid Shaikh	National	Avinya 2023- Portfolio Building	1st Prize	27 and 28 Apr, 2023	BVCOEW
14	Mhaske Kirti Dattatray	State	MaTPO Aptitude Idol Test	Selected for 2nd round (Top 120) out of 35,000 students	29 Apr, 2023	Maharashtra Association of Training & Placement Officers and DTE, Mumbai
15	Anam Wasim Bagwan	National	Haktech Event (hackathon)	1st Prize	27 and 28 Apr, 2023	BVCOEW
16	Ghanishta Rane	National	Avinya 2023- TechTrix (Technical Quiz)	3nd Prize	27 and 28 Apr, 2023	BVCOEW
17	Smiti Chandwadkar					
18	Trupti Pacharne					
19	Ms. Jadhav Priyanka Kiran	University	Final Year Information Technology Apr/May 2023 Exam Result	Secured 1st Rank, in Savitribai Phule Pune Universitywith SGPA 9.925	Apr/May 2023	Savitribai Phule Pune University

20	Ms. Potre Manasi Suresh	University	Final Year Information Technology Apr/May 2023 Exam Result	Secured 3rd Rank, in Savitribai Phule Pune Universitywith SGPA 9.85	Apr/May 2023	Savitribai Phule Pune University
21	Ms. Zambare Ishita Pradip	University	Final Year Information Technology Apr/May 2023 Exam Result	Secured 3rd Rank, in Savitribai Phule Pune Universitywith SGPA 9.85	Apr/May 2023	Savitribai Phule Pune University
22	Ms. Ghadge Pradnya Sanjay	University	Final Year Information Technology Apr/May 2023 Exam Result	Secured 4th Rank, in Savitribai Phule Pune Universitywith SGPA 9.825	Apr/May 2023	Savitribai Phule Pune University
23	Ms. Bhatt Aachal Anand	University	Final Year Information Technology Apr/May 2023 Exam Result	Secured 8th Rank, in Savitribai Phule Pune Universitywith SGPA 9.7	Apr/May 2023	Savitribai Phule Pune University
24	Ms. Swami Shambhavi Rajshekhar	University	Final Year Information Technology Apr/May 2023 Exam Result	Secured 8th Rank, in Savitribai Phule Pune Universitywith SGPA 9.7	Apr/May 2023	Savitribai Phule Pune University
Achievements in Non-Technical Events						
1	Pudale Manasvi Dilip	Zonal	Sports (Handball)	Selected in Interzonal Handball Team	13 Nov, 2022	Savitribai Phule Pune University
2	Trupti Ananda Pacharne	National	Intercollegiate GK Test 2023	Second rank with Rs. Rs.4000/- as prize money	7 Jan, 2023	Yashwantrao Mohite College of Arts, Science and Commerce, Erandwane, Pune-38
3	Shreya Dhadse	College	Poster making on the life of Hon. Patangrao kadam saheb	1st Prize	7 and 9 Jan, 2023	Student Development Section, BVCOEW, Pune

Table 4.6.3.6 Achievements in Technical and Non-Technical Events for A.Y. 2021-22

Sr. No.	Name of Student	Level (Local/University/State/National/ International)	Name of Activity	Recognition/Award	Date	Organized By
Achievements in Technical Events						
1	Vaibhavi Deepak Gawas	State	Techtrix event	Third Rank	25 Sept, 2021	ITSA committee in TechFlix Fest

2	Kajol Pawar, Vrushali Phatale, Ranu Kumari	Intercollegiate	BE Project Competition by Veritas under Pune university outreach program	Second Runner Up	15 June, 2022	Veritas Technology LLC, Pune
3	Manisha Khajure	National	GATE Examination	Qualified for the GATE examination	Gate 2022	Indian Institute of Technology, Kharagpur

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

Total Marks 166.26

Institute Marks :

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof/Assoc. Prof.).	Initial Date of Joining	Association Type	At present working with the Institution(Yes/No)	In case of NO, Date of Leaving	IS HOD?
Prof. Dr. Godse Deepali Atul	ABDPG7291D	Ph.D	24/12/2014	Image Processing	7	0	0	Professor	15/06/2015	02/07/2003	Regular	Yes		Yes
Prof. Ms. Rane Mugdha Arvind	AKUPR8494D	M.E/M.Tech	15/07/2013	Data Structures, Algorithms and Security	7	0	0	Assistant Professor		21/08/2006	Regular	Yes		No
Prof. Ms. Sagar Swati Ashok	AKQPD7247J	M.E/M.Tech	09/04/2014	Image Processing, networking	4	0	0	Assistant Professor		01/01/2007	Regular	Yes		No
Prof. Mrs. Hadke Seema Arun	ACAPH0495C	M.E/M.Tech	02/09/2013	Security, Cloud	7	0	0	Assistant Professor		08/02/2007	Regular	Yes		No
Prof. Dr. Mulla Nilofar Altafhusen	APXPM1429H	Ph.D	04/06/2024	Software Engineering	3	0	0	Assistant Professor		16/11/2009	Regular	Yes		No
Prof. Mr. Patil Kamlesh Vasantrao	BWSPP5095D	M.E/M.Tech	04/04/2019	Data Mining and Networking	7	0	0	Assistant Professor		15/12/2016	Regular	Yes		No
Prof. Mrs. Bonsale Neha Gajanan	DMMPM5181D	M.E/M.Tech	28/01/2023	Machine learning	2	0	0	Assistant Professor		14/10/2024	Regular	Yes		No
Prof. Mrs.Raikar Priyanka Swapnil	AGUPL4568J	M.E/M.Tech	06/05/2021	Computer Network	1	0	0	Assistant Professor		08/02/2025	Regular	Yes		No
Prof.Dr. Malgi Ketaki Amit	ADLPN4703D	Ph.D	18/09/2020	Cloud computing	7	0	0	Associate Professor	16/07/2011	02/01/2003	Regular	Yes		No

Prof. Dr. Sandip S. Thite	AJDPT5538Q	Ph.D	28/04/2022	Computer Network	0	0	0	Assistant Professor		31/07/2009	Regular	No	28/02/2023	No
Prof. Pallavi Bhusan Narkhede	ARHPN1161B	M.E/M.Tech	02/12/2014	Data Miniing	0	0	0	Assistant Professor		20/08/2024	Regular	Yes		No
Prof. Ms. Khairkar Ashwini Deepak	AYIPK9885D	M.Tech	15/07/2013	Network Security and Machine Learning	4	0	0	Assistant Professor		08/08/2008	Regular	No	31/01/2025	No
Prof. Ms. Kanade Ashwini Vithal	BERPK8502D	M.Tech	22/08/2012	Deep Learning	6	0	0	Assistant Professor		11/08/2008	Regular	Yes		No
Prof. Mrs. Sonali B. Dhuttargi	AGDPM0711H	M.E.	14/01/2011	Data Structure and Software testing	1	0	0	Assistant Professor		14/07/2003	Regular	No	08/05/2023	No

5.1 Student-Faculty Ratio (20)

Total Marks 12.00

Institute Marks : 12.00

UG

No. of UG Programs in the Department 1

Information Technology						
Year of Study	**CAY**		**CAYm1**		**CAYm2**	
	(2024-25)		**(2023-24)**		**(2022-23)**	
	Sanction Intake	**Actual admitted through lateral entry students**	**Sanction Intake**	**Actual admitted through lateral entry students**	**Sanction Intake**	**Actual admitted through lateral entry students**
2nd Year	60	6	60	6	60	6
3rd Year	60	6	60	6	60	6
4th Year	60	6	60	6	60	6
Sub-Total	**180**	**18**	**180**	**18**	**180**	**18**
Total	**198**		**198**		**198**	

Grand Total	198	198	198

PG

No. of PG Programs in the Department 0

Grand Total			

SFR

No. of UG Programs in the Department 1

No. of PG Programs in the Department 0

Description	**CAY(2024-25)**	**CAYm1 (2023-24)**	**CAYm2 (2022-23)**
Total No. of Students in the Department(S)	198 **Sum total of all (UG+PG) students**	198 **Sum total of all (UG+PG) students**	198 **Sum total of all (UG+PG) students**
No. of Faculty in the Department(F)	9 **F1**	9 **F2**	10 **F3**
Student Faculty Ratio(SFR)	22.00 **SFR1=S1/F1**	22.00 **SFR2=S2/F2**	19.80 **SFR3=S3/F3**
Average SFR	21.27 **SFR=(SFR1+SFR2+SFR3)/3**		
F=Total Number of Faculty Members in the Department (excluding first year faculty)			

Note: All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Faculty Student Ratio. However, following will be ensured in case of contractual faculty:

1. Shall have the AICTE prescribed qualifications and experience.
2. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.
3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	**Total number of contractual faculty in the department**
CAY(2024-25)	9	0
CAYm1(2023-24)	9	0
CAYm2(2022-23)	10	0

Average SFR for three assessment years : 21.27

Assessment SFR : 12

5.2 Faculty Cadre Proportion (25) Total Marks 22.00

Institute Marks : 22.00

Year	**Professors**		**Associate Professors**		**Assistant Professors**	
	Required F1	**Available**	**Required F2**	**Available**	**Required F3**	**Available**
CAY(2024-25)	1.00	1.00	2.00	1.00	6.00	7.00
CAYm1(2023-24)	1.00	1.00	2.00	1.00	6.00	7.00
CAYm2(2022-23)	1.00	1.00	2.00	1.00	6.00	8.00
Average Numbers	1.00	1.00	2.00	1.00	6.00	7.33

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 12.5 : 22.00

5.3 Faculty Qualification (25) Total Marks 14.26

Institute Marks : 14.26

	X	Y	F	FQ = 2.5 x [(10X + 4Y) / F)]
2024-25(CAY)	3	6	9.00	15.00
2023-24(CAYm1)	2	7	9.00	13.33
2022-23(CAYm2)	2	8	9.00	14.44

Average Assessment : 14.26

5.4 Faculty Retention (25)

Total Marks 25.00

Institute Marks : 25.00

Description	2023-24	2024-25
No of Faculty Retained	9	8
Total No of Faculty	9	9
% of Faculty Retained	100	89

Average : 94.00

Assessment Marks : 25.00

5.5 Innovations by the Faculty in Teaching and Learning (20)

Total Marks 18.00

Institute Marks : 18.00

Innovations by the Faculty in Teaching and Learning:

Faculty members of the Information Technology department follow innovative teaching methodologies in the classroom in addition to conventional methods such as blackboard teaching, sharing learning materials, and asking questions in every class. These innovative methods help students actively engage in the classroom.

The department is committed to making continuous efforts to:

- Improve student learning outcomes through the adoption of innovative teaching approaches.
- Enhance students' understanding and proficiency by employing creative methods and strategies.
- Foster creative thinking, idea formulation, and active participation through a variety of engaging activities.

Table 5.5.1 Innovations by the Faculty in Teaching and Learning

Sr. No.	Name of Faculty	Innovative Aspects in Teaching and Learning	YouTube Channel Link /Website Link / Google Classroom Link
1	Prof. Dr. D.A. Godse	**Participatory Learning** • Student-centred, active learning pedagogy • e-learning with Google Classroom	https://classroom.google.com/c/NzM0MjU5MTg1OTcy?cjc=way6niq (https://classroom.google.com/c/NzM0MjU5MTg1OTcy?cjc=way6niq)
2	Prof. Dr. K.A.Malgi	**Technology-Advanced Active Learning** • Blended Learning • Collaborative Learning • ICT based teaching using Google Classroom • Experiential Learning	http://www.youtube.com/@Dr.KetakiMalgi (http://www.youtube.com/@Dr.KetakiMalgi) https://classroom.google.com/c/NjYyOTMyNjQ0Njgw?cjc=cbgb7hj (https://classroom.google.com/c/NjYyOTMyNjQ0Njgw?cjc=cbgb7hj) https://classroom.google.com/c/NTIzMTM5Nzk1NDE1?cjc=v5lsjah (https://classroom.google.com/c/NTIzMTM5Nzk1NDE1?cjc=v5lsjah)
3	Prof.M.A.Rane	**Maths Culture: Active Learning** • ICT based teaching using Google Classroom	https://classroom.google.com/c/NjE3NzIxNDc5ODQ1?cjc=o7k77de (https://classroom.google.com/c/NjE3NzIxNDc5ODQ1?cjc=o7k77de)
4	Prof. S. A. Sagar	**Participatory Simulation Activity: Understanding Microcontroller Architecture Through Role-Play** • Active Learning & Role-play • Collaborative Learning • ICT based teaching using Google Classroom	https://classroom.google.com/c/NjU3MDE4NzY2MTkx?cjc=qk4ic6li (https://classroom.google.com/c/NjU3MDE4NzY2MTkx?cjc=qk4ic6li)
5	Prof.S.A.Hadke	**Active and Collaborative Learning Through Blended Approaches** • Flipped Classroom • Blended Learning • Collaborative Learning • Peer Teaching • ICT based teaching using Google Classroom	https://www.youtube.com/@seema__hadke (https://www.youtube.com/@seema__hadke) https://classroom.google.com/c/NjQ3ODQwMTc1ODc1?cjc=szrjurc (https://classroom.google.com/c/NjQ3ODQwMTc1ODc1?cjc=szrjurc)

6	Prof.A.V.Kanade	**“Meet the Normalizers!” – A Game- Based Role play Activity for Understanding Normal Forms** • Active Learning & Role-play • Collaborative Learning • ICT based teaching using Google Classroom	https://classroom.google.com/c/NjQ3Mzc5MjEwNjc3?cjc=yfna3cw (https://classroom.google.com/c/NjQ3Mzc5MjEwNjc3?cjc=yfna3cw)
7	Prof.Dr. N.A.Mulla	**Action-Based Requirement Transmission Activity** • Experiential Learning • ICT based teaching using Google Classroom	https://classroom.google.com/c/NjYxNjUwNTUyNzI5?cjc=p6jpous%20%20 (https://classroom.google.com/c/NjYxNjUwNTUyNzI5?cjc=p6jpous%20%20)
8	Prof.K.V.Patil	**Flipped Classroom Approach with Collaborative Network Problem-Solving Activities** • Flipped Classroom • Collaborative Learning • ICT based teaching using Google Classroom	https://classroom.google.com/u/2/c/NjkxODE5ODIyMzc1 (https://classroom.google.com/u/2/c/NjkxODE5ODIyMzc1)
9	Prof. N.G.Bonsale	**Learning Hike through** **Brainstorming: A Strategy to Stimulate Critical Thinking and Creativity** • Flipped Classroom • ICT based teaching using Google Classroom	https://classroom.google.com/c/NzM2NTAwMTM2MDAz?cjc=bgtsyyy (https://classroom.google.com/c/NzM2NTAwMTM2MDAz?cjc=bgtsyyy)
10	Prof. P. S. Raikar	**Think-Pair-Share** • Collaborative Learning • ICT based teaching using Google Classroom	https://classroom.google.com/c/NzM2NTk4MTU5ODYz?cjc=oh3q6ip (https://classroom.google.com/c/NzM2NTk4MTU5ODYz?cjc=oh3q6ip)
11	Prof. P. B. Narkhede	**Active Engagement** • Flipped Classroom • ICT based teaching using Google Classroom	https://classroom.google.com/c/NzAxOTgyNzY1ODUy?cjc=stbxs4j (https://classroom.google.com/c/NzAxOTgyNzY1ODUy?cjc=stbxs4j)

A. The work must be made available on Institute Website

The innovative methods used by the faculties are uploaded on the institute website- https://coewpune.bharatividyapeeth.edu/ (https://coewpune.bharatividyapeeth.edu/)

Publishing the work on the institute’s website supports the achievement of the following objectives:

- To emphasize the faculty’s commitment to delivering quality education.
- To promote openness and the sharing of effective teaching methods.
- To promote a learning environment that focuses on student needs and active participation.

B. The work must be available for peer review and critique

The work is available for peer review and critique

This approach encourages academic transparency and continuous improvement. It also promotes the sharing of best practices by making the work accessible for peer review, feedback, and validation both within and outside the institution.

C. Statement of clear goals, use of appropriate methods, significance of results, effective presentation and reflective critique

This fosters the following:

- Enhances Quality Assurance – Peer feedback helps to improve teaching methods and strengthens the quality of research.
- Encourages the Spread of Knowledge – Making innovative practices public enables others to implement and adapt them for their own teaching and learning environments.

- Encourages Professional Growth – Open review cultivates an environment of reflection, constructive feedback, and lifelong learning for faculty.

D. The work must be reproducible and developed further by other scholars

It is important that faculty contributions are thoroughly documented, reproducible, and adaptable by other academics. Faculty members from the Information Technology Department play an active role in the Faculty Orientation Workshops organized by Savitribai Phule Pune University (SPPU). Alongside delivering subject-specific expert sessions, they also make their teaching materials, presentations, and reference resources freely available to fellow faculty members across SPPU who teach the same courses.

This initiative fosters:

- Consistency and excellence in curriculum delivery
- Effective knowledge exchange among faculty across affiliated colleges
- Enhanced academic collaboration and ongoing professional growth

By sharing their resources openly, the Information Technology faculty contribute to the university' mission of improving teaching and learning practices while upholding academic excellence across affiliated institutions.

5.6 Faculty as participants in Faculty development/training activities/STTPs (15)

Total Marks 15.00

Institute Marks : 15.00

Name of the faculty	Max 5 Per Faculty		
	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
Prof. Dr. Godse Deepali Atul	3.00	3.00	0.00
Prof. Ms. Rane Mugdha Arvind	5.00	5.00	3.00
Prof. Ms. Sagar Swati Ashok	3.00	3.00	3.00
Prof. Mrs. Hadke Seema Arun	5.00	5.00	3.00
Prof. Dr. Mulla Nilofar Altafhusen	3.00	3.00	3.00
Prof. Mr. Patil Kamlesh Vasantrao	5.00	3.00	5.00
Prof.Dr. Malgi Ketaki Amit	5.00	5.00	3.00
Prof. Dr. Sandip S. Thite	0.00	0.00	3.00
Prof. Ms. Khairkar Ashwini Deepak	5.00	5.00	5.00
Prof. Ms. Kanade Ashwini Vithal	5.00	5.00	5.00
Prof. Mrs. Sonali B. Dhuttargi	0.00	5.00	3.00
Prof. Pallavi Bhusan Narkhede	0.00	0.00	0.00
Prof. Mrs. Bonsale Neha Gajanan	0.00	0.00	0.00
Prof. Mrs.Raikar Priyanka Swapnil	0.00	0.00	0.00
Sum	39.00	42.00	36.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratioas per 5.1	9.90	9.90	9.90
Assessment [3*(Sum / 0.5RF)]	23.64	25.45	21.82

Average assessment over 3 years: 23.64

5.7 Research and Development (30) Total Marks 22.00

5.7.1 Academic Research (10)

Institute Marks : 9.00

A. Number of quality publications in refereed/SCI Journals, Citations, Books/Book Chapters.

Table 5.7.1 Publication Details Journals/Conference/Book/Book Chapter

Publication Details				
Year	**Journals**	**Conference**	**Books**	**Book Chapters**
2024-2025	24	2	5	1
2023-2024	12	2	2	-
2022-2023	17	3	2	-

Table 5.7.2 Citation Details

Sr. No.	Name of Faculty	Citations	
		Scopus	Google Scholar
1	Prof. Dr. D. A. Godse	4	157
2	Prof. Dr. K.A.Malgi	27	58
3	Prof. M. A. Rane	0	12
4	Prof. S.A.Sagar	1	7
5	Prof. S.A.Hadke	0	17
6	Prof. A.V.Kanade	0	20
7	Prof. Dr.N.A.Mulla	1	86
8	Prof. K. V. Patil	0	0
9	Prof. N.G.Bonsale	0	0
10	Prof. P.S.Raikar	0	0
11	Prof. P.B. Narkhede	0	0
12	Prof. A. D. Khairkar	27	58
13	Prof. S.B.Dhuttargi	0	0

Table 5.7.3 List of Faculty Publications

Academic Year: 2024-2025

Sr. No.	Name of Author	Title of Paper	Name of Journal	Month and Year of Publication	ISSN No.	Indexing(SCI/Scopus/WOS/Peer-reviewed)
1	Prof. Dr. D. A. Godse	Fake Product Identification Using Machine Learning	International Research Journal on Advanced Engineering and Management	July 2024	2584-2854	Peer - reviewed

2	Prof. Dr. D. A. Godse	Vision-Based Empty Shelf Detection in Retail with Real Time Telegram Notifications for Efficient Restocking	SSRG International Journal of Electronics and Communication Engineering	July 2024	2348-8549	Scopus
3	Prof. Dr. D. A. Godse	Facilitating spice recognition and classification: An image dataset of Indian spices	Elsevier	Dec. 2024	2352-3409	Scopus, WOS
4	Prof. Dr. D. A. Godse	Robotic Framework for Requirement Management, Estimations and Project Proposals	International Research Journal on Advanced Engineering Hub (IRJAEH)	July 2024	2584-2137	Peer - reviewed
5	Prof. Dr. K.A. Malgi	Advancements in Machine Learning Algorithms for Predictive Analytics in Healthcare	Advances in Nonlinear Variational Inequalities	Aug. 2024	1092-910X	Scopus
6	Prof. Dr. K.A. Malgi	Enhancing Cloud Computing Environments with AI-Driven Resource Allocation Models	Advances in Nonlinear Variational Inequalities	Aug. 2024	1092-910X	Scopus
7	Prof. Dr. K.A .Malgi	Neural Networks and Their Application in Natural Language Processing for Social Media Analysis	Advances in Nonlinear Variational Inequalities	Aug. 2024	1092-910X	Scopus
8	Prof. M. A. Rane	Personalized Herbal Wellness for Menstrual Health	International Journal of Current Science	May, 2025	2250-1770	Peer - reviewed
9	Prof. S. A. Sagar	Android-Based Assistant for Visually Impaired	Indian Journal of Technical Education(IJTE_ISTE Journal)	July - Sept., 2024	0971-3034	Peer - reviewed
10	Prof. S.A. Hadke	A survey paper on Role of Artificial Intelligence in Education	International Journal of Engineering Technology and Management Sciences (IJETMS)	July 2024	2581-4621	Peer - reviewed

11	Prof. S.A. Hadke	Dynamic Hand Gesture Detection using CNN-based Keypoint Estimation	SSRG International Journal of Electronics and Communication Engineering	April 2025	2348-8549	Scopus
12	Prof. A. D. Khairkar	Automated Web Service Discovery and Computing Approaches and Methods	Library Progress International	July 2024	2320-317X	Peer - reviewed
13	Prof. A. D. Khairkar	Eduassesspro: An Automated Quiz Generator and Exam Creator	International Research Journal on Advanced Science Hub	July 2024	2582-4376	Peer - reviewed
14	Prof. A.V. Kanade	Robotics'Framework for IT Recruitment	International Research Journal on Advanced Engineering and Management (IRJAEM)	July 2024	2584-2854	Peer - reviewed
15	Prof. A.V. Kanade	Auto News Creation: Leveraging AI for Automated News Generation	International Journal of Current Science	May 2025	2250-1770	Peer - reviewed
16	Prof. A.V. Kanade	Smart Surveillance : Leveraging Anomaly Detection For Safer Communities	Journal of Advance and Future Research	June 2025	2984-889X	Peer-reviewed
17	Prof. Dr. N.A. Mulla	Fake Product Identification Using Machine Learning	International Research Journal on Advanced Engineering and Management	July 2024	2584-2854	Peer - reviewed
18	Prof.Dr. N.A. Mulla	Robotic Framework for Requirement Management, Estimations and Project Proposals	International Research Journal on Advanced Engineering Hub (IRJAEH)	July 2024	2584-2137	Peer - reviewed
19	Prof. K. V. Patil	A Study on Regression Based Machine Learning Models to Predict the Student Performance	Journal of Engineering Education Transformations	October 2024	2349-2473	Scopus

20	Prof. K. V. Patil	Automated Web Service Discovery Correlated To Biomedical From Public Repositories-Unique Approach Through	African Journal of Biomedical Research	December 2024	1119-5096	WOS
21	Prof. K. V. Patil	Enhancing Traffic Scene and Understanding Through Image Captioning and Audio	International Research Journal on Advanced Engineering and Management (IRJAEM)	July 2024	2584-2854	Peer - reviewed
22	Prof. N.G. Bonsale	Product Aspect Ranking and Its applications	Power System Technology	June 2025	1000-3673	Peer-reviewed
23	Prof. N.G. Bonsale	AI-Driven Dynamic Resource Management In Cloud Operating Systems	International Journal of Creative Research Thoughts - IJCRT	May 2025	2320-2882	Peer-reviewed
24	Prof. P. S. Raikar	Optimized Recovery Point Selection for Distributed Systems Using AI-Enhanced Heuristic Search	International Journal of Advanced Research in Computer and Communication Engineering	June 2025	2319-5940	Peer-reviewed

Academic Year: 2023-2024

Sr. No.	Name of Author	Title of Paper	Name of Journal	Month and Year of Publication	ISSN No.	Indexing(Scopus/WOS/Peer-reviewed)
1	Prof. Dr. D. A. Godse	Evaluation of Delay Parameter of MQTT Protocol	International Journal of Engineering Trends and Technology	March 2023	2231 – 5381	Scopus
2	Prof. Dr. D. A. Godse	Automated Video and Audio based Stress Detection using Deep Learning Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	Oct. 2023	2321-8169	Peer - reviewed
3	Prof. Dr. K.A. Malgi	Breast Tumour Segmentation Using Advanced UNet with Saliency, Channel, and Spatial Attention Models	Journal of Electrical System	March 2024	1112-5209	Scopus & Web of Science

4	Prof. M. A. Rane	Accurate Prediction Of Sepsis In ICU Patients.	International Journal of Creative Research Thoughts	May 2024	2320-2882	Peer - reviewed
5	Prof. M. A. Rane	Robotic Framework for Customer Care and Digital Marketing	IInternational Journal of Innovative Research in Technology	April 2024	2349-6002	Peer - reviewed
6	Prof. S. A. Sagar	Sustainable Energy Assessment and Optimization for Higher Education Institute! A Pathway to Achieve SDG 7 and 12	tuijin jish(journal of propulsion technology)	2023	1887-1896	Scopus
7	Prof. S. A. Sagar	Energy audit and Energy conservation potential of Medical College	Indian Journal of Technical Education(IJTE_ISTE Journal)	July-Sept. 2023	ISSN No.: 0971-3034	Peer - reviewed
8	Prof. S.A. Hadke	Medical Estimating PF Machine Learning and IoT in Melancholy among Diabetic Patients	International Journal on Recent and Innovation Trends in Computing and Communication	Oct. 2023	2321-8169	Peer - reviewed
9	Prof. Dr. N.A. Mulla	Automated Video and Audio based Stress Detection using Deep Learning Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	Oct. 2023	2321-8169	Peer - reviewed
10	Prof. Patil K.V., Prof. Rane M. A., Prof. Kanade A. V.	CNN based Blockchain Information Protection Model for Emerging Cloud Applications	International Journal on Recent and Innovation Trends in Computing and Communication	Sept. 2023	2321-8169	Scopus
11	Prof. K.V.Patil	Enhancing Traffic Scene and Understanding Through Image Captioning and Audio	International Journal of Creative Research Thoughts	April 2024	2320 - 2882	Peer - reviewed
12	Prof. K.V.Patil	Intelligent Real Estate Assistant	International Journal of Creative Research Thoughts	April 2024	2320 - 2882	Peer - reviewed

Academic Year: 2022-2023

Sr. No.	Name of Author	Title of Paper	Name of Journal	Month and Year of Publication	ISSN No.	Indexing(Scopus/WOS/Peer-reviewed)

1	Prof. Dr. D. A. Godse	Evaluation of Delay Parameter of MQTT Protocol	International Journal of Engineering Trends and Technology	March 2023	2231 - 5381	Scopus
2	Prof. Dr. K.A.Malgi	Smart Bus Pass System	Multidisciplinary Journal of Research in Engineerng and Technology	Aug. 2022	2348-6953	Peer- reviewed
3	Prof. Dr. K.A. Malgi	Music Recommendation System Using Sentiment Analysis	Multidisciplinary Journal of Research in Engineerng and Technology	Aug. 2022	2348-6953	Peer- reviewed
4	Prof. Dr. K.A.Malgi	A Study on Effect of Online Games and Social Media on Human Brain	Bandaoti Guangdian/Semiconductor Optoelectronics	June 2023	1001-5868	Peer- reviewed
5	Prof.S.B. Dhuttargi	Elite Vehicle Controller: Drunk Driving Detection with Vehicle Ignition Locking Using GSM	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	May 2022	2321-9654	Peer- reviewed
6	Prof. M. A. Rane	Technet BVCOEW Community - Web Portal	Journal of Engineering, Computing and Architecture	May 2023	1934-7197	Peer- reviewed
7	Prof. M. A. Rane	Operating Virtual Mouse and Keyboard Using Gestures Recognition	Journal of Emerging Technologies and Innovative Research	May 2023	2349-5162	Peer- reviewed
8	Prof. M. A. Rane	Face Mask Detection and Social distance monitoring with customized Convolutional Neural Network	International Journal of Novel Research and Development	June, 2023	2456-4184	Peer- reviewed
9	Prof. S. A. Sagar	Software Defect Prediction Using Machine Learning Algorithm	Journal of the Maharaja Sayajirao University of Baroda	Dec. 2022	0025-0422	Peer- reviewed

10	Prof. S.A.Hadke	System To Detect Mental Stress Using Machine Learning And Mobile Development	International Journal of Advanced Research in Computer and Communication Engineering	June 2022	ISSN (O) 2278-1021,ISSN (P) 2319-5940	Peer- reviewed
11	Prof.S.A.Hadke	Detection of Phishing Websites Using Machine Learning	International Journal of Advanced Research in Computer and Communication Engineering	June 2022	ISSN (O) 2278-1021, ISSN (P) 2319-5940	Peer- reviewed
12	Prof. S.A.Hadke	Alert generation on Detection of Suspicious Activity Using Deep Learning	Journal of the Maharaja Sayajirao University of Baroda	Dec. 2022	0025-0422	Peer- reviewed
13	Prof. S.A.Hadke	Crop Recommendation Based on Soil Analysis Using Deep Learning	Journal of the Maharaja Sayajirao University of Baroda	Dec. 2022	0025-0422	Peer- reviewed
14	Prof. A. D. Khairkar	Algorithmic Trading Using Machine Learning Techniques	Journal of Emerging Technologies and Innovative Research	May 2023	2349-5162	Peer- reviewed
15	Prof. A. D. Khairkar , Prof. A.V. Kanade	Speech Sentiment Prediction using Deep Learning	Journal of the Maharaja Sayajirao University of Baroda	Dec 2022	0025-0422	Peer- reviewed
16	Prof. A.V. Kanade	Data De-Duplication Engine for Efficient Storage Management	International Research Journal of Engineering and Technology (IRJET)	June 2022	e-ISSN: 2395-0056, p-ISSN: 2395-0072	Peer- reviewed
17	Prof. K. V. Patil	A Study Paper: NCPR Reducing Path-Discovery overload in Mobile AdhocNetworks	Neuro Quantology	November 2022	eISSN: 1303-5150	Scopus

Table 5.7.4 Publication Details Conference / Book/Book Chapter

Academic Year: 2024-2025

Sr. No.	Name of Author	Title of Paper	Name of Conference/Name of Book	Title of Book Chapter	Month and Year of Conference/Book Chapter	ISBN No. of Proceeding	Indexing (Scopus/WOS/Other/Book Publisher)
1	Prof. Dr. D. A. Godse	–	International Conference on Data Science, Machine Learning and Applications	Study on Automatic Software Test Case Generation	Oct. 2024	Print ISBN 978-981-97-8030-3 Online ISBN 978-981-97-8031-0	Scopus
2	Prof. Dr. D. A. Godse	–	Digital Logic Design and Computer Architecture	–	Nov. 2024	978-93-5585-842-9	Technical Publications
3	Prof. Dr. D. A. Godse	–	Digital Principles and Computer Organization	–	July 2025	978-93-5585-760-6	Technical Publications
4	Prof. Dr. D. A. Godse	–	Computer Architecture and Organization	–	April 2025	978-93-5585-641-8	Technical Publications
5	Prof. Dr. D. A. Godse	–	Fundamentals of Computer Science	–	May 2025	978-93-5585-900-6	Technical Publications
6	Prof. Dr. N.A. Mulla	–	International Conference on Data Science, Machine Learning and Applications	Study on Automatic Software Test Case Generation	Oct. 2024	Print ISBN 978-981-97-8030-3 Online ISBN 978-981-97-8031-0	Scopus

7	Prof. A.V. Kanade	Precision Agriculture in Sugarcane: Review of Disease Detection and Severity Classification Methods	Proceedings of the12th International Conference on Computing for Sustainable Global Development (INDIACom)	–	April 2025	978-93-80544-58-8	Scopus
8	Prof. K. V. Patil, Prof.Dr.N.A. Mulla	–	Machine Learning Mastery from Algorithms to Real world Applications	–	October, 2024	978-93-6252-022-7	I I P Iterative International Publishers
9	Prof. K. V. Patil	Concerns in IoT Environments: Adoption, Architecture, and Innovation of Enterprise IoT Systems	Recent Trends In Engineering and Science for Resource Optimization and Sustainable Development	–	January, 2025	978-104032742-5, 978-103298029-4	Scopus

Academic Year: 2023-2024

Sr. No.	Name of Author	Title of Paper	Name of Conference/Name of Book	Title of Book Chapter	Month and Year of Conference/Book Chapter	ISBN No. of Proceeding	Indexing(Scopus/WOS/Other/Book Publisher)
1	Prof. Dr. D. A. Godse	–	Logic Design and Computer Organization	–	June 2023	978-93-332-2206-8	Technical Publications
2	Prof. Dr. D. A. Godse	–	Computer Graphics	–	Jan. 2024	978-93-90450-66-4	Technical Publications
3	Prof. Dr. K.A.Malgi	Apriori Based Prefetcing Files for Caching	International Conference on Recent trends in Science Technology and Management	ICRTSTM- 2024	June 2024	978-81-971821-8-1	RSP Research Hub
4	Prof.A. D. Khairkar, Prof. A. V. Kanade	Travelling Chatbot Using Android Application	International Conference for Intelligent Technologies(IEEE)	–	June 2023	979-8-3503-3861-4	Scopus

Academic Year: 2022-2023

Sr. No.	Name of Author	Title of Paper	Name of Conference/Name of Book	Title of Book Chapter	Month and Year of Conference/Book Chapter	ISBN No. of Proceeding	Indexing(Scopus/WOS/Other/Book Publisher)
1	Prof. Dr. D. A. Godse	Auto-detection of Optic Disc in Retinal Image using Transfer Learning Technique	2022 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)	–	4th and 5th Nov. 2022	–	Scopus
2	Prof. Dr. D. A. Godse	–	Computer Architecture	–	March 2023	978-93-332-0026-4	Technical Publications
3	Prof. Dr. D. A. Godse	–	Microprocessor and Microcontroller	–	Jan. 2023	978-93-5585-260-1	Technical Publications
4	Prof.S. A.Sagar	The Automated Screening of Ultrasound Images for Nuchal Translucency using Auxiliary U-Net for Semantic Segmentation	Proceedings of the 17th INDIACom; 2023 10th International Conference on Computing for Sustainable Global Development, INDIACom 2023	–	March 2023	978-938054447-2	Scopus
5	Prof. S. A.Sagar	Energy audit and Energy conservation potential of Medical College	International Conference on Green Energy 2023	–	May 2023	–	–

Table 5.7.5 Patents Published

Sr. No.	Name of Faculty Member	Title of Invention	Organized By	Date of filing of Patent	Application Number	Present Status

1	Prof.K.V.Patil	The Classification technique for the face spoof detection in artificial neural networks using concept of machine learning	Intellectual Property India	18/11/2022	Patent (Appln. Id:202221066095)	Published Dated: 25/11/2022
2	Prof.K.V.Patil	The Heart disease prediction using technique of classification in machine learning using the concepts of data mining	Intellectual Property India	19/12/2022	Patent (Appln. Id:202211073508)	Published Dated; 30/12/2022

Table 5.7.6 Copyright Details

Academic Year: 2024-2025

Sr. No.	Faculty Name	Title of the Copyright	Application No./Registration No.	Diary No.	Date of Filing/Date of Registration	Current Status(Filed/Registered)
1	Prof. Dr. D. A. Godse	SmartVest Data Driven Risk Analysis for Enhanced Stock Investments	-	35997/2024-CO/L	24/12/2024	Filed
2	Prof. Dr. D. A. Godse	ViraNet: Virtual Traffic Surveillance in the Cloud	-	38358/2024-CO/L	31/12/2024	Filed
3	Dr. K. A. Malgi	Intelligent Tree Enumeration and Forest Analysis System for Environmental Monitoring	L-160195/ 2025	35927/2024-CO/L	03/02/2025	Registered
4	Dr. K. A. Malgi	Telemmedicine (MedWave)	-	38335/2024-CO/L	24/12/2024	Filed
5	Dr. K. A. Malgi	An intrusion detection and protection system by using data mining	-	38453/2024-CO/SW	06/12/2024	Filed

6	Prof. M. A. Rane	Gamification Model and Behaviour Analysis using NLP	-	38170/2024-CO/L	17/12/2024	Filed
7	Prof. M. A. Rane	Personalized Ayurvedic Remedies and Nutritional Guidance Application for Womens Menstrual Health.	-	35911/2024-CO/L	16/11/2024	Filed
8	Prof. S. A. Sagar	AI in Public Transport for Schedule Optimization	L-160087/ 2025	35873/2024-CO/L	28/01/2025	Registered
9	Prof. S. A. Sagar	Disease-Based Food and Exercise Recommendation System with Nutritional Image Analysis	-	35906/2024-CO/L	17/12/2024	Filed
10	Prof. S. A. Hadke	PoseAlign Human Pose Detection By Skeleton Landmark Estimation For Physiotherapy And Fitness	LD-20250164235	35953/2024-CO/L	31/12/2024	Registered
11	Prof. S. A. Hadke	Transforming Retail With Ai Intelligent Product Insights And Effortless Automated Checkout	LD-20250164253	36966/2024-CO/L	24/11/2024	Registered
12	Prof. A. V. Kanade	Auto News Creation Leveraging AI for Automated News Generation	LD-20250164328	35967/2024-CO/L	31/12/2024	Registered
13	Prof. A. V. Kanade	Smart Surveillance: Leveraging Anomaly Detection For Safer Communities	LD-20250164261	35963/2024-CO/L	17/11/2024	Registered
14	Dr. N. A. Mulla	Unmonitored Legacy Data Identification	L-162714/ 2025	35891/2024-CO/L	23/3/2025	Registered

15	Prof. Dr. N. A. Mulla	Safeguarding Society: A Deep Fake Video Detection Framework	-	36997/2024-CO/L	25/11/2024	Filed
16	Prof. K. V. Patil	Psychometric Based Career Counselling System	-	36013/2024-CO/L	18/11/2024	Filed
17	Prof. P. S. Raikar	Mental Health Analysis	-	35947/2024-CO/L	17/12/2024	Filed
18	Prof. P. S. Raikar	Unmonitored legacy data Identification	L-162714/ 2025	35891/2024-CO/L	24/12/2024	Registered

Academic Year: 2023-2024

Sr. No.	Faculty Name	Title of the Copyright	Application No./ Registration No.	Diary No.	Date of Filing/Date of Registration	Current Status(Filed/Registered)
1	Prof. Dr. D. A. Godse	Identification of Counterfeit Products Using Machine Learning	L150100/ 2024	13499/2024-CO/L	27/06/2024	Registered
2	Dr. K. A. Malgi	Grievances collection based on AI multilingual chatbot	L-145094/ 2024	31267/2023-CO/L	16/03/2024	Registered
3	Dr. K. A. Malgi	Abhaya-Fostering Citizen-Police collaboration for safer cities through innovative technology	L-146422/ 2024	31610/2023-CO/L	09/04/2024	Registered
4	Prof. M. A. Rane	Robotic Framework for Revolutionizing Digital Marketing: an Innovative Paradigm	L-145817/ 2024	31261/2023-CO/L	26/03/2024	Registered
5	Prof. M. A. Rane	Robotic Framework for Requirement Management, Estimations, and Project Proposals	L-144755/ 2024	31262/2023-CO/L	13/03/2024	Registered
6	Prof. M. A. Rane	Accurate Prediction of Sepsis in ICU Patients	L-146765/ 2024	31282/2023-CO/L	18/04/2024	Registered
7	Prof. S. A. Sagar	AI-Driven File System Performance Optimization	L-145145/ 2024	31270/2023-CO/L	18/03/2024	Registered
8	Prof. S. A. Sagar	Cyber Security Compliances Using AI Driven Exercises	L-148556/ 2024	31259/2023-CO/L	30/05/2024	Registered
9	Prof. S. A. Sagar	Virtual Assistant for Visually Impaired	L-142780/ 2024	31336/2023-CO/L	06/02/2024	Registered
10	Prof. S. A. Hadke	Indian Currency Recognition for Blind and Visually Impaired People	L-146389/ 2024	31572/2023-CO/L	09/04/2024	Registered
11	Prof. S. A. Hadke	Disaster insight: Tweet analyzer	L146684/ 2024	31260/2023-CO/L	12/04/2024	Registered

12	Prof. A. D. Khairkar	Automated Quiz Generator and Exam Creator	L-144756/ 2024	31298/2023-CO/L	13/03/2024	Registered
13	Prof. A.D.Khairkar	AI Driven Food Safety using OCR	L-147305/ 2024	31263/2023-CO/L	01/05/2024	Registered
14	Prof. N. A. Mulla	Image / Video morphing, fine tuning for photo studios	L-145277/ 2024	31283/2023-CO/L	20/03/2024	Registered
15	Prof. K. V. Patil	Intelligent real estate assistant	L-145818/ 2024	31280/2023-CO/L	26/03/2024	Registered
16	Prof. K.V. Patil	Enhancing traffic Scene and understanding through image captioning and audio	L-145099/ 2024	31264/2023-CO/L	18/03/2024	Registered

Table 5.7.7 Summary details of Patents and Copyrights

Patents	2
Copyrights	34
Total	36

B. Ph.D guided/awarded during the assessment period while working in the Institute

Table 5.7.8 Ph.D guided during the assessment period while working in the Institute

Name of full time teacher with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.	Qualification (Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.) and Year of obtaining	Whether recognised as research Guide for Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit.	Year of Recognition as Research Guide	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution	Name of the scholar	Year of registration of the scholar	Title of the thesis for scholar
Prof. Dr. D. A.Godse	Ph.D in Computer Engineering, 24/12/2014	Yes	2018	Yes	-	-	-
Prof. Dr. K.A.Malgi	Ph.D in Computer Science and Engineering , 18/09/2020	No	-	Yes	-	-	-
Prof. Dr. N.A.Mulla	Ph.D in Computer Engineering,4/06/2024	No	-	Yes	-	-	-
Prof. Dr. S.S. Thite	Ph.D in Information Technology,28/04/2022	No	-	28th Feb. 2023	-	-	-

Table 5.7.9 Ph.D. awarded during the assessment period while working in the Institute

Sr.No.	Name of Faculty	Details of Faculty	University	Title of Research	Year of Completion

1	Prof. Dr. S.S. Thite	Awarded Ph.D. Degree in Information Technology	Bharati Vidyapeeth Deemed to be University	Design And Development of Security Algorithm for Cyber Physical System to Prevent Cyber Attacks	27th April 2022
2	Prof. Dr. N.A.Mulla	Awarded Ph.D. in Degree in Computer Engineering	Bharati Vidyapeeth Deemed to be University	An Archetypal for Test Case Generation and Classification in Agile using Orchestrated Raw Requirements Analysis	4th June 2024

Table 5.7.10 Faculty Pursuing Ph.D

Sr. No.	Name of Faculty	Research Topic	University	Guide Details	Date of Registration & Status
1	Prof. A. V. Kanade	Deep Learning Based Severity Prediction Model for Plant Leaf Disease Assessment	Bharati Vidyapeeth (Deemed to be University), Pune	Prof. Dr. Priyanka Paygude, Associate Professor, Department of Information Technology, Bharati Vidyapeeth College of Engineering (Deemed to be University),Pune	10th July 2023, Third presentation completed
2	Prof. A. D. Khairkar	Novel Artificial Intelligence model of Dental Implant for radiographic images using Deep Learning	Savitribai Phule Pune University,Pune	Prof. Dr.Sonali P. Kadam, Associate Professor, Department of Computer Engineering, Bharati Vidyapeeth's College of Engineering for Women, Pune	23rd July 2022, Third presentation completed
3	Prof.P. S. Raikar	Research Topic Title finalization in Process	Savitribai Phule Pune University,Pune	Prof. Dr.Chhaya Gosavi, Assistant Professor, Department of Computer Engineering, Cummins College of Engineering, Pune	29th June 2022, Course work completed

5.7.2 Sponsored Research (5) Institute Marks : 5.00

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount
Abhaya-Fostering Citizen-Police collaboration for safer cities through innovative technology	2023-2024	PCOMBINATOR (In-Kind)	250000.00
Robotic Framework for IT Recruitment	2023-2024	PCOMBINATOR (In-Kind)	210000.00
Cyber security compliances using AI driven excercises	2023-2024	PCOMBINATOR (In-Kind)	240000.00
ChatGPT Interfaced Quiz Generator	2023-2024	PCOMBINATOR (In-Kind)	180000.00
AI driven decision making for safety food/cosmetic using OCR	2023-2024	PCOMBINATOR (In-Kind)	270000.00
Image / Video morphing, fine tuning for photo studios	2023-2024	PCOMBINATOR (In-Kind)	230000.00
Robotic framework for customer care and digital marketing	2023-2024	PCOMBINATOR (In-Kind)	220000.00
Robotic Framework for Requirement Management, Estimations, and Project Proposals	2023-2024	PCOMBINATOR (In-Kind)	250000.00
Workflow Approval System for Common man using WhatsApp Integration	2023-2024	PCOMBINATOR (In-Kind)	225000.00
			Total Amount(X): 2075000.00

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount
NIL	NIL	NIL	0.00
			Total Amount(Y): 0.00

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount
Design And Development of Security Algorithm for Cyber Physical System to Prevent Cyber Attacks	2015-2022	Central Ministry of Electronics and Information Technology, Government of India	250000.00
Automatic generation of test cases with classification of generic test cases in agile	2019-2021	Assistance by SPPU for Project-based Innovative Research, IQAC, SPPU Pune	250000.00
			Total Amount(Z): 500000.00

Cumulative Amount(X + Y + Z) = 2575000.00

5.7.3 Development Activities (10)

Institute Marks : 8.00

A. Product Development

Product development serves as a dynamic platform where students transform their ideas into impactful innovations through final-year projects. These initiatives apply theoretical knowledge to real-world challenges, problem-solving abilities, and technical expertise. These project topics highlight addressing the needs of industry and society. This approach enhances students' engineering skills and equips them to contribute effectively in product development, and technological innovation.

Table 5.7.3.1 Product Development List

Sr. No.	Name of Faculty and Students	Title of the Project
1	Prof. S.A. Hadke Aishwarya Jagtap Pranjal Parwekar Parnavi Pipaliya Poonam Rajebhosale	PoseAlign SkeletonLandmark Estimation for Physiotherapy and Fitness
2	Prof. K.V. Patil Radhika Dhangare Gayatri Mahabudhe Prayuja Patil Pooja Gangane	Psychometric based career counseling
3	Prof. P.S. Raikar Arya Kesharwani Devanshi Koushal Lakshita Panchbhai Shreya Dhadse	Using AI/ML Recommend Nearest Recovery points
4	Prof. A. V. Kanade Smiti Chandwadkar Yogita Khalate Tanaya Mane Ghanishtha Anil Rane	Robotic Framework for IT Recruitment
5	Prof. K. V. Patil Shruti Mulay Jivani Suryawanshi Sejal Pawar Vaishnavi Walgude	Enhancing traffic Scene and understanding through image captioning and audio

B. Research laboratories

Objective:

The Research Lab in the Information Technology Department fosters curiosity and innovation among students. It offers a supportive space for working on mini and major projects, individually or in teams. Faculty can also use the lab for their research work.

Overview:

Purposefully set up to encourage high-level research and innovation, the lab is well-furnished with computing systems, essential research software, and dependable internet access through both wired (LAN) and wireless (Wi-Fi) networks. The daily operations are efficiently handled by a Lab Assistant under the supervision of the Lab In-Charge.

Facilities:

- Computers capable of supporting simulations and design-based tasks.
- Access to plagiarism detection tools (iThenticate) for research documentation.
- High-speed internet and Wi-Fi connectivity to facilitate research collaboration.
- A secure, well-maintained environment with extended availability hours.
- Mentorship and assistance from knowledgeable faculty and technical staff.

Benefits to Students:

The Research Laboratory delivers an experiential learning platform that enriches traditional classroom education. It empowers students to enhance key competencies in investigation, critical thinking, and applied problem-solving. Students using this lab gain the ability to:

- Tackle intricate technical challenges with assurance
- Implement classroom concepts in practical environments
- Design creative solutions using up-to-date technologies
- Work efficiently as part of research and development teams

C. Instructional materials

The Department of Information Technology is dedicated to the continuous development and enhancement of instructional materials to ensure effective curriculum delivery. This commitment supports the promotion of independent learning among students and aligns with the principles of outcome-based education. By regularly updating teaching resources, the department aims to provide a learning environment that not only meets academic standards but also equips students with the skills and knowledge necessary for their professional growth.

Instructional Material Developed:

- **Teaching Plans**: Comprehensive and well-structured teaching plans are developed for each subject, aligned with Course Outcomes (COs) and Program Outcomes (POs).
- **Lecture Notes**: Detailed notes prepared by faculty members are shared with students through Learning Management Systems (LMS) like Google Classroom.
- **Lab Manuals**: Practical courses are supported with lab manuals that include objectives, theoretical background, experimental procedures, conclusions, and viva questions.
- **PPTs and E-Content**: PowerPoint presentations and concise video lectures are created to help students grasp complex topics with greater clarity.
- **Question Banks**: Subject-wise question banks are compiled to aid in exam preparation and conceptual understanding.
- **Assignments**: Problem-solving assignments are designed for each topic to cultivate analytical thinking and design skills among students.

D. Working models/charts/monograms etc.

Our laboratories are equipped with comprehensive instructional materials and resources that support effective learning. Each lab showcases information on eminent scientists and their noteworthy contributions to the field, along with visual displays such as charts and posters illustrating ongoing or completed student projects. These educational aids enrich the academic environment, foster deeper student engagement, and bridge the gap between theoretical knowledge and practical application.

Table 5.7.3.4 Laboratory Chart Details

Sr. No.	Laboratory Name	Chart Name	Outcome
1	Network Laboratory	Open System Interconnection(OSI)	Understand Seven Layers of OSI Model
2	Operating System Laboratory	Operating System Types	Understand different types of operating systems are designed to meet the needs of various devices
3	Programming Laboratory	Steps to successful Startup	Understand the process of transforming an idea into a successful Startup, developing innovative software solutions, and gaining entrepreneurial skills
4	Software Laboratory	Time Complexities of Searching and Sorting Algorithm	Understand the time complexity of algorithms in best, average, and worst cases
5	System Laboratory	System Software	Understand the types of system software used to support and manage computer operations

6	Hardware Laboratory	Logic Gates	Understand the concepts of logic gates and their corresponding truth tables
7	Project Laboratory	Phases of Agile SDLC	Understand efficient and collaborative software development practices that align with evolving user needs, as applied in real-world scenarios

5.7.4 Consultancy(from Industry) (5) Institute Marks : 0.00

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount
NIL	NIL	NIL	0.00
			Total Amount(X): 0.00

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount
NIL	NIL	NIL	0.00
			Total Amount(Y): 0.00

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount
NIL	NIL	NIL	0.00
			Total Amount(Z): 0.00

Cumulative Amount(X + Y + Z) = 0.00

5.8 Faculty Performance Appraisal and Development System (FPADS) (30) Total Marks 28.00

Institute Marks : 28.00

A. A well-defined performance appraisal and development system instituted for all the assessment years

Institute has Performance Appraisal System for Teaching Faculty

Performance appraisal provides a periodic review and evaluation of individual staff performance. Performance appraisal is a systematics procedure to achieve the individual and institute goals. Performance appraisal helps to measure expected competency level set by the institute. The appraisal forms are filled and submitted in the administrative office once in a year by offline and online mode.

Appraisal Procedure:

Appraisal provides a common and unified measure of performance, so that all staff are evaluated in the uniform manner.

Appraisal Framework:

Appraisal of staff performance is carried out within a framework:

1. Self-Appraisal 2. Performance Appraisal 3. Confidential Report

Self Appraisal:

Self-Appraisal provides teaching engagement, teaching methodology, innovative ideas. It provides contribution in research area, contribution for college, community and corporate. It also measures special achievements, difficulties faced and suggestions for improvement.

Self-appraisal helps staff member to be more alert and competent. Self-appraisal helps to improve the quality of work performance. It is verified at the department level by Head of the department (HOD).

Performance Appraisal:

Performance appraisal gives us a complete information in the form of records. It provides actual conduction of practical and lectures. It provides Evaluation of individual staff by the Head of Department in planning, control, working methodology, actively contribution for college in different activities. Performance standards are measures by rating ‘excellent, good, average and poor’.

Performance appraisal helps HOD to analyze staff and to implement policies for the department.

Confidential Report:

Confidential Report provides ability of team work, teaching and participation in extracurricular activities It is a overall evaluation of staff by Head of the department.

Head of the department forwards confidential report with his/her remark for the further verification and approval of Principal and management.

B. Its implementation and effectiveness

Action Taken:

As part of the **Faculty Performance Appraisal and Development System (FPADS)**, the department takes this opportunity to formally acknowledge and appreciate the commendable contributions of faculty members across the core performance parameters: **Teaching-Learning, Research & Innovation, and Professional Engagement**. These recognitions are integral to fostering a culture of continuous growth, excellence, and accountability.

1. Teaching-Learning and Evaluation (Academic Excellence) (Department Level)

In alignment with FPADS parameters under **Academic Results and Student Outcomes**, the department appreciates the following faculty members for exemplary teaching performance reflected through student results with the criteria as follows.

If the course pass percentage is 100% for Second Year, Third Year, and Final Year.

Such results demonstrate effective curriculum delivery, outcome-based teaching methodologies, and consistent student engagement.

2. Research, Publications, and Doctoral Contributions (Institute Level)

Under the **Research and Academic Advancement** category of FPADS, the following achievements are specially recognized:

- Faculty members who **successfully completed their Ph.D** during the academic year (Appreciated by the Institute).
- Faculty members who have served as **Ph.D research guides for the research** scholars awarded their doctoral degrees under their guidance.
- Faculty contribution in publications in reputed journals and conferences (Appreciated by the Institute).

These accomplishments contribute significantly to the department’s research output and academic reputation.

3. Professional Development and Academic Leadership (Special Achievements) (Department Level)

In the area of **Professional and Institutional Contribution**, the department appreciates faculty members who have actively engaged in knowledge dissemination beyond the institute by:

- Serving as **invited speakers**, **resource persons**, or **experts** at national-level conferences, workshops, FDPs, academic panels etc.

Such activities reflect faculty leadership, subject expertise, and a commitment to contributing to the wider academic and professional community.

These acknowledgments form an integral part of the Faculty Appraisal and Development cycle. The department congratulates all recognized faculty for their dedication and impactful contributions.

Incentive Policy of the Institute:

The Institute has implemented the incentive policy as per the framework established by the management. The Faculty members of the institute are encouraged and rewarded with incentives for publishing articles in reputed journals, presenting at conferences, and contributing to books and book chapters.

Table 5.8.1 Incentive Scheme Details

Quartile	Amount (Rs.)
Scopus-Q1	10,000/-
Scopus-Q2	7,500/-
Scopus-Q3	5,000/-
Scopus-Q4	2,500/-
PubMed	7,500/-
Web of Science	7,500/-
UGC CARE Group-1	5,000/-
Conference paper indexed in IEEE, Springer, Elsevier and listed in Scopus, WoS, PubMed*.	5,000/-
Books and Book chapters published in Springer, Wiley, Elsevier, Oxford University Press and Listed in Scopus, WoS, PubMed*.	5,000/-

Effectiveness:

The quantity and quality of Research Publications by faculty have improved.

- The implementation of a structured incentive policy and the recognition framework under FPADS has contributed to a steady improvement in research output, with a increase observed in A.Y. 2024–25 when compared to the preceding two academic years.
- There has been an increase in Scopus-indexed and peer-reviewed journal publications, reflecting steady growth in both the quality and quantity of research. Faculty contributions have also broadened, with a gradual rise in copyright filings, conference publications, and book chapter contributions with reputed publishers such as Springer, Elsevier, and others.
- The successful organization of international conferences, namely the International Conference on Recent Trends in Science, Technology, and Management (ICRTSTM-2024 and ICRTSTM-2025), during the academic years 2023–24 and 2024–25, provided a valuable platform for faculty–student collaborative research. This led to the publication and presentation of joint papers. This sustained progress reflects the positive impact of the policy in encouraging research activities, supporting academic engagement, and gradually strengthening the institute's research culture and output.

Faculty members are encouraged to pursue higher qualifications.

- The incentive policy rewards research publications and academic achievements. This has created a motivating environment for faculty members. As a result, faculty are pursuing Ph.D. for career growth and recognition. A gradual increase in Ph.D. completions and research involvement has been observed.

Faculty members are recognised as subject chairman, examiners, paper setters and members of syllabus preparation/revision committee at affiliating university level.

- Several faculty members have demonstrated academic leadership by serving as subject chairpersons, examiners, paper setters, and syllabus committee members at the affiliating university. These roles highlight their expertise and contribution beyond the institute and serve as key indicators of effectiveness in the Faculty Appraisal and Development cycle.

5.9 Visiting/Adjunct/Emeritus Faculty etc. (10)

Total Marks 10.00

Institute Marks : 10.00

Visiting staff members strengthen our academic programs by sharing their expertise and insights across various fields.

Table 5.9.1 Visiting Details

Academic Year: 2024-2025						
Sr. No.	**Year & Semester**	**Name of Faculty**	**Industry / Institute**	**Class**	**Topic/Subject**	**No. of Hours**
1	2024-2025 (I and II)	Prof. Dr. S. S. Thite (Ph.D. in Information Technology)	Vishwakarma University, Pune	BE IT and SE IT	Copyright and Patents, Intellectual Property Right	52
Academic Year: 2023-2024						
2	2023-2024 (I and II)	Prof. Dr. S. S. Thite (Ph.D. in Information Technology)	Vishwakarma University, Pune	BE IT and SE IT	Copyright and Patents, Intellectual Property Right	58
Academic Year: 2022-2023						
3	2022-2023 (I)	Prof. Dr. Sunita Dhotre (Ph.D. in Computer Engineering)	Bharati Vidyapeeth College of Engineering (Deemed to be University),Pune	SE IT	Intellectual Property Rights	50

6 FACILITIES AND TECHNICAL SUPPORT (80)

Total Marks 70.00

6.1 Adequate and well equipped laboratories, and technical manpower (30)

Total Marks 25.00

Institute Marks : 25.00

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Network Laboratory	20	PC, Printer, UPS, Web Cam, Switch	30 Hrs	Ms. Anushri L. Shinde	Technical Lab Assistant	BE E&TC
2	Operating System Laboratory	20	PC, UPS, Web Cam, Switch	22 Hrs	Ms. Anushri L. Shinde	Technical Lab Assistant	BE E&TC
3	Software Laboratory	20	PC, UPS, Web Cam	32 Hrs	Mr. Akshay S. Gaikwad	Technical Assistant	M.Tech Computer
4	System Laboratory	20	PC, UPS, Switch, Web Cam	20 Hrs	Mr. Akshay S. Gaikwad	Technical Assistant	M.Tech Computer
5	Programming Laboratory	20	PC, UPS, Switch, Web Cam	20 Hrs	Mr. Akshay S. Gaikwad	Technical Assistant	M.Tech Computer
6	Hardware Laboratory	20	Digital Trainer Kit, Digital IC Trainer Kit, Arise PICV1.1,Arise RPI-V40	12 Hrs	Ms. Anushri L. Shinde	Technical Lab Assistant	BE E&TC
7	Project Laboratory	20	PC, UPS, Switch, Web Cam	14 Hrs	Mr. Shahaji N. Chavare	Senior Technology Support Engineer	MCA

6.2 Additional facilities created for improving the quality of learning experience in laboratories (25)

Total Marks 20.00

Institute Marks : 20.00

Sr. No	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students are expected to have enhanced learning	Relevance to POs/PSOs
1	Lab manual	Provide all practical Lab Manual to student	Practical Guidance	It is used by the students to understand various experiments	Understanding experimental procedures, analysis, and reporting skills across all practical subjects	PO1, PO2,PO3,PO4, PO5, PO10,PO12 PSO1, PSO2, PSO3
2	Educational Videos	Created by faculties	To make students aware of Latest technology	Understanding of course content through flexible, on-demand learning.	Concept clarity, exposure to emerging technologies, and self-paced learning	PO1, PO4, PO5, PO10, PO12, PSO3
3	iThenticate	Plagiarism Checker	iThenticate is an originality checking and plagiarism prevention service	Originality and integrity of written documents, particularly in academic, research, and professional publishing contexts.	Ethical writing, plagiarism awareness, and originality in academic and project work	PO5, PO8, PSO2
4	LCD projector	Epson	To improve the teaching learning process. And also, to facilitate student with a good learning environment	It is used by faculty and students. It is available throughout the year for utilization	Visual learning, presentation, and effective communication of technical ideas	PO5, PO10, PO12, PSO1, PSO3
5	Internet Facility	Ethernet/ Wi-Fi	For students to enhance their knowledge	It is available throughout the year for utilization	Research skills, real-time problem-solving, access to global resources for project and seminar work	PO4, PO5, PO10, PO12, PSO1, PSO2, PSO3
6	Department Library	Reference Books, Journals etc	To help students to enhance their knowledge with latest trends and updates in the field of technology	It is available throughout the year for utilization	Technical reading, critical thinking, and awareness of current industry trends	PO1, PO4, PO10, PO12, PSO1, PSO2, PSO3
7	Simulation software	Packet tracer for network development	To make students aware of Networking technology	It enhances practical networking skills without the need for physical hardware	Network design, configuration, and virtual implementation skills in real-world scenarios	PO1, PO2, PO3, PO4, PO5, PSO1, PSO3
8	GPU	Virtual GPU	To support GPU virtualization for AI/ML programs and project , cloud computing, and multi-user simulation platforms	Used in cloud-based VDI labs, AI model deployment practice, and remote GPU access	Cloud computing, GPU virtualization, deep learning deployment, infrastructure simulation	PO1, PO5, PO12, PSO2,PSO3

6.3 Laboratories: Maintenance and overall ambiance (10) Total Marks 10.00

Institute Marks : 10.00

All laboratories are well-equipped and properly maintained.Regular steps are taken in each laboratory to maintain equipment and ensure a clean and pleasant environment.

- Computer laboratories are assigned to students based on the academic requirements set by Savitribai Phule Pune University (SPPU).
- The respective program coordinators are responsible for creating lab schedules according to the students timetables.
- Each student is provided with an individual computer (1:1 student-to-computer ratio).
- The upkeep of the computer labs is managed by the Laboratory In-Charge, assisted by the Laboratory Assistant and system administrators, who handle repairs and system maintenance.
- All outdated and under-configured computers are disposed of through standard procedure.
- Any additional computer or infrastructure requirements are proposed by the Head of Department and forwarded to the Head of the Institute during the budget planning process.
- A stock register is maintained and regularly updated to keep track of all lab equipment.
- Only safe, secure, and reputable websites are permitted for access.
- At the end of each academic year, an institution conducts stock audit.
- Hardware maintenance is outsourced to a third-party service provider.

Ambience in the Department:

- The laboratories are thoughtfully designed to support an effective teaching and learning atmosphere.
- They are spacious, well-ventilated, and follow ergonomic principles to provide students with a comfortable and enriching academic environment.
- All labs are connected to a corridor for convenient access and enhanced safety.
- All labs are equipped with sturdy and comfortable work tables, chairs, and stools, which are regularly maintained.
- Excellent ventilation is ensured through large windows that promote air circulation, complemented by multiple ceiling fans.
- The lighting is bright and sufficient, provided by fluorescent tube lights. Curtains on the windows help control natural light for better visibility.
- Cleanliness is a priority; labs are kept spotless and orderly with daily cleaning by the housekeeping staff.
- Inspirational quotes from well-known figures and relevant technical content are displayed on boards positioned around the lab to motivate and inform students.

Procedure :

Procedure of maintenance is diagrammatically presented in Figure 6.3.1

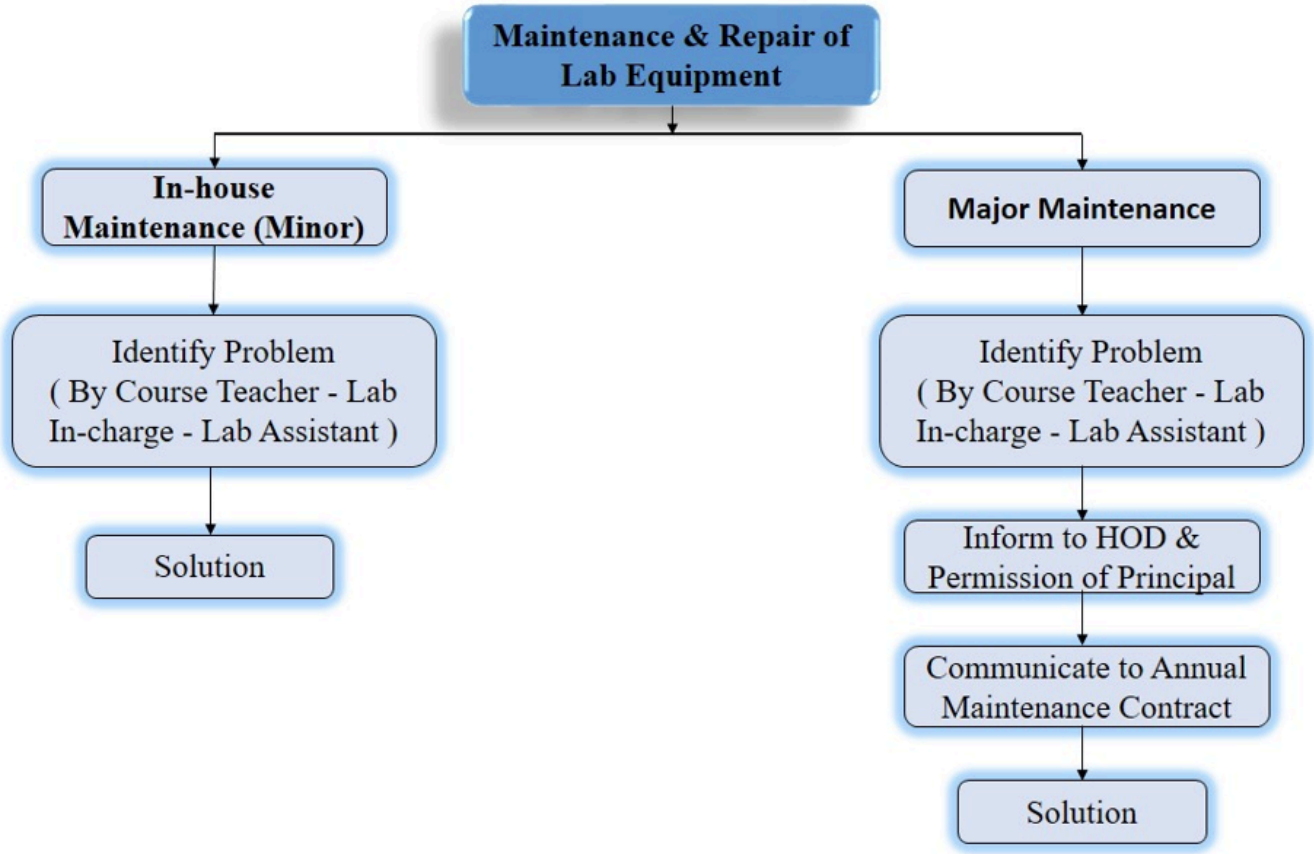


Figure 6.3.1 Procedure of Laboratory Maintenance
(https://ibb.co/5xBM6YVx)

6.4 Project laboratories (5) Total Marks 5.00

Institute Marks : 5.00

The Department of Information Technology has established a dedicated Project Laboratory to encourage innovation, practical learning, and technical growth among students.

- This facility provides an excellent platform for students to:
    - Gain hands-on experience
    - Enhance their technical expertise
    - Develop essential skills such as problem-solving, analytical thinking, mathematical aptitude, and decision-making—crucial for success in the dynamic field of Information Technology.
- The Project Laboratory comprises licensed and open-source software, along with the **iThenticate** plagiarism checker.
- Through this facility, students have successfully carried out many projects, some of which have won awards in competitions such as **Hackathons** and the **NES Project Competition**.
- The laboratory is equipped with high-end computers.
- Wired and wireless high-speed internet connectivity is available to all systems in the laboratory.
- The lab is utilized for conducting **final-year projects** and **third-year mini-projects**.

Table 6.4.1 Facilities and Utilization

Sr. No.	Particulars of the Facilities	Utilization
1	Programming: Python, JavaScript, PHP, AJAX Web Servers: XAMPP, Tomcat Server	Web Applications, Data Analysis, Statistical Analysis
2	Oracle, MySQL, MongoDB server	Database Server
3	StarUML,ArgoUML	Software Design and Architecture

Table A. 6.4.2 Lab Utilization for Final Year Project Work

Sr. No.	Name of Activity	A.Y. 2024-25	A.Y. 2023-24	A.Y. 2022-23	A.Y. 2021-22
1.	Projects	19	19	20	24

6.5 Safety measures in laboratories (10)

Total Marks 10.00

Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	Network Laboratory	• The Fire Extinguisher is placed at strategic location. • Uninterrupted power supply is provided through UPS. • Anti-virus is installed on each machine. • Proper earthing is ensured for all electrical installations. • Firewall is available in centralized server room. • Electronic surveillance system is installed in laboratory for video surveillance throughout the lab sessions
2	Operating System Laboratory	• The Fire Extinguisher is placed at strategic location. • Uninterrupted power supply is provided through UPS. • Anti-virus is installed on each machine. • Proper earthing is ensured for all electrical installations. • Firewall is available in centralized server room. • Electronic surveillance system is installed in laboratory for video surveillance throughout the lab sessions
3	Software Laboratory	• The Fire Extinguisher is placed at strategic location. • Uninterrupted power supply is provided through UPS. • Anti-virus is installed on each machine. • Proper earthing is ensured for all electrical installations. • Firewall is available in centralized server room. • Electronic surveillance system is installed in laboratory for video surveillance throughout the lab sessions
4	System Laboratory	• The Fire Extinguisher is placed at strategic location. • Uninterrupted power supply is provided through UPS. • Anti-virus is installed on each machine. • Proper earthing is ensured for all electrical installations. • Firewall is available in centralized server room. • Electronic surveillance system is installed in laboratory for video surveillance throughout the lab sessions
5	Programming Laboratory	• The Fire Extinguisher is placed at strategic location. • Uninterrupted power supply is provided through UPS. • Anti-virus is installed on each machine. • Proper earthing is ensured for all electrical installations. • Firewall is available in centralized server room. • The First aid box is placed at appropriate location
6	Hardware Laboratory	• The Fire Extinguisher is placed at strategic location. • Proper earthing is ensured for all electrical installations. • Firewall is available in centralized server room.
7	Project Laboratory	• The Fire Extinguisher is placed at strategic location. • Proper earthing is ensured for all electrical installations. • Firewall is available in centralized server room. • Anti-virus is installed on each machine.

7 CONTINUOUS IMPROVEMENT (50)

Total Marks 44.00

7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (20)

Total Marks 19.00

Institute Marks : 19.00

POs Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	1.5	1.80	• The target is attained. • Mathematics and Basic Engineering fundamentals need further reinforcement.
Action 1: Training on "Introduction to Python Programming & Machine Learning" was provided to students, enabling them to apply Python fundamentals to develop solutions for real-world engineering problems. Action 2: The students are motivated to complete the industry-relevant technical courses like AWS, Oracle, Infosys Springboard etc. to strengthen their practical engineering knowledge.			
PO 2 : Problem Analysis			
PO 2	1.5	1.89	• The target is attained. • Students find it difficult to formulate and analyze complex problems.
Action 1: A seminar on "A Framework to Start Writing Your Own OS" was conducted to help students conceptualize and design solutions for complex engineering problems by understanding and developing the core components of an operating system. Action 2: A seminar on "Brainstorming Project Ideas" was organized to enable students to identify, formulate, and analyze complex engineering problems by exploring innovative ideas. Action 3: Project guides instruct students to read at least five relevant research papers to enhance project knowledge and prepare effective literature review for problem analysis.			
PO 3 : Design/development of Solutions			
PO 3	1.5	1.74	• The target is attained. • Some students are still developing the ability to connect the software artifacts learned with real-world problem-solving applications.
Action 1: Workshops and seminars were organized under the Student Development Officer (SDO) and through National Service Scheme (NSS) camps, focusing on women's health, public health and safety, as well as cultural, societal, and environmental issues. Action 2: With active guidance and encouragement from faculty, students participated in prestigious competitions such as Avishkar, Dipex, NES, and Smart India Hackathon (SIH), where they designed and developed innovative solutions to real-world problems.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	1.5	1.61	• The target is attained. • Students find it difficult to understand complex problems and synthesize data for real-time problem solving.
Action 1: Students are encouraged to publish their research including experimental design, data analysis and interpretation, and information synthesis leading to valid conclusions in reputed journals and conferences, and to secure copyrights for their original work. Action 2: Students are encouraged to do industry sponsored projects to enhanced skills to investigates or analyze real life complex problem.			
PO 5 : Modern Tool Usage			
PO 5	1.5	1.69	• The target is attained. • Students apply modern tools and technologies essential for computing practices.
Action 1: Seminar on "Full Stack Development and Generative AI" was conducted to give students practical exposure to modern programming frameworks and AI tools for real-world applications. Action 2: Students use modern software tools such as Jupyter, VS Code, Cisco Packet Tracer, OpenGL, Docker, Tableau, and MongoDB during lab sessions to strengthen practical skills. Action 3: Students are encouraged to undergo Zensar industrial training and internships to gain hands-on experience with modern tools and technologies used in development.			
PO 6 : The Engineer and Society			
PO 6	1.5	1.67	• The target is attained. • Students should learn the importance of creating solutions that benefit both people and the environment.
Action 1: A seminar on "Metabolic Health Awareness" was conducted to help students understand societal health issues and recognize their professional responsibilities. Action 2: Through activities like the Cleanliness Drive and Voter Awareness Campaign, students are engaged in community service and made aware of their social responsibilities via NSS. Action 3: Students are inspired to use their free slots productively by reading newspapers and magazines on social and health-related topics, and by discussing these insights with peers.			
PO 7 : Environment and Sustainability			
PO 7	1.5	1.46	• The target is not attained. • The number of projects addressing environmental concerns needs to be increased.

Action 1: Digital platforms like Google Classroom, ERP software, e-newsletters, etc., are used to reduce paper usage, promote eco-friendly practices, and contribute to environmental conservation. Action 2: Students are guided to undertake mini projects under the courses "Database Management System" and "Web Application Development," as well as major projects addressing public health, safety, culture, society, and environmental issues. Action 3: As part of NSS activities, a tree plantation program was successfully organized to promote environmental awareness. Action 4: Students are encouraged to immerse with the idea of eco-friendly Ganesh idol making workshop and thereby making students aware about the sustainability and environmental responsibilities.			
PO 8 : Ethics			
PO 8	1.5	1.56	• The target is attained. • Ethical values are instilled in the students throughout their journey at the college.
Action 1: A comprehensive course on personality development, soft skills, and communication skills was successfully conducted for students fostering their professional growth and confidence. Action 2: Plagiarism detection software is provided to help students adhere to research ethics. Action 3: Students are made aware of the code of conduct through display boards.			
PO 9 : Individual and Team Work			
PO 9	1.5	1.96	• The target is attained. • Some students find it challenging to work independently on assigned tasks and effectively coordinate within a team.
Action 1: Students are evaluated individually through seminar, mock interviews, internship and project presentations. Action 2: Final-year projects, mini-projects, and Project-Based Learning (PBL) activities are assigned to groups of 3 to 4 students to foster teamwork and enhance collaboration skills.			
PO 10 : Communication			
PO 10	1.5	1.58	• The target is attained. • As students come from diverse backgrounds, some may have limited verbal and interpersonal communication skills.
Action 1: Mock interviews, Seminars, internship presentations, and PBL presentations are organized to strengthen communication and presentation skills. Action 2: Capacity-building programs are organized to enhance students' communication skills and boost their confidence.			
PO 11 : Project Management and Finance			
PO 11	1.5	1.76	• The target is attained. • Students need to enhance about project management and finance.
Action 1: Third year and final-year students undertake mini and major projects, guided by faculty who encourage collaborative and team-based work. Action 2: Students are encouraged to take part in various technical events such as project competitions and hackathons.			
PO 12 : Life-long Learning			
PO 12	1.5	1.70	• The target is attained. • Internship programs, career guidance and projects help students develop skills for independent and lifelong learning.
Action 1: A seminar on "Importance of Meditation in Our Life" was conducted to encourage students to adopt lifelong practices for personal growth, stress management, and continuous self-improvement. Action 2: Career guidance sessions on topics such as studying abroad, future career opportunities, cybersecurity fundamentals, and launching a career in cybersecurity, etc., were organized to provide insights into higher education and entrepreneurship.			

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Graduates will possess knowledge of IT infrastructure, data management systems, networking, and security.			
PSO 1	1.5	1.56	• The target is attained. • Students know the basics of IT infrastructure, data management, networking, and security, but they need more practice and real-world experience.
Action 1: Assigned mini projects to students to enhance their practical understanding and problem-solving skills. Action 2: Students are encouraged to participate in idea competition like the Smart India Hackathon to foster collaborative learning and exposure to real-time problem-solving.			
PSO 2 : Graduates will be able to understand and apply algorithmic techniques and programming skills for providing software solutions in the IT industry.			
PSO 2	1.5	1.64	• The target is attained. • Students able to understand and apply algorithmic techniques and programming skills to design and develop effective software solutions for real-world problems in the IT industry.
Action 1: A seminar on "Data Structures" was organized to help students enhance their understanding of algorithmic techniques and programming skills for developing efficient software solutions in the IT industry. Action 2: A seminar on "Current Trends in the Industry and Internship Awareness" was organized to enable students to acquire and demonstrate technical competencies.			
PSO 3 : Graduates will be capable of acquiring and demonstrating technical competencies in emerging technologies of Information Technology			
PSO 3	1.5	1.63	• The target is attained. • Graduates able to acquire, adapt to, and apply technical competencies in emerging technologies of Information Technology.
Action 1: A hands-on workshop on "AI, IoT, and Automation" was organized to enable students to acquire and demonstrate technical competencies in emerging areas of Information Technology, aligning with industry trends. Action 2: Career guidance sessions, expert talks, and alumni interactions organized which focused on careers in emerging tech domains and higher education opportunities.			

7.2 Academic Audit and actions taken thereof during the period of Assessment (10) Total Marks 9.00

Institute Marks : 9.00

An academic audit systematically evaluates the departmental processes and strategies to ensure quality assurance and foster continuous improvement. To support the ongoing development of students, faculty, and the department as a whole, focused efforts are undertaken strengthen the effectiveness of teaching and learning practices.

Objectives of the Academic Audit:

- To evaluate the quality of teaching and learning practices within the department.
- To identify strengths and areas for improvement in academic programs.
- To ensure academic standards are maintained and suggest steps for continuous improvement.

The academic audit is carried out through two practices:

1. The Internal Audit

2. The External Audit

I. Internal Audit

The internal audit is conducted as per the guidelines by Internal Quality Assurance Cell (IQAC). The major criteria, along with the methodology for conducting the audit across these units, are systematically presented in Table 7.2.1

Table 7.2.1: Framework for Conducting Internal Audits

Assessment criteria of audit	Conduct mechanism	Responsible authority	Frequency of audit
Academic calendar audit	• Review of department academic calendar compliance. • Report on planned and actual event dates.	HOD and IQAC	Twice in a semester
Course file audit	• Verification of contents of course file with respect to contents specified as per the standard format of the course file. • Preparation of reports for compliance and enhancement.	HOD and IQAC	End of semester
Syllabus completion audit	• Monitoring the progress of curriculum delivery. • Ensuring compliance with the teaching plan. • The Guardian Faculty Member (GFM) prepares the syllabus completion report through course teachers of respective class at the end of every month.	GFM, HOD, IQAC coordinator and Principal	Monthly
Internal examination audit	• Assessment of question paper quality. • Verification of questions according to Course Outcomes (CO) and Bloom's Taxonomy (BT). • Acceptance/rejection of paper Based on CO mapping, BT Levels, marking scheme and question paper format.	Internal evaluation committee	For every internal examination (UT1 and UT2)
Laboratory audit	• Monitoring of conduction of practical sessions. • Practical completion report filled in Academic Record Book (ARB). • Monitoring of rubrics based/continuous assessment of practical work evaluation through ARB and Enterprise Resource Planning (ERP). • Checking of lab attendance register, lab manual, notice boards and sample files.	HOD and IQAC coordinator	Monthly

Activity audit	• Report preparation for all activities conducted for students. • Audit of event like capacity building, ITECHSA activities, Student chapter activities, industrial visit etc.	Event coordinator, HOD and IQAC	End of semester
Attendance monitoring	• The GFM prepares the monthly attendance report. • Submission of all attendance reports to academic coordinator. • Preparation of defaulter list and communicates to the parent regarding the progress of students.	GFM, HOD, IQAC coordinator and Principal	Monthly
Student performance	• Performance analysis of students in the internal examination e.g. unit tests. • Student progress report of unit test submitted to department exam coordinator. • Identification of weak and bright students. • Activities conducted for weak and bright students progress.	Course teacher and internal evaluation committee	After conduction of unit test
Faculty mentoring	• Conduction of faculty mentoring activity. • Recording the mentoring report by mentor.	Mentor, HOD and IQAC coordinator	Thrice in a semester
Student mentoring	• Conduction of the student mentoring activity by student counsellor. • Monitoring the student mentoring activity.	Mentor, HOD and IQAC coordinator	Thrice in a semester
Feedback analysis	• End semester feedback analysis. • Analysis of feedback and corrective actions taken.	Feedback committee	End of semester
CO-PO and CO-PSO Attainment	• Framing of unit tests and theory assignments questions as per COs and Blooms Taxonomy (BT) Level • CO-PO mapping with curriculum. • CO evaluation based on internal assessment tools. • Attainment of POs and PSOs.	Course teacher, CO-PO coordinator, HOD and IQAC	End of semester

The process of continuous improvement is guided by an action plan developed in alignment with the assessment criteria of the academic audit. This plan identifies specific areas for enhancement across teaching, learning, and departmental operations based on audit findin
The detailed action plan is presented in Table 7.2.2, outlining targeted initiatives, responsible authorities, and timelines for implementation.

Table 7.2.2: Academic Audit report and action plan

Assessment criteria of audit	Audit reports	Action plan
Academic calendar audit	• Compliance report of planned and conducted date of the event.	If any event is not conducted according to the scheduled date, the event is rescheduled by the concerned faculty.
Course file audit	• Course file audit report.	If any faculty member fails to complete the necessary documentation, the HoD and IQAC coordinator initiate follow-up actions to ensure timely completion.
Syllabus completion audit	• Syllabus completion report.	If there is a delay in course content delivery as per the teaching plan, the concerned faculty is personally advised by the HoD. Suggestions are provided, and faculty members are encouraged to conduct extra classes to ensure timely completion of the syllabus.
Internal examination audit	• Question paper preparation and answer sheet evaluation audit report.	Each faculty prepares the question paper for the assigned course, and respective members of the internal examination evaluation committee verify it. The members suggest the modification based on Course Outcomes and Blooms Taxonomy.

Laboratory audit	• Practical completion report.	As per the lab assignment completion status, if any experiment is found lagging as per the plan, the concerned faculty will be guided by the HoD and advised to conduct extra sessions to ensure timely completion.
Activity audit	• Event report.	If the event report is not completed by Event coordinator then HOD reminds about its completion.
Attendance monitoring	• Class wise monthly attendance. • Preparation of defaulter list.	The GFM compiles a monthly attendance report for each class and identifies students who are not having upto the mark attendance. At the end of the semester, parents of such students are informed of a meeting with higher authorities.
Student performance	• Student progress report for internal marks. • Course wise student progress report.	The retest/oral is scheduled for failed and absent students in unit tests. The status of the same is maintained in the Aacademic Record Book (ARB).
Faculty mentoring	• Mentoring activity report.	Mentor provides the remarks to the mentee for the smooth and effective conduction of the course. Mentor also provides the guidance on course planning, content delivery, student engagement, and timely assessment to ensure quality teaching and learning outcomes.
Student counseling	• Counseling activity report.	If counsellor reports are incomplete, the department mentor coordinator reminds them and ensures the work is completed.
Feedback analysis	• Analysis of feedback.	Faculty are encouraged to improve in the teaching-learning process based on feedback received from students.
CO-PO and CO-PSO attainment	• Observation report.	CO-PO and CO-PSO attainment is observed and the actions are taken for the improvement.

II. External Audit

The aspects of external audits are:

a. Annual Quality Assurance Report (AQAR)

b. Academic and Administrative Audit (AAA)

a. Annual Quality Assurance Report (AQAR):

The IQAC collectively prepares the AQAR including all the departments at institute level. The report shows the progress made on the plans created by the IQAC at the start of the year. It includes the actions taken to improve quality and the results achieved by the end of t year.

b. Academic and Administrative Audit (AAA):

Following are the objectives for conducting Academic audit at the institute:

- Maintaining the quality in teaching learning process
- Verifying and updating learning resources developed by the faculty.
- Maintaining quality in continuous assessment and evaluation of the same.

Process of Academic and Administration Audit is mentioned as below:

The AAA is a peer review process including a self-study and a site visit by peers from inside and outside the institution. The purpose of an academic audit is to encourage programs, departments and the institution to evaluate their quality and standards on predetermin benchmarks and to suggest activities required to improve the quality of the whole system in place including curricular and co-curricular programs and activities and the infrastructure and support services.

The external committee conducts the Academic and Administrative Audit (AAA) across all departments, administrative units, and facilities. All documents must be personally verified by the committee members. The external committee prepares a report in the prescrib format and submit it to the IQAC.

The IQAC conducts the meeting with external committee members to discuss the findings. Based on their visit, observations, and discussions with the IQAC the external committee gives their remarks on the report. A detailed action plan is then prepared to implement t suggestions step by step in an organized way.

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10) Total Marks 7.00

Institute Marks : 7.00

Following table 7.3.1 shows comparative analysis of placement, higher studies and entrepreneurship for the Academic Year 2023-24, 2022-23 and 2021-22.

Table 7.3.1: Comparative analysis of Placement, Higher Studies and Entrepreneurship

Item	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
Total no. of final year students	64	67	61
No. of students placed in the companies or government sector	47	40	52
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level tests, GRE, GMAT etc.)	2	7	9
No of students turned entrepreneur in engineering/technology	0	1	0
Total count of placement, higher study and entrepreneur	49	48	61
Percentage	76.56	71.64	100

A. Improvment in placements numbers, quality placement, core hiring industry and pay packages

1. Number

Students are consistently securing placements every year. The demand in the IT sector has created numerous job opportunities for Information Technology (IT) engineering students. Students are consistently guided and supported to achieve their career goals.

Table 7.3.2: List of Placed Students Count for three years

Year	No. of students in final year	No. of students placed	Placement in percentage
2021-22	61	52	85.24%
2022-23	67	40	59.70%
2023-24	64	47	61.84%

2. Quality of Placements

Leading companies such as Capgemini, TCS, Persistent, Zensar, BNY Mellon, Standard Chartered,Amazon etc. regularly recruit the students from our department.

3. Core Industry

Students are getting better opportunities in core companies, with placements in both reputed multinational firms and small to medium-sized industries.

Table7.3.3: Core industry from A. Y. 2021-22 to 2023-24

Academic Year	Number of students placed	Name of Industry	Number of students placed	Package in LPA

2023-24	40	STANDARD CHARTERED GBS	1	8.25
		BNY MELLON	2	10.63
		ACCENTURE	3	4.4 - 4.5
		AMDOCS	9	6.5
		IBM	2	4.5
		FIS	2	8.5
		CAPGEMINI	12	4 - 4.25
		WALMART GLOBAL TECH	1	22
		TCS	2	3.37 - 7
		DIGITAL PARKER	1	4.5
		PUBLICIS SAPIENT	2	4.58
		WESTERN UNION	1	7.25
		SYNECHRON TECHNOLOGIES PVT. LTD.	1	4.5
		HUMMING BYTE TECHNOLOGIES PVT. LTD.	1	4.5
2022-23	34	PERSISTENT	5	4 - 7.5
		CAPGEMINI	7	5.25 - 5.75
		NIELSENIQ	4	5.75 - 11.5
		TCS	4	3.5 - 7
		AMDOCS	2	6.5
		ACCENTURE	2	4.15
		CIMPRESS	2	12
		HURON	1	4
		NTT DATA	1	5
		STRIDELY SOLUTIONS	2	4
		YARDI SOFTWARE INDIA PVT. LTD.	1	5.5
		KPIT	1	4.5
		FIGMD (INDIA) PVT. LTD.	1	3.25
		PITNEY BOWES INDIA PVT. LTD.	1	9.2
		PERSISTENT	5	4 - 7.5
		CAPGEMINI	7	5.25 - 5.75

2021-22	39	PERSISTENT	2	4.71
		ACCENTURE	10	4.4 - 4.5
		CAPGEMINI	8	4 - 7.5
		WIPRO	6	3.5
		EINFOCHIPS	3	3.5 - 4
		ATOS	1	3.4
		EURONET	4	4
		MSYS TECHNOLOGIES	3	4
		COGNIZANT	1	4
		NVIDIA (AI/ML, CORE TECH)	1	5.43
		PMK NETWORKS PVT. LTD. (NETWORKING/IT)	1	7.15
		PERSISTENT	2	4.71

4. Pay Packages

Salary packages are an important factor in choosing a company, but many students also prefer roles that match their interests and offer a good reputation. As a result, some talented students pursue higher studies. Salary and benefits are steadily increasing each year.

Table 7.3.4 Yearwise Details of Minimum, Average and Maximum Package

Year	No. of Graduate Students	No. of students placed	Placement in percentage (%)	Min Package (LPA)	Average Package (LPA)	Max Package (LPA)	Number of students received highest package	Number of students received package >= 5 LPA
2023-24	64	47	61.84	3	5.75	22	1	17
2022-23	67	40	59.70	3.25	5.91	12	2	28
2021-22	61	52	85.24	3.4	4.38	7.5	2	5

B. Improvement in Higher Studies admissions

Table 7.3.5 shows the number of students pursuing higher studies across various programs such as M.Tech/M.E., M.S./M.Sc., MBA/PGDM, and others, including specialized courses like Engineering Management and Information Technology Management. Over the past three years, students have consistently opted for higher studies, with M.S./M.Sc. programs being the most preferred, reflecting a strong interest in research and specialization

Table 7.3.5 Yearwise Details of Higher Studies

Name of Program	2023-24	2022-23	2021-22
M.Tech/M.E.	1	-	2
M.S./M.Sc.	1	2	4
MBA/PGDM	-	3	2

Others	-	2	1
Total	2	7	9

C. Improvement in number of Entrepreneurs

NIL

7.4 Improvement in the quality of students admitted to the program (10)

Total Marks 9.00

Institute Marks : 9.00

Item		2024-25	2023-24	2022-23
National Level Entrance Examination	No of students admitted	7	5	7
JEE	Opening Score/Rank	87.23	89.16	90.55
	Closing Score/Rank	47.34	69.31	20.83
State/ University/ Level Entrance Examination/ Others	No of students admitted	53	46	47
MH-CET	Opening Score/Rank	93.21	93.29	92.60
	Closing Score/Rank	13.06	12.13	11.29
Name of the Entrance Examination for Lateral Entry or lateral entry details	No of students admitted	13	15	8
	Opening Score/Rank	90.17	88.44	91.12
Diploma Exam	Closing Score/Rank	83.60	75.34	85.12
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		69	64	67

8 FIRST YEAR ACADEMICS (50)

Total Marks 36.42

8.1 First Year Student-Faculty Ratio (FYSFR) (5)

Total Marks 5.00

Institute Marks : 5.00

Please provide First year faculty information considering load for the particular program

Name of the faculty member	PAN No.	Qualification	Date of Receiving Highest Degree	Area of Specialization	Designation	Date of joining	Teaching load (%)			Currently Associated (Yes / No)	Nature Of Association (Regular / Contract)	Date Of leaving(In case Currently Associated is 'No')
							CAY	CAYm1	CAYm2			
Dr.G.G.Patil	AKDPP1063B	Ph.D	07/09/2015	Physical Education	Assistant Professor	01/07/2020	100	100	100	Yes	Regular	
Dr.M.K.Kapse	AXPPK0292E	Ph.D	30/10/2023	English	Assistant Professor	16/10/2024	100	0	0	Yes	Regular	
Dr.S.S.Khan	DYUPK0818K	Ph.D	26/08/2023	Mathematics	Assistant Professor	05/11/2024	100	0	0	Yes	Regular	
Mr.S.R. Mitkari	ALJPM4479P	M.Sc	26/09/2001	Mathematics	Assistant Professor	02/02/2005	100	100	100	Yes	Regular	
Mr.Y.D.Kute	AWHPK6609C	M.Tech	21/05/2018	Mechanical Engineering	Assistant Professor	03/07/2007	100	100	100	Yes	Regular	
Mrs. D.P. Chop	AIMPC1525E	M.Tech	14/01/2012	Electrical Engineering	Assistant Professor	02/08/2007	100	100	100	Yes	Regular	
Mrs. U.S. Zope	BYBPS8842R	M.Tech	16/10/2015	Mechanical Engineering	Assistant Professor	02/01/2012	100	100	100	Yes	Regular	
Mr.K.B. Naikwa	AJHPN8180A	M.Sc	08/07/2008	Mathematics	Assistant Professor	12/09/2016	100	100	100	Yes	Regular	
Mrs.S.R.God	AFUPV1281P	M.E.	17/12/2005	Civil Engineering	Assistant Professor	17/08/2023	100	100	0	Yes	Regular	
Mr.A.B.Vitekar	ADWPV8474A	M.E.	28/11/2015	Electronics Engineering	Assistant Professor	04/08/2009	100	100	100	Yes	Regular	
Mrs. K.S.Sawa	CBLPS5417B	M.Tech	31/01/2015	Information Technology	Assistant Professor	18/09/2010	100	100	100	Yes	Regular	
Mr.K.S.Aware	CRSPA6167P	M.Tech	13/09/2023	Civil Engineering	Assistant Professor	04/11/2024	100	0	0	Yes	Regular	
Dr. S.S.Jadhav	AFCPA5581R	Ph.D	15/02/2022	Chemistry	Assistant Professor	18/07/2019	100	100	100	Yes	Regular	
Dr.A.Pawar	AIGPP7322L	Ph.D	29/03/2019	Mechanical Engineering	Associate Professor	25/09/2000	100	100	100	Yes	Regular	
Dr.M.A.Patwar	APJPP8841C	M.Sc. (Physics) and Ph.D.	29/11/2024	Physics	Assistant Professor	07/08/2006	100	100	100	Yes	Regular	
Prof.Dr.P.V.Jad	AGKPJ6476H	Ph.D	09/05/2014	Mechanical Engineering	Professor	07/03/2024	100	0	0	Yes	Regular	
Mrs. Bonsale N	DMMPM5181D	M.E.	28/01/2023	Computer Science and Engineering	Assistant Professor	14/10/2024	100	0	0	Yes	Regular	

Year	Number Of Students(approved intake strength) N	Number of Faculty members(considering fractional load) F	FYSFR (N/F)	*Assessment=(5*20)/FYSFR(Limited to Max.5)
2022-23(CAYm2)	240	11	22	5
2023-24(CAYm1)	240	12	20	5
2024-25(CAY)	300	17	18	5
Average	260	13	20	5

8.2 Qualification of Faculty Teaching First Year Common Courses (5) Total Marks 3.33

Institute Marks : 3.33

Year	x (Number Of Regular Faculty with Ph.D)	y (Number Of Regular Faculty with Post graduate Qualification)	RF (Number Of Faculty Members required as per SFR of 20:1	Assessment Of Faculty Qualification [(5x + 3y) / RF]
2022-23	3	10	12	3.00
2023-24	3	11	12	4.00
2024-25	4	12	15	3.00

Average Assessment: 3.33

8.3 First Year Academic Performance (10) Total Marks 8.09

Institute Marks : 8.09

Academic Performance	2024-25	2023-24	2022-23
Mean of CGPA or mean percentage of all successful students(X)	8.73	7.74	8.71
Total Number of successful students(Y)	53.00	49.00	60.00
Total Number of students appeared in the examination(Z)	55.00	53.00	60.00
API [X*(Y/Z)]	8.41	7.16	8.71

Average API[(AP1+AP2+AP3)/3] : 8.09

Assessment [1.5 * Average API] : 8.09

8.4 Attainment of Course Outcomes of first year courses (10) Total Marks 10.00

8.4.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done (5)

Institute Marks : 5.00

First Year Engineering (2019 Pattern)

[Common to All UG Engineering Programs]

(With effect from Academic Year 2019-20)

Assessment and Attainment Process

Assessment refers to a systematic set of processes undertaken by the institution to identify, collect, and analyze data that evaluates the achievement of **Course Outcomes (COs)** and **Program Outcomes (POs)**. **Attainment** signifies the degree to which students achieve the desired learning outcomes, primarily gauged through academic performance in tests, examinations, and other evaluative tools.

Assessment methods are broadly categorized into **Direct** and **Indirect** approaches. This section focuses on the **Direct Assessment Method**, which provides tangible evidence of student learning by evaluating their performance in unit tests, semester examinations, assignments, and practical assessments. These evaluations are mapped directly to specific COs, which in turn are linked to relevant POs.

Direct Assessment Method

The Direct Assessment Method evaluates the extent to which students achieve COs through continuous assessment tools such as:

- **Internal Assessments** (20% weightage): Unit Tests, Assignments, and other classroom-based evaluations.
- **External Assessments** (80% weightage): University In-Semester and End-Semester Examinations.

Each component is aligned with specific COs. Internal assessments assess student performance via unit-wise tests and assignments, offering insights into their conceptual understanding, technical skills, and communication abilities. Assignments may also include oral components to further evaluate comprehension and articulation.

University examinations are evaluated after result declaration, and the marks obtained in In-Semester (30 marks) and End-Semester (70 marks) are mapped against COs and corresponding POs. The cumulative data offers a quantitative measure of attainment for each course.

Attainment Levels

Course Outcome attainment is calculated based on the percentage of students exceeding a predefined target:

- **Level 1:** ≥ 40% of students score above the set target
- **Level 2:** ≥ 50% of students score above the set target
- **Level 3:** ≥ 60% of students score above the set target

At the beginning of each semester, faculty define the **Course Set Target** based on the average marks of all students. If the **Course Attainment** meets or exceeds this target, the course is considered **Attained**; otherwise, it is marked as **Not Attained**, prompting identification of improvement areas and the formulation of an **Action Plan**.

Corrective Measures for Non-Attainment of COs and POs

When CO and/or PO attainment targets are not met, the following corrective actions are initiated:

1. **Revision of Teaching Methodologies**
   Instructional strategies are evaluated and improved to better align with COs and support effective student learning.
2. **Improvement of Assessment Tools**
   Assessment methods are reviewed to ensure they accurately measure student performance with respect to the intended outcomes.
3. **Faculty Development Initiatives**
   Faculty members are encouraged to participate in Faculty Development Programs to enhance teaching effectiveness and promote adoption of innovative pedagogical techniques.
4. **Enhancement of Learning Resources**
   Academic materials and digital content are updated or expanded to provide comprehensive support for student learning.

5. **Strengthening Student Support Services**
   Additional mentoring, remedial classes, and counseling are offered to assist students in meeting the expected COs and POs.

These actions aim to continuously improve educational quality and ensure that students achieve the desired graduate attributes.

Structure of Direct Assessment Implementation

The continuous internal evaluation is structured as follows:

- **Unit Test I** (30 marks) covers Units 1 and 2.
- **Unit Test II** (30 marks) covers Units 4 and 5.
- **Assignment I** (15 marks) evaluates Unit 3.
- **Assignment II** (15 marks) evaluates Unit 6.

Assignments are designed to promote self-learning and are assessed not just on written content but also through **oral examinations**, focusing on comprehension, communication, and technical knowledge.

For university examinations:

- **In-Semester Exam** (30 marks) covers the first two units.
- **End-Semester Exam** (70 marks) covers the remaining four units.

Final grades and marks are published in the university mark sheet, as per the defined **university evaluation scheme** (refer to Table 8.4.1.1).

Table 8.4.1.1: University marks scheme

Marks Range	Grade Points	Grade	
90-100	10	O	Outstanding
80-89	9	A	Very Good
70-79	8	B	Good
60-69	7	C	Fair
50-59	6	D	Average
40-49	5	E	Below Average
Below 40	0	F	Fail
FX	Detained, Repeat the Course		
IC	Incomplete- Absent for Exam but continue for course		
AC	Audit Course Completed		
ACN	Audit Course Not Completed		

Theory Course Performance – University Assessment

The University Examination scheme has two examinations, first is In-semester examination for 30Marks with 1 hr. duration and an End-semester examination for 70 Marks of 2 and a half hr duration. All the COs are distributed as shown in Table 8.4.1.2

Table 8.4.1.2: Distribution of COs for University Theory Exam						
Assessment Tool	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
University Theory In semester Exam	15%	15%				
University Theory End semester Exam			18%	17%	18%	17%

Theory Course Performance – Internal Assessment

Internal Assessment performance is calculated based on the marks scored by the student in Unit Test-I (30), Unit Test-II (30), and Assignment. Assignment is given for each unit and all subjects for self-learning. The COs are distributed as shown in Table 8.4.1.3

Table 8.4.1.3 Distribution % of COs (Theory)						
Assessment Tool	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Unit Test – I	15%	15%				
Unit Test - II				20%	20%	
Assignment I			15%			
Assignment II						15%

The overall Percentage Distribution for assessing COs based on Internal assessment tests for theory subjects is shown in Table 8.4.1.4

Table 8.4.1.4 Distribution % of Assessment Methods (Theory)				
Assessment Tool	**UT - I**	**UT - II**	**Assignment - I**	**Assignment -II**
% Distribution	30%	40%	15%	15%

Lab Performance: Internal Assessment

During the Laboratory session, the student practically performs all the experiments with the help of various equipment's and software to enrich their knowledge in various domains. The students maintain the observations and practical notebook for each Laboratory course which reflects their work during the laboratory session and verified by the respective subject teacher. Lab assessment is carried out on continuous basis and record is maintained in the Academic Record Book.

National Education Policy (NEP)-2020 Compliant Curriculum

First Year Engineering (2024 Pattern)

[Common to All UG Engineering Programs]

(With effect from Academic Year 2024-25)

Guidelines for Examination Scheme

Theory Examination: The theory examination shall be conducted in two different parts Comprehensive Continuous Evaluation (CCE) and End-Semester Examination (ESE).

Internal Evaluation Comprehensive Continuous Evaluation (CCE) of 30 marks

University Evaluation End-Semester Examination (ESE) of 70 marks

Comprehensive Continuous Evaluation (CCE)

Comprehensive Continuous Evaluation (CCE) of 30 marks based on all the Units of course syllabus to be scheduled and conducted at Department level. To design a Comprehensive Continuous Evaluation (CCE**)** scheme for a theory subject of 30 marks with the specified parameters, the allocation of marks and the structure can be detailed as follows:

Table 8.4.1.5 Distribution of Assessment Marks

Sr.	Parameters	Marks	Coverage of Units
1.	Unit Test	12 Marks	Units 1 & Unit 2 (6 Marks/Unit)
2.	Assignments / Case Study	12 Marks	Units 3 & Unit 4 (6 Marks/Unit)
3.	Seminar Presentation / Open Book Test/ Quiz	06 Marks	Unit 5

Table 8.4.1.6 Distribution % of COs CCE (Theory)

Assessment Tool	CO1	CO2	CO3	CO4	CO5
Unit Test – I	6%	6%			
Assignment I			6%		
Assignment II				6%	

Seminar Presentation / Open Book Test/ Quiz					6%

Format and Implementation of Comprehensive Continuous Evaluation (CCE)

Unit Test:

Format: Questions designed as per Blooms Taxonomy guidelines to assess various cognitive levels (Remember, Understand, Apply, Analyze, Evaluate, Create).

Implementation: Schedule the test after completing Units 1 and 2. Ensure the question paper is balanced and covers key concepts and applications.

Sample Question Distribution:

- Remembering (2 Marks): Define key terms related to [Topic from Units 1 and 2].
- Understanding (2 Marks): Explain the principle of [Concept] in [Context].
- Applying (2 Marks): Demonstrate how [Concept] can be used in [Scenario].
- Analyzing (3 Marks): Compare & contrast [Two related concepts] from Units 1 and 2.
- Evaluating (3 Marks): Evaluate the effectiveness of [Theory/Model] in [Situation].

Assignments / Case Study:

Students should submit one assignment or one Case Study Report based on Unit 3 and one assignment or one Case Study Report based on Unit 4.

Format: Problem-solving tasks, theoretical questions, practical exercises, or case studies that require in-depth analysis and application of concepts.

Implementation: Distribute the assignments or case study after covering Units 3 and 4. Provide clear guidelines and a rubric for evaluation.

Seminar Presentation:

Seminar Presentation Format:

- Oral presentation on a topic from Unit 5, followed by a Q&A session.
- Deliverables: Presentation slides, a summary report in 2 to 3 pages, and performance during the presentation.

Implementation: Schedule the seminar presentations towards the end of the course. Provide students with ample time to prepare and offer guidance on presentation skills.

Open Book Test:

Format: Analytical and application-based questions to assess depth of understanding.

Implementation: Schedule the open book test towards the end of the course, ensuring it covers critical aspects of Unit 5.

Quiz :

Format: Quizzes can help your students practice existing knowledge while stimulating interest in learning about new topic in that course. You can set your quizzes to be completed individually or in small groups.

Implementation: Online tools and software can be used create quiz. Each quiz is made up of a variety of question types including multiple choice, missing words, true or false etc

End-Semester Examination (ESE)

End-Semester Examination (ESE) of 70 marks written theory examination based on all the unit of course syllabus scheduled by university. Question papers will be sent by the University through QPD (Question Paper Delivery). University will schedule and conduct ESE at the end of the semester.

Question Paper Design

Below structure is to be followed to design an End-Semester Examination (ESE) for a theory subject of 70 marks on all 5 units of the syllabus with questions set as per Blooms Taxonomy guidelines and 14 marks allocated per unit.

Balanced Coverage: Ensure balanced coverage of all units with questions that assess different cognitive levels of Blooms Taxonomy: Remember, Understand, Apply, Analyze, Evaluate, and Create. The questions should be structured to cover:

- Remembering: Basic recall of facts and concepts.
- Understanding: Explanation of ideas or concepts.
- Applying: Use of information in new situations.
- Analyzing: Drawing connections among ideas.
- Evaluating: Justifying a decision or course of action.
- Creating: Producing new or original work (if applicable).

Detailed Scheme: Unit-Wise Allocation (14 Marks per Unit): Each unit will have a combination of questions designed to assess different cognitive levels. By following this scheme, you can ensure a comprehensive and fair assessment of students understanding and application of the course material, adhering to Blooms Taxonomy guidelines for cognitive skills evaluation.

Table 8.4.1.7 Distribution % of COs ESE (Theory)

Assessment Tool	CO1	CO2	CO3	CO4	CO5
ESE	14%	14%	14%	14%	14%

Guidelines for Term Work Evaluation

Term Work assessment shall be conducted for the theory courses, lab practical, VSE, IKS, AEC and CCC assignments submitted in journal form. Term work is continuous assessment based on work done, submission of work in the form of report/journal, timely completion, attendance, and understanding.

It should be assessed by subject teacher of the institute and the final grade for a Term Work shall be assigned based on the performance of the student and is to be submitted to the Savitribai Phule Pune University (SPPU) at the end of the semester.

Evaluation Criteria:

Completeness (20%): All practical assignments are included, completed, and properly labeled. Reflective entries are present for each practical assignment.

Quality of Work (40%): Practical assignments are completed with a high level of accuracy and thoroughness. Demonstrates a strong understanding of practical techniques and principles. Reflective entries provide meaningful insights into the learning process.

Organization (20%): The journal is well-organized and easy to navigate. Practical assignments and reflections are clearly labeled and ordered chronologically. Supplementary materials are appropriately linked and referenced.

Presentation (10%): The journal is neatly presented and free of spelling and grammatical errors. Includes a cover page with the students name, course title, and submission date. Utilizes a consistent format and style throughout.

Creativity and Engagement (10%): Demonstrates creativity in approach and presentation. Engages deeply with the practical work, going beyond surface-level understanding. Shows evidence of critical thinking and personal engagement with the assignments.

Table 8.4.1.8 Distribution % of COs TW (Practical/Tutorial)

Assessment Tool	CO1	CO2	CO3	CO4	CO5
TW/PR/Tutorial	20%	20%	20%	20%	20%

8.4.2 Record the attainment of Course Outcomes of all first year courses (5)

Institute Marks : 5.00

Justification for Setting CO Attainment Target Levels

The Course Outcome (CO) attainment target levels were set as:

- **1.5 for 2021–22**
- **1.6 for 2022–23**
- **1.7 for 2023–24**

These targets were decided based on the following reasons:

1. **Based on Past Performance:**
   The target of 1.5 was set in 2021–22 by looking at the average performance of students in previous years. It was a realistic starting point.
2. **Gradual Improvement:**
   To improve the quality of teaching and learning each year, we increased the target slightly. This helps faculty to focus more on student learning and take steps like giving better study materials and extra support.
3. **Continuous Improvement:**
   This step-by-step increase helps the institute improve steadily over time. It encourages teachers and students to do better each year.

The attainment level for each course is determined by the respective faculty member. For all first-year subjects in the academic years 2021–22, 2022–23, and 2023–24, Course Outcome (CO) attainment has been evaluated using a weighted system: 80% from university examination performance and 20% from internal assessment tests.

Table 8.4.2.1 Attainment of Course Outcomes (AY 2023-24)

Course Code NBA	Subject code	Subject name	Target Level for CO Attainment	Total CO Attainment	Remarks
C1101	107001	Engineering Mathematics-I	1.7	2.38	Attained
C1102P	107002	Engineering Physics	1.7	2.4	Attained
C1102C	107009	Engineering Chemistry	1.7	3	Attained
C1103	102003	Systems in Mechanical Engineering	1.7	2.20	Attained
C1104EE	103004	Basic Electrical Engineering	1.7	3	Attained
C1104EX	104010	Basic Electronics Engineering	1.7	2.1	Attained

C1105P	110005	Programming and Problem Solving	1.7	2.1	Attained
C1105E	101011	Engineering Mechanics	1.7	2.10	Attained
C1201	107008	Engineering Mathematics-II	1.7	2.13	Attained
C1205	102012	Engineering Graphics	1.7	2.9	Attained
C1106	111006	Workshop	1.7	3	Attained
C1206	110013	Project Based Learning	1.7	3	Attained

Table 8.4.2.2 Attainment of Course Outcomes (AY 2022-23)

Course Code NBA	Subject code	Subject name	Target Level for CO Attainment	Total CO Attainment	Remarks
C1101	107001	Engineering Mathematics-I	1.6	2.37	Attained
C1102P	107002	Engineering Physics	1.6	2.1	Attained
C1102C	107009	Engineering Chemistry	1.6	2.13	Attained
C1103	102003	Systems in Mechanical Engineering	1.6	2.3	Attained
C1104EE	103004	Basic Electrical Engineering	1.6	2.8	Attained
C1104EX	104010	Basic Electronics Engineering	1.6	2.07	Attained

C1105P	110005	Programming and Problem Solving	1.6	2.1	Attained
C1105E	101011	Engineering Mechanics	1.6	2.00	Attained
C1201	107008	Engineering Mathematics-II	1.6	2.52	Attained
C1205	102012	Engineering Graphics	1.6	2.4	Attained
C1106	111006	Workshop	1.6	3	Attained
C1206	110013	Project Based Learning	1.6	3	Attained

Table 8.4.2.3 Attainment of Course Outcomes (AY 2021-22)

Course Code NBA	Subject code	Subject name	Target Level for CO Attainment	Total CO Attainment	Remarks
C1101	107001	Engineering Mathematics-I	1.5	2.37	Attained
C1102P	107002	Engineering Physics	1.5	1.8	Attained
C1102C	107009	Engineering Chemistry	1.5	2.4	Attained
C1103	102003	Systems in Mechanical Engineering	1.5	2.96	Attained
C1104EE	103004	Basic Electrical Engineering	1.5	3	Attained

C1104EX	104010	Basic Electronics Engineering	1.5	2.41	Attained
C1105P	110005	Programming and Problem Solving	1.5	2.4	Attained
C1105E	101011	Engineering Mechanics	1.5	3.00	Attained
C1201	107008	Engineering Mathematics-II	1.5	1.84	Attained
C1205	102012	Engineering Graphics	1.5	3	Attained
C1106	111006	Workshop	1.5	3	Attained
C1206	110013	Project Based Learning	1.5	3	Attained

8.5 Attainment of Program Outcomes from first year courses (20) Total Marks 10.00

8.5.1 Indicate results of evaluation of ezch relevant PO and/ or PSO, if applicable (15) Institute Marks : 5.00

POs Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C1101	2.38	2.38	PO3	1.59	1.59	PO6	PO7	PO8	PO9	0.79	PO11	0.79
C1102P	2.4	1.6	1.6	2.4	1.92	PO6	PO7	PO8	2.4	1.6	PO11	1.6
C1102C	3	2.5	1.8	1.7	PO5	3	1.5	PO8	1.8	1	PO11	1
C1103	2.2	1.71	1.17	0.88	0.73	1.47	1.32	PO8	PO9	0.73	PO11	0.73
C1104EE	2.67	2	2	2	PO5	2	PO7	PO8	1	1	PO11	1.5
C1104EX	2.1	1.28	1.17	PO4	1.05	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C1105P	1.4	1.4	1.28	1.4	1.4	PO6	PO7	PO8	0.88	1.4	PO11	1.4
C1105E	2.1	2.1	1.17	0.7	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C1201	2.13	2.13	PO3	1.42	1.42	PO6	PO7	PO8	PO9	0.71	PO11	0.71
C1205	2.9	1.93	1.45	PO4	2.09	1.33	PO7	PO8	PO9	1.61	PO11	PO12
C1106	3	1	3	PO4	PO5	3	PO7	1	2	PO10	PO11	2
C1206	3	2	2.75	2.75	2.75	2.25	2.25	2.25	3	2.5	2.25	3

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.44	1.84	1.74	1.65	1.62	2.18	1.69	1.62	1.85	1.26	2.25	1.41
CO Attainment	2.44	1.84	1.74	1.65	1.62	2.18	1.69	1.62	1.85	1.26	2.25	1.41

PSOs Attainment:

Course	PSO1	PSO2	PSO3
	PSO1	PSO2	PSO3

8.5.2 Actions taken based on the results of evaluation of relevant POs (5)

Institute Marks : 5.00

POs Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	1.5	2.44	Attainment is good but still 19% below ideal. CO-PO mapping is moderate; deeper lab integration recommended.
Action Taken: Action 1. Extra practice sessions arranged for difficult topics. Action 2. Collaborative learning strategies such as Think-Pair-Share were implemented during key conceptual discussions to promote peer interaction, critical thinking, and deeper understanding of the subject matter.			
PO 2 : Problem Analysis			
PO 2	1.5	1.84	Attainment is above target, but 39% below ideal. Scope exists for deeper conceptual and analytical training.
Action Taken: Action 1. Explained real-world use of science in class. Action 2. Used simple models to explain key concepts.			
PO 3 : Design/development of Solutions			
PO 3	1.5	1.74	Attainment is above target. Still 42.33% below ideal. Design-thinking needs reformed.
Action Taken: Action 1. Group activities included in tutorials. Action 2. Extra examples solved during lab sessions.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	1.5	1.65	Attainment is barely above target. Moderate mapping. Project -based learning needs enhancement.
Action Taken: Action 1. Small group projects introduced. Action 2. Students asked to present simple solutions to problems.			
PO 5 : Modern Tool Usage			
PO 5	1.5	1.62	Attainment is below target and 46% below from ideal. Tools not well-integrated. Mapping needs improvement.
Action Taken: Action 1. Basic design tasks given as assignments. Action 2. Encouraged students to explain their logic. Action 3. Encouraged students to work with Virtual Lab by IIT Bombay and Amrita University			
PO 6 : The Engineer and Society			
PO 6	1.5	2.18	Attainment is good but still 28% below ideal. CO-PO mapping is moderate; Community projects may help bridge gap.
Action Taken: Action 1. Regular mentor meetings conducted. Action2. Students guided to take part in social activities.			
PO 7 : Environment and Sustainability			
PO 7	1.5	1.69	Attainment is barely above target. 43.67% below ideal. More experiential learning needed.
Action Taken: Action 1. Poster-making on environment awareness conducted. Action 2. Classroom discussion on sustainable habits.			
PO 8 : Ethics			
PO 8	1.5	1.62	Attainment is above target but 46% below ideal. More focuss on Case studies is needed.
Action Taken: Action 1.Discussed basic workplace practices in class.			
PO 9 : Individual and Team Work			
PO 9	1.5	1.85	Attainment is Moderately achieved but below 38.33% from ideal. Peer assessment or structured group tasks could help.

Action Taken: Action 1. Students were actively encouraged to participate in NSS activities to develop a sense of social responsibility. Action 2. Students were motivated to contribute as volunteers during institutional and community events, enhancing their teamwork and organizational skills.			

PO 10 : Communication

PO 10	1.5	1.26	Target not attained. 58% below ideal. Communication needs strong integration and tracking.
Action Taken: Action 1.Commumication skills are encouraged. Action 2. Group discussions encouraged. Action 3. Basic tips for presentations shared.			

PO 11 : Project Management and Finance

PO 11	1.5	2.25	Though attainment is good ; still 25% below from ideal. Integrating budgeting and real planning exercises for carrying out Mini Projects is needed.
Action Taken: Action 1. Students motivated to join coding or idea competitions Action 2. Simple team activities held in class.			

PO 12 : Life-long Learning

PO 12	1.5	1.41	Target not attained. 52.33% gap from ideal. Need for structured self-learning modules.
Action Taken: Action 1. Introduced students to professional bodies like IEEE. Action 2. Motivated students to read Journal articles, Technical magazines.			

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Graduates will possess knowledge of IT infrastructure, data management systems, networking, and security.			
PSO 1			
PSO 2 : Graduates will be able to understand and apply algorithmic techniques and programming skills for providing software solutions in the IT industry.			
PSO 2			
PSO 3 : Graduates will be capable of acquiring and demonstrating technical competencies in emerging technologies of Information Technology			
PSO 3			

9 STUDENT SUPPORT SYSTEMS (50) Total Marks 44.00

9.1 Mentoring system to help at individual level (5) Total Marks 4.00

Institute Marks : 4.00

Student Mentoring System-

A mentoring relationship is established to support students in developing their skills, expanding their knowledge, and fostering personal and professional growth. Our students come from various parts of Maharashtra also from India, often residing far from home. So, they require consistent mentoring and counseling support, both on a personal and professional level. To address this, each faculty member is assigned as a mentor to a group of 20 to 25 students and the meetings conducted thrice in a semester. Additionally, a **Guardian Faculty Member (GFM)** is appointed for each class to ensure the smooth conduct of academic activities.

The institute has implemented a robust and effective mentoring system designed to assist students in multiple domains—**coursework, laboratory work, professional guidance, career advancement**, and a**ll-round Development**. This mentoring is provided by the **Principal**, **Heads of Departments (HODs)**, **Guardian Faculty Members (GFMs)**, **Course Coordinators**, and other **professional experts**.

Role of the Principal

The Principal addresses students at the beginning of first year, introducing them to academic procedures, available campus facilities, and the curriculum's relevance in the current industrial and societal context. During this session, stakeholders such as alumni and employers are also introduced to inspire students and align them with real-world expectations. The Principal remains accessible to students for academic concerns or facility-related issues via email, SMS, or in-person meetings. Regular updates about important events, academic performance, attendance, and examination schedules are communicated through notices. The Principal holds weekly meetings with the Heads of Departments (HODs), during which he also reviews students' performance in exams and their attendance.

Role of Vice Principal

The Vice Principal plays a pivotal role in ensuring the effectiveness of the student mentoring system. They act as a bridge between the Principal and academic departments, monitoring the mentoring activities across all levels. The Vice Principal regularly reviews reports from HODs, Guardian Faculty Members (GFMs), and Course Coordinators to ensure timely resolution of student concerns related to academics, discipline, or personal issues. They also help design strategies to improve the mentoring framework, address escalated student grievances, and ensure smooth coordination between faculty and administrative units for student support. Through periodic meetings and feedback mechanisms, the Vice Principal ensures that student development remains a continuous and focused priority.

Internal Quality Assurance Cell

IQAC plays a strategic role in enhancing the effectiveness and quality of student mentoring. They ensure that the mentoring system aligns with institutional objectives and quality benchmarks set by accreditation. The coordinator monitors the planning, implementation, and documentation of mentoring activities across departments. They collect feedback from students and mentors to assess the impact of mentoring and recommend improvements. By conducting awareness sessions through Anti-ragging, ICC and SGRC cells, the IQAC Coordinator ensures that mentoring contributes to the overall academic, emotional, and professional development of students in a systematic and measurable manner.

Role of the Head of Department (HOD)

HOD's meets with students, accompanied by the GFM. These meetings provide a platform for students to voice concerns regarding academics, discipline, or infrastructural facilities. The HOD takes necessary action or escalates the matter to the Principal, if required. HODs also communicate essential information, instructions, notices on online platform.

Role of the Guardian Faculty Member (GFM)

GFM is a Guardian faculty member of a particular class who plays an important role in mentoring of students. GFM also acts as mediator between student and parents.

Objectives of GFM:

- To bridge the gap between the students, faculty and parents.
- To monitor the academic involvement & progress of students.
- To solve issues faced by the students & address their grievances.
- To communicate with the wards parents & provide necessary counseling.
- To enlighten students on professional ethics & conduct.

Responsibilities of a GFM:

- Ensuring timely conduct of lectures and practical sessions, arranging substitutes when faculty are on leave.
- Holding regular meetings with students to discuss academic or personal issues.
- Identifying students with low attendance and offering guidance.
- Maintaining regular communication through calls, WhatsApp, and emails.
- Assisting with administrative processes, academic grievances, and personal matters.
- Promote the students to participate in co-curricular & extra- curricular activities for their all-round development as well as competitive examinations for their further studies.
- Staying in touch with parents to discuss student progress.
- Providing support during medical emergencies and offering motivation for academic success.

Types of Mentoring

- **Professional Guidance**

Each department has a Training and Placement Coordinator who works in coordination with the central Training and Placement Cell to connect with the students. Seminars and workshops are conducted to keep students informed about current industry trends and to equip them with essential skills. Industry experts, HR managers, technical experts interact with the students in online or offline mode for providing professional guidance. AWS academy and Oracle academy industry experts provide company specific professional guidance by conducting workshops, seminars and certification courses at the institute level. Faculty members also guide students on emerging areas such as startups, entrepreneurship, and innovations in various industries through various courses taught in the curriculum such as Project Management, Digital Marketing, Innovation & Entrepreneurship, Digital Business Management etc.

- **Career Advancement**

Institute has an exclusive Career Guidance cell to support students in their higher education and career goals. Guest lectures and seminars of eminent speakers are organized to conduct sessions such as GATE, GRE, TOEFL, entrepreneurship, and competitive exams. Many of these initiatives are also conducted through active student chapters at the departmental level. Students are motivated to undertake projects, write technical papers for conferences and journals, and participate in various technical competitions.

- **Coursework-Specific Mentoring**

Coursework-specific mentoring focuses on supporting students in understanding and excelling in their academic subjects. Faculty members play a key role in this by teaching both theory and practical of the syllabus. They assist students in resolving doubts, guide them in solving question papers, and help them prepare for internal assessments and oral examinations. Remedial lectures and practical are conducted by the course teacher for better understanding of the concept, topics and experiments of the respective course. Additionally, course teacher takes feedback in regular classes for continuously improving the teaching-learning process.

- **Laboratory-Specific Mentoring**

For laboratory sessions, each faculty member is assigned a batch of students from particular class. The laboratory manuals are prepared to give instructions and procedures for conducting the laboratory experiments. Continuous assessment is carried out for maintaining discipline, punctuality and regularity. Faculty help students to understand experimental setups, conduct experiments, and address queries specific to lab work. Feedback is taken about the understanding of assignment/experiment. Special attention is given towards slow learners while performing the laboratory experiments. Tutorials are discussed in groups so that the queries are resolved.

- **All-round Development**

The institute promotes holistic development by encouraging students to participate in various social clubs that enhance both interpersonal and intrapersonal skills. Opportunities are provided for organizing and engaging in sports activities, while the annual national-level technical and cultural festival fosters creativity, leadership, and teamwork. Students are also motivated to contribute articles, poems, and both technical and non-technical content to the college magazine.

The **National Service Scheme (NSS)** plays a vital role in shaping students personalities through community service, inspiring them to take part in social initiatives that build responsibility, discipline, and a spirit of national integration. Under the **Student Development Section (SDO)**, the institute organizes self-defense workshops and gender sensitization seminars. Additionally, students are encouraged to benefit from the Earn and Learn Scheme to support their education financially while gaining practical experience. Internal complaint committee, Anti-ragging committee, Grievances committee are constituted at the institute level to support the students.

- **Faculty as a Mentor**

Each class has three batches. One faculty is assigned as a student mentor for each batch. Faculty member conducts batch-wise mentoring. There are three mentoring meetings as per academic calendar in a semester. Students issues are discussed in meetings, and staff members offer advice to students with their coursework, extracurricular activities, and co-curricular. Attendance, Unit test performance, family and personal issues, issues related to hostel food and facilities, payment of college and examination fees, remedial actions etc. are the points of discussion in the meetings. Students propose actions to be taken for improvement in the teaching learning process and other support facilities. These suggestions are conveyed to the appropriate level of authority for further necessary action.

List of Mentors -

Table 9.1.1 Mentor List 2024-25 Sem I

Class	GFM	Roll Numbers	Mentors
SE	Prof. Dr. N. A. Mulla	2301-2325	Prof. Dr. D. A. Godse
		2326-2350	Prof. A. V. Kanade
		2351 onwards	Prof. Dr. N. A. Mulla
TE	Prof. S. A. Sagar	3301-3326	Prof. S. A. Sagar
		3327-3351	Prof. S. A. Hadke
		3352-3376	Prof. A. D. Khairkar
BE	Prof. K. V. Patil	4301-4324	Prof. Dr. K. A. Malgi
		4325-4348	Prof. M. A. Rane
		4349-4372	Prof. K. V. Patil

Table 9.1.2 Mentor List 2024-25 Sem II

Class	GFM	Roll Numbers	Mentors

SE	Prof. A. V. Kanade	2301-2325	Prof. Dr. D. A. Godse
		2326-2350	Prof. S. A. Sagar
		2351 - 2375	Prof. A. V. Kanade
TE	Prof. S. A. Hadke	3301-3323	Prof. Dr. K. A. Malgi
		3324-3346	Prof. S. A. Hadke
		3347-3368	Prof. N. G. Bonsale
BE	Prof. M. A. Rane	4301-4324	Prof. M. A. Rane
		4325-4348	Prof. Dr. N. A. Mulla
		4349-4372	Prof. K. V. Patil

- **Mentor Mentee Ratio :**

Table 9.1.3 Faculty Mentor: Student Mentee Ratio

Academic Year	Class	No. of Students	Total Students	No of Faculty	No. of students per mentor
2024-25	SE	75	214	09	23.78
	TE	68			
	BE	71			
2023-24	SE	74	224	09	24.89
	TE	74			
	BE	76			
2022-23	SE	76	235	10	23.5
	TE	78			
	BE	81			
Average Faculty Mentor: Student Mentee Ratio					**1:24**

9.2 Feedback analysis and reward /corrective measures taken, if any (10) Total Marks 9.00

Institute Marks : 9.00

Yes, feedback is collected for all courses.

For every course, student input is gathered once every semester. Over 90 percent of students participate in the feedback. At the conclusion of specific study modules, students receive an email invitation with a link to a quick online feedback form. Over the course of a single academic year, this process takes place every six months. As per the institute academic calendar at the conclusion of each odd or even semester in a respective academic year, the student feedback process is carried out.

The following concerns are the main emphasis of the student feedback form:

1. Basic questions related to the study unit
2. A comparison between the description of the study unit and its actual delivery
3. Methodology for delivering lectures
4. Qualities of lecturers
5. Assessment technique
6. Administration and resources
7. Extra remarks (if any)

- **Effectiveness of feedback**

1. To give students a chance to offer feedback on the caliber of educational experiences, as needed in advance of and during review procedures
2. To evaluate the effectiveness of instructional offerings in light of students expectations
3. To offer input to enhance the study units content and/or delivery.
4. To Improve teaching learning process
5. To Improve CO-PO attainment

- **The Types of stakeholder's feedback collected are as follows:**

1. Student's Feedback Form
2. Parent's Feedback form
3. Course Feedback Form
4. Employers Feedback Form
5. Alumni Feedback Form
6. Graduate Exit Survey
7. External Examiner Feedback
8. External internship Mentor feedback
9. Workshop/ seminar/ activity feedback

Feedback Process –

The Institute is committed to maintaining a robust feedback mechanism involving various stakeholders. The centralized feedback committee collects feedback from students, teachers, parents, alumni, and employers to enhance the overall development of the institution. Key aspects of the feedback process include:

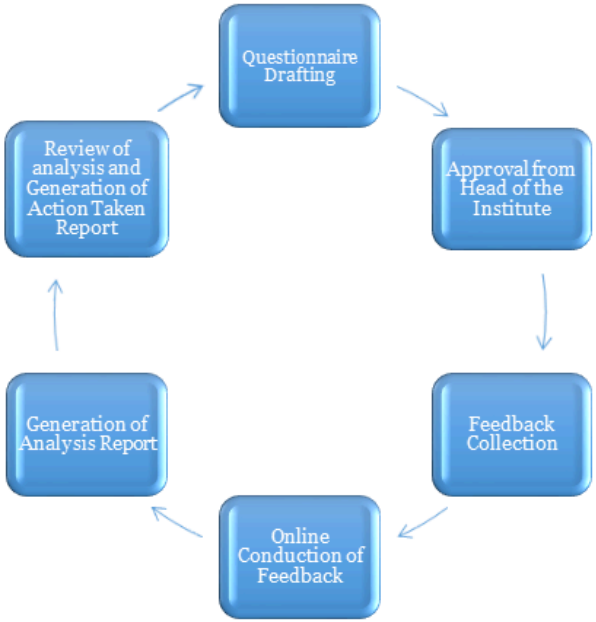


Figure 9.2.1 Feedback Process

- **Questionnaire Drafting**

Drafting of questionnaires for feedback involves meticulous formulation of questions based on mapping of program outcomes (Pos) and perspectives from stakeholders, with a focus on areas identified for improvement. This process adheres to NAAC guidelines, ensuring questions are structured to align with institutional goals.

- **Approval from the Head of the Institute**

Approval from the Head of the institute further ensures that the feedback collection process facilitates comprehensive insights from stakeholders, contributing to continuous enhancement and compliance with accreditation standards.

- **Feedback Collection**

Feedback is collected through different methods over the years to ensure maximum participation and accurate data gathering.

2018-2019 to 2021-2022:

Methods Used: Feedback was gathered via Google Forms.

Organization: Stakeholders were managed through Google Groups for efficient communication and distribution of forms.

2022-2023 Onwards:

The new feedback collection approach utilizes the Institutes ERP portal, "vmedulife," where faculty and students log in to submit feedback on educational aspects. Employers, alumni, and other stakeholders provide feedback through external links generated from the "vmedulife" portal. This transition enhances data management, accessibility, and participation, facilitating comprehensive insights for continuous institutional improvement.

- **Generation of Analysis Report**:

Upon collection, the feedback will undergo analysis, utilizing appropriate statistical methods tailored to each stakeholder group. Results will be presented graphically to enhance clarity and understanding, aligning with the mode of data collection (offline or online).

- **Review of analysis and Generation of Action Taken Report**

Analysis results are reviewed by committees such as IQAC, DAB, and PAC. Meetings with faculty, staff, and administration are held to discuss findings and necessary actions.

- **Action Planning:**

Action plans are developed based on the review. Responsibilities are assigned to relevant individuals or departments.

- **Implementation of Actions:**

Actions such as additional classes, career programs, and the incorporation of modern pedagogical tools are implemented. Regular monitoring ensures proper implementation. Actions are monitored and documented.

- **Reporting and Feedback Loop:**

Outcomes are reported to stakeholders. Stakeholder feedback is collected for future planning and continuous improvement. This systematic approach ensures effective utilization of feedback for continuous improvement in academic and administrative practices**.**

- **Basis of reward / corrective/remedial measures for feedback on faculty by students**

From the Academic year 2024 -2025 institute has decided, faculty members graded above 90% will receive a certificate of appreciation and a token of recognition for each course. Those graded below 90% will be individually counselled by the HOD/Principal and advised to seek assistance from senior faculty, attend refresher/orientation courses, observe senior faculty classes, watch relevant instructional videos, and interact with peers, students, and alumni to identify and address weak areas. However, faculty may opt to withdraw from the subject for one semester for thorough preparation and improvement. This iterative process is designed to enhance teaching quality**.**

TYPES OF FEEDBACK

Feedback mechanisms are integral in maintaining and enhancing the quality of academic and administrative processes in educational institutions. At our institute, a structured and comprehensive feedback system has been implemented to gather insights from various stakeholders, including students, faculty, alumni, employers, and parents. This system ensures continuous improvement and alignment with stakeholder expectations, contributing to the institutions overall quality and effectiveness. The following types of feedback are collected:

1. Academic Performance and Institution Ambience Feedback:

Collected annually from teachers, students, alumni, and employers to assess and improve the academic environment and overall institutional atmosphere. This feedback is initiated from academic year 22-23

2. Faculty Feedback by Students:

Conducted at the end of every semester to enhance the teaching-learning process. Students provide feedback on faculty performance, which is crucial for identifying areas of improvement.

3. NAAC Student Satisfaction Survey:

An annual survey is conducted at the end of each academic year to gauge overall student satisfaction and identify areas needing attention.

Title: BVCOEW-Student Satisfaction Survey as per NAAC A. Y. 24-25

Class: TE SEM II [Information Technology]

Table 9.2.1 Questionnaire for Student Satisfaction Survey

Q. No.	Questions	Response %
Q.1	How much of the syllabus was covered in the class?	93.94
Q. 2	How well did the teachers prepare for the classes?	91.82
Q.3	How well were the teachers able to communicate?	93.33
Q. 4	The teacher’s approach to teaching can best be described as	90.61
Q. 5	Fairness of the internal evaluation process by the teachers.	93.64
Q. 6	Was your performance in assignments discussed with you?	93.64
Q. 7	The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.	90.91
Q. 8	The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth	90.30
Q.9	Teachers inform you about your expected competencies, course outcomes and programme outcomes.	93.64

Q. 10	Your mentor does a necessary follow-up with an assigned task to you.	92.42
Q. 11	The teachers illustrate the concepts through examples and applications.	93.33
Q. 12	The institution makes an effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.	89.70
Q. 13	Teachers are able to identify your weaknesses and help you to overcome them.	91.52
Q. 14	The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.	92.12
Q. 15	Teachers encourage you to participate in extracurricular activities.	86.97
Q. 16	The institute/ teachers make efforts to inculcate soft skills, life skills and employ ability skills to make you ready for the world of work.	92.12
Q. 17	The overall quality of teaching-learning process in your institute is very good.	91.21
Q. 18	What percentage of teachers use ICT tools such as LCD projectors, Multimedia, etc. while teaching.	94.55
Q. 19	The teachers identify your strengths and encourage you by providing the right level of challenges.	92.42
Q. 20	The institution provides multiple opportunities to learn and grow.	88.18

4. Graduate Exit Survey:

Collected from final-year students at the time of their project examinations. This feedback focuses on the students overall educational experience and preparedness for future endeavours.

Title: BVCOEW-Graduate Exit Survey

Class: BE SEM II [Information Technology]

Table 9.2.2 Questionnaire for Graduate Exit Survey

Q. No.	Questions	Response %
Q.1	At what academic level did you enter this programme?	55.26
Q. 2	Ability to apply knowledge of Information Technology /Computer Engg. /Electronics Engg to the solution of complex engineering problems:	78.95
Q.3	Ability to execute responsibility professionally and ethically	81.75
Q. 4	I have learnt a great deal in my study	74.74
Q. 5	The computer and laboratory equipment and facilities were satisfactory and adequate	76.14

Q. 6	Faculty was available for assistance with my educational process	77.89
Q. 7	The overall quality of teaching and learning activities in the programme was good	72.98
Q. 8	I am well prepared for employment in my field	78.25
Q.9	Ability to use appropriate techniques, skills, and modern engineering tools, instrumentation, software and hardware necessary for complex engineering practice with an understanding of their limitations.	76.14
Q. 10	Department academic Counsellors were available to help and they met my needs	74.39
Q. 11	The course work required in my study met my expectation	76.49
Q. 12	Ability to articulate ideas, communicate effectively, in writing and verbally, on complex engineering activities with the engineering community and with society at large.	78.60
Q. 13	Career Enrichment activities & Placements	76.14
Q. 14	I would definitely recommend the programme to others	77.54
Q. 15	Classrooms were conducive & adequate to support teaching and learning activities	77.19
Q. 16	Modern engineering tools were incorporated into my class and/or laboratory activities	75.44
Q. 17	Ability to function effectively as an individual, and as a member or leader in diverse teams.	80.35
Q. 18	Do you currently have job offer / offers	67.54
Q. 19	Do you plan to further your studies to postgraduate level	83.33

5. External Feedback Based on Project Examination:

Initiated this year, external examiners provide feedback during project examinations to ensure an unbiased assessment of student performance.

Title: BVCOEW-BE IT Project Stage-2 External Feedback A. Y. 24-25

Table 9.2.3 Questionnaire for External Examiner Feedback

Q. No.	Questions	Response %
Q.1	Understanding of Problem Statement	86.11
Q. 2	Analysis of the Project	81.94
Q.3	Level of Literature Survey	79.17
Q. 4	Understanding of Project Design	80.56
Q. 5	Skill Level of the students for actual implementation	81.94
Q. 6	Utility of the project for Industry or society	87.50
Q. 7	Potential for taking the project ahead to user level	77.78
Q. 8	Soft Skills - Communication Skills, Team spirit (if any for working in group) & Presentation of project work	86.11

Q.9	Efforts in making the prototype of the solution and testing	77.78

6. Internship External Mentor Feedback:

Gathered from internship mentors at the end of each students internship. This feedback evaluates the practical skills and professional development of students during their internships.

Title: BVCOEW-Internship Feedback from External Mentor A.Y. 2024-25

Table 9.2.4 Questionnaire for Internship External Mentor Feedback

Q. No.	Questions	Response %
Q.1	Rating to be given for internship done by respective intern; Technical knowledge	77.78
Q. 2	Rating to be given for internship done by respective intern; Discipline and Punctuality	83.33
Q.3	Rating to be given for internship done by respective intern; Commitment and Willingness to do the work	83.33
Q. 4	Rating to be given for internship done by respective intern; Communication Skills	82.41
Q. 5	Rating to be given for internship done by respective intern; Individual work	81.48
Q. 6	Rating to be given for internship done by respective intern; Team work and Leadership	82.41

7. Activity-Based Feedback:

Collected from students at the end of each activity organized by the institution. This feedback helps in assessing the effectiveness and impact of various extracurricular and co-curricular activities.

Title: BVCOEW Student Industrial Visit Feedback 2024-25

Class: SE SEM I [Information Technology]

Table 9.2.5 Questionnaire for Industrial Visit Feedback

Q. No.	Questions	Response %
Q.1	To what extent did the industrial visit enhance your engineering knowledge through real-time exposure to live processes, technologies, and industry practices?	80.34
Q. 2	To what extent did the industrial visit help you develop the ability to independently acquire knowledge from credible and professional sources?	79.66
Q.3	To what extent did the industrial visit increase your awareness of current technologies used in the engineering field?	80.00
Q. 4	To what extent did the industrial visit help you become more aware of your responsibilities toward society, culture, and the environment as an engineering professional?	81.72
Q. 5	To what extent did the industrial visit help you understand the ethical practices and professional standards followed in the industry?	80.34

Q. 6	To what extent did the industrial visit contribute to the improvement of your oral and written communication skills (e.g., through interactions, note-taking, and report writing)?	80.69
Q. 7	To what extent did the industrial visit motivate you to work towards a better future in your academic and professional journey?	80.69
Q. 8	To what extent did the industrial visit motivate you to engage in self-study as part of your learning process?	80.69
Q.9	To what extent did the industrial visit help you better understand the relationship between the courses you have studied and the industrial processes observed?	81.72
Q. 10	To what extent did the industrial visit help you observe firsthand the unit operations learned in your courses and understand their functions?	80.00

8. Syllabus and Curriculum Feedback:

Feedback regarding the syllabus and its implementation is gathered every semester from teachers and students, and at the end of the academic year from alumni and employers. This feedback is crucial for conveying appropriate changes in courses to the Board of Study members of the respective departments, ensuring that the curriculum remains relevant and up to date. As our institute is affiliated with Savitribai Phule University, this process helps maintain academic standards and align with university guidelines.

9. Alumni Feedback:

Collected during alumni meets, this feedback provides insights into the long-term impact of the educational programs and suggestions for future improvements.

Title: Alumni Feedback 2023-24

Table 9.2.6 Questionnaire for Alumni Feedback

Q. No.	Questions	Response %
Q.1	Current Professional Status	65.71
Q. 2	How relevant was the curriculum to your job/entrepreneurship?	60.00
Q.3	Rate the institutions role in enhancing your soft and technical skills.	60.00
Q. 4	Was the Career Guidance provided by the institute sufficient ?	65.71
Q. 5	How well did the curriculum help you apply knowledge of mathematics, science, and engineering?	60.00
Q. 6	Were you able to analyze and solve real-world technical problems using concepts taught during college?	57.14
Q. 7	Were you able to analyze real-world technical problems using concepts taught during college?	62.86
Q. 8	Did the curriculum prepare you to design or develop systems or components to meet specific needs?	62.86
Q.9	How useful were lab sessions and mini-projects in understanding how to conduct experiments?	62.86
Q. 10	Did the curriculum help you learn modern tools, programming environments, or simulation software?	62.86
Q. 11	Did the curriculum include topics that raised awareness of societal, legal, and ethical responsibilities?	65.71
Q. 12	Were you encouraged to consider environmental and sustainable development aspects in your projects?	62.86

Q. 13	Did your coursework help you work effectively in teams or lead project work?	65.71
Q. 14	Did the curriculum support effective written and verbal communication skills?	68.57
Q. 15	Were you taught skills related to project planning, budgeting, or managing engineering tasks?	65.71
Q. 16	Do you feel the curriculum encouraged lifelong learning and adapting to modern technologies	62.86

10. Parent Feedback:

Gathered during parent meets, this feedback helps in understanding the parents perspective on the institutions performance and their childrens development. By systematically collecting and analysing this diverse feedback, the institution can ensure that its programs and services meet the standards expected by all stakeholders, fostering an environment of continuous improvement and excellence.

- **Action Taken:**

Faculty feedback analysis is conducted, and an improvement or appreciation letter is provided to the respective faculty member. The faculty feedback analysis includes semester wise satisfactory score and Improvement score for the academic year. Based on the analysis and remarks from the students about the subject, faculty is advised to improve. Failure to improve the same will lead to disciplinary action by the authority. If the Satisfactory score is good, then an Appreciation letter is given to the respective faculty member. Faculty course feedback is taken regularly and suggestions are forwarded to the respective authorities for necessary action. Program Outcomes attainment is calculated based on feedbacks through surveys. Attainment levels are revisited if not attained for continuous improvement. Various programs, focusing on human values, life skills, and employability, are organized based on feedback suggestions for the continual advancement of the Institute. This comprehensive feedback system reflects the Institutes commitment to continuous improvement, ensuring that the influences of students, faculty, alumni, employers, and parents contribute to the ongoing development of the institution. The inclusion of online feedback through the ERP portal demonstrates the Institutes adaptability and commitment to leveraging technology for effective feedback processes.

- **Faculty Feedback -**

Table 9.2.7 Faculty Feedback AY (2024-25 Sem I)

Sr. No.	Name of the Faculty	Class	No. of Students	Subject	% Feedback
1	Prof. Dr. Deepali Godse	SE	75	Logic Design & Computer Organization	94.21
2	Prof Miss. Mugdha Rane	SE	75	Discrete Mathematics	93.07
3	Prof. Ashwini Kanade	SE	75	Data Structures & Alogrithms	91.94
4	Prof. Nilofar Mulla	SE	75	Object Oriented programming	91.59
5	Prof. Kamlesh Patil	SE	75	Basic of Computer Network	90.99
7	Prof. Swati Sagar	TE	68	Theory of Computation	92.86
8	Prof. Seema Hadke	TE	68	Operating Systems	88.88
9	Prof. Ashwini Khairkar	TE	68	Machine Learning	88.88
10	Prof. Ashwini Kanade	TE	68	Elective-I (ADMS)	90.22
11	Prof. P.B. Narkhede	TE	68	Human-Computer Interaction	93.59
12	Prof. Dr. Ketaki Malgi	BE	72	Software Project Management	97.92
13	Prof Miss. Mugdha Rane	BE	72	Deep Learning	91.06

14	Prof. Ashwini Khairkar	BE	72	Elective –IV (Introduction to DevOps)	90.07
15	Prof. Kamlesh Patil	BE	72	Information and Storage Retrieval	91.18
16	Prof. N. G. Bonsale	BE	72	Elective –III (Mobile Computing)	86.63

Table 9.2.8 Faculty Feedback AY (2024-25 Sem II)

Sr. No.	Name of Faculty	Class	No. of Students	Subject	% Feedback
1	Prof.Dr. Deepali Godse	SE	75	Computer Graphics	93.13
2	Prof. Swati Sagar	SE	75	Processor Architecture	89.84
3	Prof. Ashwini Kanade	SE	75	Database Management System	89.99
4	Prof. Dr. Nilofar Mulla	SE	75	Software Engineering	90.47
5	Dr. Simi Khan	SE	75	Engineering Mathematics - III	92.69
7	Prof. Dr. Ketaki Malgi	TE	74	Elective-II(Artificial Intelligence)	93.1
8	Prof. Seema Hadke	TE	69	Web Application Development	89.43
9	Prof. Ashwini Khairkar	TE	69	Data Science & Big Data Analytics	88.45
10	Prof. Neha Bonsale	TE	69	Computer Networks & Security	90.22
11	Prof. Priyanka Raikar	TE	69	Data Science & Big Data Analytics	92.95
12	Prof Miss. Mugdha Rane	BE	71	Distributed Systems	91.45
13	Prof. Seema Hadke	BE	71	Startup and Entrepreneurship	88.53
14	Prof. Ashwini Khairkar	BE	71	Startup and Entrepreneurship	89.08
15	Prof. Dr. Nilofar Mulla	BE	71	Elective VI(Blockchain Technology)	88.21
16	Prof. Kamlesh Patil	BE	71	Elective-V(Social Computing)	90.9
17	Prof. Priyanka Raikar	BE	71	Startup and Entrepreneurship	91.03

- **Sample Action taken Report –**

Table 9.2.9 Action Taken Report

Stakeholder	Suggestions By Stakeholders	Action Taken	Outcome

Students	Second Year Students requested to conduct workshop on latest Technology.	Conducted Power BI certificate course for second year students.	60 students from Second year completed Power BI certificate.
Teachers	Emphasis on Tools Used in Software Project Management (SPM)course as this tool play a critical role in ensuring efficiency, collaboration, and successful project delivery.	Conveyed the suggestion to Board of Studies (I.T.) members at the time of B.E. I.T. syllabus revision.	BOS will take the feedback into consideration.
Employers	Need for Problem solving and critical thinking course to be added in Syllabus.	Motivated student to participate in various Idea competition.	Final year students participated in various Start up and Idea Competition.
Alumni	Conduct more course to help in Placement	Forward the suggestion to Training and Placement(T&P) cell	60 hours logical reasoning, quantitative aptitude and 30 hours Coding courses like Python and SQL are conducted.

9.3 Feedback on facilities (5) Total Marks 4.00

Institute Marks : 4.00

Through the following strategies for fostering stronger stakeholder relationships, the institution makes sure that facility feedback is swiftly addressed and successfully handled.

- The purpose of the grievance redressal committee is to handle any type of grievance complaint that staff members and students make. This committee assesses the situation, determines whether any outstanding concerns require attention based on past experiences, and establishes procedures and acts appropriately.
- To stop ragging, an anti-ragging committee was established. This committee was established to stop ragging at the institutes residence halls and on campus in general. It is operating effectively, with squad members—including senior students and faculty—working around the clock at the start of each academic year to ensure the safety of the current student and foster an extremely secure learning environment at the institution.
- From time to time, feedback is taken from students by their assigned mentor regarding what can be done to improve the available facilities. And according to the survey and feedback, further steps are being taken.
- Students were asked to rate several facilities, including the library, training and placement services, laboratories, and general amenities, using the following scale: Excellent, Good, Average.
- After every semester feedback is collected from students manually to improve the quality of the available facilities.
- A suggestion box is placed to collect feedback from the students.

Based on the feedback taken from overall, the corrective measures are being taken like:

- In laboratories, the number of display charts has increased for better comprehension.
- Damaged equipment is identified and repaired as soon as possible.
- The number of computers and lab equipment has increased.
- The lab equipment is calibrated regularly.
- For student safety, the institute has a first-aid kit and a fire extinguisher.
- The number of general, novel, and competitive books in the library has increased.
- The working hours and library hours have been extended to allow students to use the library after regular working hours. It is also open on weekends and holidays.
- Incinerator and vending machine for sanitary napkins is fitted in every washroom.
- Proper hygiene and cleanliness is maintained in all washroom.
- Girls common room and sick room is well equipped and is maintained.

Title: BVCOEW-Students Feedback on Infrastructural Facilities

Academic Year: 2024-25

Class: SE SEM II [Information Technology]

Table 9.3.1 Questionnaire for Students Feedback on Infrastructural Facilities

Q. No.	Questions	Response %
Q.1	Academic Facilities Classrooms are clean and well-maintained.	80.00
Q. 2	Laboratory equipment is functional and sufficient.	75.86
Q.3	Computer labs have working systems and internet	72.76
Q. 4	The library has sufficient books and e-resources.	76.90
Q. 5	Drinking water and washrooms are clean and functional.	72.41
Q. 6	Medical and first-aid facilities are available.	74.14
Q. 7	Sports and extracurricular facilities are provided.	77.24
Q. 8	Cafeteria provides hygienic food.	74.83
Q.9	Security and CCTV arrangements are adequate.	77.59
Q. 10	Girls' common room is clean and accessible.	77.24

- **Academic Year 2024-25: Action Taken Report**

Table 9.3.2 Action Taken Report

Stakeholders	Suggestion by stakeholders	Action Taken	Action Implemented

Students	Washrooms need to be cleaner and more hygienic	Issue is reported to HOD and then coordinated with Admin	Increased cleaning frequency and Renovation is in process
	Labs should be tested and should have all working pcs with proper internet connection	Requested for lab audit and report faults.	Pcs repaired/replaced; internet upgraded
	Library time should increase	Request for extended hours to librarian.	Library hours extended to 7 PM
	Drinking water should not be near washroom area	Identified the space and new spots suggested.	Water cooler placed at proper space.
	Xerox facilities should be available inside college premises	Suggestion is forwarded to higher authority.	Higher authority is working on it.
	Cafeteria food	Conducted food audit; updated menu	Food quality improved; new menu introduced
	Gym and common room facility need improvement.	Renovated facilities	New gym equipment and renovated common room provided
	E resources and IEEE access	Institutional access provided	IEEE and e-resources enabled
	Wi-Fi password should be given to all and speed	Requested to increase bandwidth and register new devices	Wi-Fi access granted to students; speed improved
	Need an auditorium in college	Plan proposed in budget	Seminar Hall is provided for activities
	Parking space for vehicles	Parking space issue reported to higher authority.	Higher authority is working on this

9.4 Self-Learning (5) Total Marks 4.00

Institute Marks : 4.00

A. Scope for self-learning -

Institute has provided a large scope to students to learn on their own as per their interest. To help students become independent learners, the college encourages them to take part in various online courses offered by platforms like **NPTEL, SWAYAM, Coursera, edX, AWS Academy, and Oracle Academy.** These courses allow students to learn new skills at their own pace, based on their interests and career goals. The college also uses **Learning Management Systems (LMS)** such as Google Classroom or Moodle to share study materials, conduct quizzes, and give assignments that support self-learning.

Students have access to a **digital library** where they can read e-books, journals, and research papers from trusted sources like **IEEE and DELNET**. Institute has introduced "Knimbus" platform for Digital Library services it includes open Access resources and Subscribed resources. Each department also has its own **departmental library** with textbooks, project reports, and question papers. A special **reference book section** is available in the main library with standard books that help students study topics in more detail.

Regular assignments, mini-projects, and case studies that help students think and learn on their own is an important practice in all departments. Faculty mentors guide them in choosing the right resources and tracking their progress. Students also form study groups and take part in activities by clubs, student associations such as **ETSA, CESA, ITECHSA and student chapters,** where they learn from each other by sharing knowledge, attending workshops, and participating in events. This creates a strong learning environment beyond the classroom.

B. The institution needs to specify the facilities, materials for learning beyond syllabus, Webinars, Podcast, MOOCs etc. and demonstrate its effective utilization -

Facilities created for self-learning:

- All laboratories are open to students so they can work independently and test their knowledge through brainstorming, problem-solving, and debates centered on learning outcomes and academic careers.
- Professional skill development courses are arranged through student associations.
- Facility of Language laboratory.
- Virtual lab access.
- Department-organize industrial visits.
- Technical talks by external/internal experts are arranged for the students.
- Lab manuals are provided.
- Internet facilities, smart boards are provided in the college.
- Students are encouraged for writing research papers and present them at conferences.
- Educational resources made available on Google Classroom.
- Students can test their ideas in the labs.
- Pre-placement training for the students.
- Library facilities are extended beyond working hours. Digital library and Reference book section provides a wealth of information to support in-depth learning.
- Smart boards are available in classrooms for interactive learning. The campus is equipped with Wi-Fi to encourage self-study.
- Under student's Association, department organize online seminars, webinars, workshops, and training programs that contribute to the overall personality development of students.
- Repository of seminar/project reports in the department library for the reference of students and faculty.
- Online course participation is encouraged for students.
- The curriculum offers courses and important projects with subjects that students can choose for themselves or that are offered by a guide. In these courses, the self- learning component is evaluated.
- Every student is required to turn in two theoretical assignments for every course, each of 15 marks. To encourage students to improve their capacity for self-learning, several of these assignments go beyond the syllabus. Capacity building program is conducted for the second year students for knowing their own self and their SWOT analysis.
- Books of all branches are available for students to read in the library.
- Students are given links to various informative YouTube and other e-Learning sites to help them expand their knowledge.
- The programs weekly schedule and facilities were designed to give students enough time and space to develop and put their ideas into practice. Academic calendar is displayed well in advance to plan their activities.
- Students have access to a well-equipped common computing lab with around-the- clock internet access.
- As per the academic calendar, the institute has plans for industrial training, company specific training such as Zensar ESD training.

- **Digital Library Access Facility:**

Institute has provided a large scope to students to learn on their own as per their interest. This is in the form of online and offline, on campus and off campus. AICTE's NPTEL platform has attracted students a lot at par with regular courses. Students can register online and learn at their pace. Subscribed E-resources are K-hub, DELNET, iThenticate Plagiarism Software, IEEE, ShodhSindhu, Shodhganga, Science Direct. NPTEL, Knimbus Digital Library Access to Provide. Digital Library: institute has introduced "Knimbus" platform for Digital Library services it includes open Access resources and Subscribed resources.

E-resources: Access Provide to Self-Learning facilities: Details of Digital Library/Remote Access

Table 9.4.1 Library E-Recourses with link

E Resource	Link
DELNET	https://discovery.delnet.in (https://discovery.delnet.in/)
K-hub (elibrary)	https://www.k-hub.in (https://www.k-hub.in/)

NDLI (National Digital Library in India)	https://ndl.iitkgp.ac.in (https://ndl.iitkgp.ac.in/)
NPTEL	https://onlinecourses.nptel.ac.in (https://onlinecourses.nptel.ac.in/)
IEEE (EJournals) ASSP, POP	https://ieeexplore.ieee.org/Xplore/home.jsp (https://ieeexplore.ieee.org/Xplore/home.jsp)
eShodhSindhu	https://ess.inflibnet.ac.in/memberdetails-1.php?catid=5 (https://ess.inflibnet.ac.in/memberdetails-1.php?catid=5)
Shodhganga	https://shodhganga.inflibnet.ac.in (https://shodhganga.inflibnet.ac.in/)
Science Direct	https://www.sciencedirect.com (https://www.sciencedirect.com/)
Knimbus (Digital Library Platform)	https://bvuniversity.knimbus.com/portal/v2/custom/source (https://bvuniversity.knimbus.com/portal/v2/custom/source)
iThenticate- Plagrisum Software	https://app.ithenticate.com/en_us/login (https://app.ithenticate.com/en_us/login)

Institute Library has made the following online resources available to the staff and students. Various online resources are available in Library. For easy access, all the online resources are subscribed as IP Based access subscription. This helps users to access any resource from any computer connected to the LAN and through WiFi enabled devices. This helps users to search multiple databases at a stretch. Remote off campus access facility is created, and this can be used by students from home.

- **Knimbus Digital Library**

Digital Library: Knimbus Digital Library and Remote Access -

Link : https://bvuniversity.knimbus.com/portal/v2/default/home (https://bvuniversity.knimbus.com/portal/v2/default/home)

Remote Access to E resources facility is available under the platform.

Knimbus:

Knimbus is the leading digital library platform used by 700+ reputed institutions. Institutions are transforming their library for a digital future with the Knimbus mLibrary platform. Knimbus mLibrary is a one-stop solution with rich features to build a powerful and user friendly digital library through which users can seamlessly access the digital resources anytime, anywhere and on any device.

- **DELNET**

Link for DELNET Service – https://discovery.delnet.in (https://discovery.delnet.in/)

Facilities available:

1 Interlibrary Loan - Required books /Articles can be borrowed from member Library

2 Free access to digital resources ebooks

3 Remote access is available

- **K-hub (elibrary): - ebooks, ejournals, etc.**

K-Hub (elibrary) Link : https://www.k-hub.in/ (https://www.k-hub.in/)

K-HUB is the leading platform for collective academic e-resources, offering one of the biggest subject’s collection among other very rare and useful databases.

NDLI Membership (Certificate of Registration)

- **NDLI Membership Certificate**

The National Digital Library of India (NDLI) is a virtual repository of learning resources accessible through a single-window interface. Its sponsored by the Ministry of Education, Government of India, as part of the National Mission on Education through Information and Communication Technology (NMEICT).

- **Quality of learning resources**

The Learning Resource Center, the Central Library excellent resources plays proactive role in providing excellent user services, optimal use of resources supporting quality enhancement in teaching-learning, research and extension. keeping pace with the developments in the ICTs, Institute library works as a digitized knowledge Center for accessibility with print and e-resources and provides focused services to the students and faculty. The Library has significant collection of books, journals, e-books, e-journals, secondary sources, databases, digital primary sources.

- **Integrated Library Management System (KOHA):**

Integrated Library Management System (KOHA) is used to manage different functions of library for improving accessibility to students. Institute Central Library is using commercial software as well as Open Source software for Automation of Library Services. With KOHA retrieval of information becomes easy and even a catchy phrase in the description of the catalogued item can be used for searching. supports flexible workflow to cover activities related to Circulation, Cataloging, Patrons, Serials, Advance Search, Tools, Lists, About KOHA.

KOHA Software

With the growing popularity of e-resources, library is gradually migrating from print documents to e-resources. Qualified and experienced staff plays an important role in providing easily accessible and cost- effective information services. The Institute library has subscribed / implemented learning and e-learning resources as shown in the tables below.

- **Departmental Library details –**

IT Department runs a department library for the students in addition to the central library. The library also has the set of university question papers of all the subjects. The staff and students of IT department can avail the facilities of the library.

Table 9.4.2 Departmental library details

Sr. No.	Library details	
1	No. of Volumes	480
2	No. of Titles	292

- **Virtual Lab Details -**

Table 9.4.3 Virtual Lab Link

Sr. No.	Class	Name of Course	Virtual Lab Link
1	SE IT	Logic Design & Computer Organization Lab	http://vlabs.iitkgp.ac.in/coa/

- **Certificate Courses done by the students –**

Table 9.4.4 Certificate Courses

Sr. No.	Level (Local/State/National)	Date	Name of Course	Resource Person and Company Name	Mobile No.	Class
1	Local	4 March, 2025 to 19 April, 2025	Training Program on "Introduction to Python Programming & Machine Learning"	Mr. Aniket Kulkarni, Aptite Solutions	9096306140	SE
1	Local	31st Jan 2024 to 10th Feb 2024 (30 hrs)	Data Analysis using Power BI and Excel	Mr. Yogesh Murumkar, CEO, Bharati Software Solutions, Pune	9657080905	SE
1	Local	11th March 2023 to 10th May 2023 (30 hrs)	Master in Front End Development Using Angular	Mr. Pritam Kamble, MEAN Stack Developer/ Flutter Developer, Biz2credit and Trainer at Linkcode Technologies	7276279026	SE

- **NPTEL Courses done by students –**

Table 9.4.5 NPTEL Courses

Sr. No.	Roll No	Name	Course name	Course by	Duration		No. of weeks	Exam date
					Start date	End date		
1	2364	Arshiya Nissar Sayyed	Programming in java	IIT Kharagpur	20/01/25	11/04/25	12 weeks	04/05/25
2	2317	Radhika Anandrao Deokate	Programming in java	IIT Kharagpur	20/01/25	11/04/25	12 weeks	04/05/25
3	2341	Ishwari Dnyanesh Kulkarni	Programming in java	IIT Kharagpur	20/01/25	11/04/25	12 weeks	04/05/25
4	2319	Diksha Digambar Dhalpe	Programming in java	IIT Kharagpur	20/01/25	11/04/25	12 weeks	04/05/25
5	2359	Tanvi Sahebrao Pawar	Programming in java	IIT Kharagpur	20/01/25	11/04/25	12 weeks	04/05/25
6	2324	Tanvi Umesh Gaonkhadkar	Programming in java	IIT Kharagpur	20/01/25	11/04/25	12 weeks	04/05/25
7	2353	Ameya Anil Nimkar	Programming in java	IIT Kharagpur	20/01/25	11/04/25	12 weeks	04/05/25

9.5 Career Guidance, Training, Placement (10) Total Marks 9.00

Institute Marks : 9.00

A. Availability of career guidance facilities

The Career Guidance Cell (CGC) of the institute plays a key role in mentoring students aiming for higher education or careers in government and defense sectors. It regularly conducts awareness sessions and expert talks on postgraduate opportunities like M.Tech, MS, MBA, and PhD—in India and abroad. The CGC also guides students on application procedures, writing Statements of Purpose (SOPs), selecting universities, securing scholarships, and preparing for exams such as GATE, GRE, TOEFL, and IELTS.

For those preparing for competitive exams, the cell offers support through coaching resources and sessions focused on GATE, UPSC, and MPSC. It also creates awareness about careers in the Indian Armed Forces through sessions on NDA, CDS, AFCAT, and SSB interviews, often involving experienced professionals.

The CGCs efforts have led to an increasing number of students succeeding in competitive exams and pursuing higher education. Regular student feedback helps the cell improve its programs and stay aligned with students goals, contributing significantly to their overall growth and success.

Table 9.5.1 Career Guidance Cell (CGC) Committee list

Name of the Member	Designation
Prof. V. D. Kulkarni	Coordinator
Prof. S. M. Patil	Co-coordinator

B. Counseling for higher studies

Activities conducted under Career Guidance Cell regarding higher studies

Table 9.5.2 Higher Studies activities under Career Guidance

Sr. No.	Date	Time	Title of Session	organized by	Resource person	Number of students attended from Department of Information Technology
1	29-07-24	10.00am – 11.00am	How to prepare for Competitive exams	Unique Academy, Pune	Mr.Ketan Kumar Patil	2
2	07-12-24	10:00am – 11.00am	Internship opportunities and importance of Microsoft certification	Kasnet Technologies	Mr.Amol Aher	35
3	11-01-25	04:00pm – 5.00Pm	Importance of Profile Building and Career Mapping	EUGATEWAY	Benita Albert	1
4	25-01-25	11:00am – 12.00pm	GATE Exam Aptitude Tips and Tricks	Ohm Institutes, Hyderabad	Mr. Amarnadh Emani	33
5	18-02-25	02:15 pm – 03.45 pm	Higher studies in India and abroad	IMS Learning Resources Pvt Ltd	Mr.Ranjit Kalangutkar	19
6	04-03-25	03:45pm – 4.30Pm	Introduction to futuristic engineering courses by DADB Germany	DADB Academy of Digital Education	Ms.Pooja Sinha	5

7	22-03-25	11.30am - 1.00pm	Career Opportunities in Armed Forces After Graduation	Retired Naval officer	Captain Rammohan Oka	3
8	26-08-23	11.00am to 12.00 pm	A session on How to prepare for GATE	ACE engg. Academy	Mr.Arjun Chhabra	10
9	13-09-23	6.00pm to 7.00pm	A session on Scope of foreign language for engineering students	ASAP Language Institute	Mr.Anand Bannatkar	19
10	23-09-23	11.00am to 12.00 pm	A session on How to prepare for competitive exams MPSC, UPSC	Unique Academy	Mr.Sunny Mankoskar	20
11	27-09-23	9.00am to 10.00 am	A session on Crack GATE exam in first attempt	Imperial Institutes	Mr. Paresh Gugle	20
12	02-02-24	10.00am to 11.00 am	A session on How to prepare for GATE 2024 examination	ACE engg. Academy	Arjun Chhabra	15
13	03-02-24	11.00am to 12.00pm	A session on Career Guidance on study abroad	Admit 360 Edu Abroad Solutions	Mr. Vivek Gupta	3
14	27-02-24	11.00am to 12.00pm	A session on Higher Studies in the U.S. and Student Visa	EducationUSA	Dr.Aditi Lele, EducationUSA adviser.	25
15	30-04-24	11.00am to 12.00pm	A session on Give wings to your higher education dream abroad	ETS, the tracker and maker of TOEFL/GRE	Sarika Balchandani	20
16	27-08-22	11.00am to 12.oopm	Career opportunities after Engineering	ACE Engineering Academy, Pune	Mr. Shankar Wadne	33
17	17-03-23	3.00 to 4.00 pm	Career Guidance for Abroad study options after engineering	Jamboree Institutes, Pune	Mr. Shreyas Ramkrishnan	33
18	24-03-23	3.00 to 4.00 pm	Importance of Aptitude for Placement and Higher studies	ACE Engineering Academy, Pune	Ms. Aishwarya Vijay	32
19	07-07-21	3.30 to 4.30	MBA in India	IMS Pune	Mr. Ranjit Calangutkar	20

20	12-08-21	2.00 to 4.00	Overseas education	IDP education	Mr. Omkar Kargar	72
21	14-08-21	1.00 to 2.00	Benefits & career opportunities in GATE	The GATE Academy	Mr. Akash Pushkar, M.Tech. IIT, Kanpur	54
22	21-09-21	4.00 to 5.00	How to prepare for banking/SSC Insurance during graduation	Unique Academy, Pune	Ms. Mayuri Sawant, Pune	4
23	29-01-22	11.00 to 12.00	How to clear GATE exam in first attempt	ACE engineering Academy	Mr. Anish Singh Rajput	4
24	23-04-22	5.00 to 6.00	How to prepare for competitive exams-UPSC/MPSC	Unique Academy, Pune	Mr. Pankaj Vhatte	157

- **Higher studies summary**

Table 9.5.3 Department of Information Technology Student Count for Higher Studies

Sr. No.	Academic Year	Students Opted for Higher Studies
1	2024-25	2
2	2023-24	2
3	2022-23	7
4	2021-22	9

C. Pre-placement training

The institute has a well-structured system to help students improve their skills, get ready for jobs, and plan their careers. From the second year onwards, students take part in a Pre-Placement Training Program that helps them understand their strengths, set goals, and learn better through activities like SWOC analysis and peer feedback. Senior students who are already placed share their experiences with juniors through Peer-to-Peer Training, building confidence and motivation. A major part of this is the Employability Skill Development (ESD) Program, which gives more than 400 hours of training in areas like programming, SQL, testing, aptitude, and communication skills. Student-run clubs such as the Coding Club, Aptitude Club, HR Club, and Test Series Club offer regular practice and discussions, helping students prepare for company tests and interviews.

The Training and Placement Cell also works with industry partners to offer expert-led training programs like the RPG Zensar Employability Program and AI Skilling Program in collaboration with RT-MSSU and Microsoft. These programs teach students in-demand skills like Java, Python, and Artificial Intelligence, and focus on practical knowledge. Mock interviews, resume writing sessions, and company-specific training are regularly organized to help final-year students prepare for real job interviews.

- **Skill Enhancement Club**

Different Coding Clubs like Coding, Aptitude and HR are conducted by students, observed and corrective actions are suggested by the Training Coordinator. One of the students gives a task daily and other students solve it by end of the day which enhance their thinking power and also receive constructive solutions from other students. These clubs are helpful to broaden the knowledge of students in terms of Placement.

HIGHLIGHTS OF THE ACTIVITIES HELD:

1. Capacity Building Programme for SE: These sessions focus on **different VAK learning styles, Knowing yourself, Life values, How to do self and peer diagnosis and SWOC analysis**. Many fun activities are also conducted in the process to cheer up the students and help them boost confidence. Every student is able to self-analyze their own **Strengths, Weaknesses, Opportunities and Challenges**. At the end, this does help the students in their placement recruitment process and to achieve a great future.

2. Capacity Building Programme of Students by Students (Peer to Peer Training Programme): In this training programme, BE students who are placed in various MNC companies deliver the seminars to SE and TE students on various topics such as **Aptitude test, Coding, Technical, HR interviews and Company Specific Training.** The entire programme covers all the aspects of placement procedures, professional future post and completing graduation. It eases and prepares the students for their future journey.

3. HR Group [Group Discussion Programme]: This activity is conducted for all the students from SE to BE of all departments and it engages students in **developing their communication skills** and making themselves more **comfortable for HR rounds** in placement. During these sessions' students get a brief review about different current affairs, expected topics in GD round and learning styles.

4. Coding and Aptitude skill Enhancement Clubs: To enhance Coding and Aptitude skills of students, these enhancement clubs are started for SE, TE and BE students of all branches. It eradicates the fear of coding and increases their computational thinking. It helps them to acquire the requisite skill set to think "Out of the box" and develop a rational approach towards Problem-solving. It prepare students to solve questions in aptitude and coding tests conducted during placement drives and in competitive exams.

5. Activities conducted in Coding group: The questions are posted related to coding in these groups. These are either **Mcqs or problems statements type** Special focus is on problem statements which are repeatedly asked in **company campus drives.** Students co-ordinator also share YouTube videos which are beneficial for learning concepts. This makes the students, especially weak ones, comfortable with different coding questions and helps to eradicate the fear of coding.

6. Activities conducted in Aptitude group: The student co-coordinators posts questions on aptitude group. These are divided into **Arithmetic, Verbal and Current Affair** section. Also 5 new words are posted along with their meanings, synonym and their use in sentence to increase vocabulary. Every night the solutions are sent for students to refer. The main focus is on questions which are asked in **competitive exams** and **campus drives**. This helps the students to practice and get familiar with aptitude and increase their knowledge on the same.

7. Test Series Club: The main objective of this club is to prepare the students for the different competitive stages in campus drives like **the aptitude test, coding test, English (verbal ability) test.** These tests help the students to understand the pattern of various placement drives tests and gives them a real time experience. The technical tests are conducted on Hacker rank platform .This way the students became well versed with online compilers and it helps in increasing their confidence too. They also get an opportunity to work on their weak points.

- **RPG Zensar Training -**

Table 9.5.4 RPG Zensar Training students' summary for Department of Information Technology

Sr. No.	Academic Year	No. of shortlisted Students for Zensar Training	No. of Students Placed	% Placement of Zensar trained Students
1	2023-24	33	13	39.39
2	2022-23	71	33	46.48
3	2021-22	39	20	51.28

- **Employability Skills Development (ESD) Training**

Table 9.5.5 Employability Skills Development (ESD) Training details

Sr. No.	Date	Type of Event	Name of activity	Name and Address of resource person	Contact Details	Organized for	No of students attended

1	19/7/2023 to 29/7/2023, 2/8/2023 & 5/8/2023	Training	Employability Skills Development Training by Campus Credentials	Mr. Rohit Runwal, Mr. Ronak Mitra, Mrs. Sapna Sood Campus Credentials Trainer	8888519569 8653830911 9272730903	BE	32

- **Mock Interview and placed students**

Table 9.5.6 Mock Interview and placed students Summary of Department of Information Technology

Sr. No	Academic Year	No. of shortlisted Students for Mock Interview	No. of Students Placed	% Contribution of Mock Interview in total AY Placement
1	2024-25	120	42	35
2	2023-24	76	45	59.21
3	2022-23	82	43	52.44
4	2021-22	77	64	83.12

D. Placement process and support

Campus Placement process is as follows

- The Institute follows “one student one job policy”. Software companies and Core (Non Software) Companies are the major categories of the companies conducting the campus placement drive throughout the Academic Year.
- Students who are interested in Placements, the academic database of the students is collected, verified. The database is updated after each SPPU 6th, 7th semester exam result declaration.
- An invitation mails are sent to the HR Team, based on the requirements HR revert back to the mail. The dates are mutually finalized.
- The Campus Placement schedule is confirmed based on Eligibility criteria (maximum number of students should get the opportunities), Job Profile, Annual Salary Package offered by the company, Past history of recruitment, feedback of the selected students’ experience from past batches regarding the company.
- The company selection process, Job Profile, Annual Salary Package, eligibility criteria, date of conduction of the process, mode of conduction of the process is broadcasted once a confirmation mail is received from HR.
- The recruitment process may be online, offline or hybrid mode.
- The recruitment process includes Pre Placement talk, Proctored test, Group discussion, Technical Interview, Management Interview etc.
- It is mandatory for students to follow College uniform dress code at the time of Campus Placement drive.
- Pre Placement talk in most of the cases is preferred in offline mode. Company higher authorities elaborate about salary break-up, job profile, place of work, bond details, company culture, projects etc. Attendees are expected to clarify their doubts (if it is) from company authority in Q and A session.
- Post Pre Placement talk interested and eligible students appear for aptitude, technical, coding tests in Computer Center. The PCs are enabled with web cameras and the test is a proctored test.
- Department Placement Coordinators and the team supervise the test along with Company authorities.
- Placement Cell Team along with Placement Cell Student volunteers assure the arrangement of Group Discussion room, Interview Rooms and the necessary prerequisites.
- The selects are declared orally on the same day and in most of the cases written mail in the next few days.
- Based on the Company policy the Expression of Interest or Offer letter is mailed to Placement Officer or the selects.
- All students are expected to accept the offer letter by signing on the hard copy, scanning the signed offer letter and mailing it to HR, sometimes the HR expects it in a centralized way through the Placement Officer.
- **Placement cell infrastructure and facilities:**

Table 9.5.7 Placement cell infrastructure and facilities details

Sr. No.	Facilities	Quantity

1.	Training cell	1
2.	Placement cell	1
3.	Seminar Hall	1
4.	Computer center for online placement drives/tests	Capacity of 110 PCs
5.	Meeting room	1
6.	placement coordinator	1 college level 3 department level
7.	Supporting staff	2

- **List of companies visited for placement**

Table 9.5.8 List of companies visited for placement

Sr. No	Company visited in A.Y. 2024-25	Company visited in A.Y. 2023-24	Company visited in A.Y.2022-23
1	AIRBUS	PERSISTENT	ACCENTURE
2	RTCAMP	TCS	ALOHA TECHNOLOGIES
3	STANDARD CGARTERED GBS	ACCENTURE	AMAZON
4	PERSISTENT	VOIS	AMAZON CUSTOMER SUPPORT
5	DASSAULT SYSTEMS	RTCAMP	AMDOCS
6	ALSTOMGROUP	STANDARD CHARTERED GBS	ATOS
7	ION GROUP	DASSAULT SYSTEMS	ATOS
8	ACCENTURE	IBM	BNY MELLON
9	ATLAS COPCO	RELIANCE JIO	CAPGEMINI
10	AMDOCS	KANINI SOFTWARE	CIMPRESS
11	NICE	AMAZON	CIRRIUS TECHNOLOGIES
12	BOSCH	AMDOCS	COGNIZANT
13	FUNDSROOM	GOLDMAN SACHS	DELOITTE
14	UNO MINDA	NOMURA	DELOITTE
15	CAPGEMINI	SUEMENS (ONLY E&TC)	eEMPHASYS
16	UBS	IBM	EURONET
17	FORVIA	LTTS	EURONET WORLDWIDE

18	L & T TECHNOLOGY SERVICES	NATIONAL PAYMENTS CORPORATION OF INDIA 9NPCL-UPI,RUPAY,FASTAG ETC)	FIDELITY INTERNATIONAL
19	NEILSON IQ	VISTEON	FINULENT SOLUTIONS
20	TATA TECHNOLOGIES	RUDDER ANALYTICS	FLENTAS TECHNOLOGIES (Cloud Consulting and Devops)
21	ICON IT TECHNOLOGIES	FIS	FPX SOLUTIONS (IOT BASED CORE COMPANY OPTION)
22	RUDDER ANALYTICS	VODAFONE IDEA	FUTURENSE TECHNOLOGIES
23	RINEX TECHNOLOGIES	DELOITTE	GOLDMAN SACHS
24	COGNIZANT GENC	NEEYAMO	HEXAWARE
25	FIS	SECLORE TECHNOLOGY	HURON CONSULTING GROUP
26	BNY MELLON	UNO MINDA (only E*TC) Campus	IBM
27	DEUTSCH	IDFCFIRST BANK	IDFY
28	FAURECIA	DASSAULT SYSTEMS	INDUS TOWERS
29	TECHMAHINDRA	ICON SINGAPORE	JOHNSON CONTROL
30	COVIE	SPARK MINDA (ONLY E&TC) CAMPUS	KPIT
31	WNS	PARKAR DIGITAL	KYNDRYL GLOBAL TECHNOLOGY SERVICES(GTS)
32	PARKER DIGITAL	PETROFAC	L&T TECHNOLOGY SERVICES LIMITED
33	RED HAT	MICRON	LTTS
34	VANDERLANDE (TOYATO)	CAPGEMINI	MAERSK
35	MINDSTIX	BNY MELLON	MASTEK
36	ZENSAR	WALMART 9THROUGH HACKATHON)	MINDSTIX
37	INFOSYS	CCTech	NEOSOFT
38	COVINE	EQW	NIELSEN IQ (Campus)
39	EQUATIONS WORK	RSQUARESOFT TECHNOLOGIES	NTT DATA
40	CODITUDE	ADOR POWETRON (E&TC)	PERSISTENT
41	VOIS	AMAZON	PRINCIPAL GLOBAL SERVICES
42	TCS	PUBLICIS SAPIENT	PTW

43	AMAZON	WESTERN UNION	PUBMATIC
44	REDHAT INDIA	AIRBUS	QUALITY KIOSK
45	PLANET SPARK	WILEY EDGE	RELIANCE JIO
46	WIPRO	VOIS	RENAULT NISSAN TECHNOLOGY
47	WESTERN UNION	ZENSAR	SPARK MINDA (Campus)
48	INTELLIPAAT SOFTWARE SOLUTIONS PVT LTD	IT WORLD WEB.COM	STANDARD CHARTERED GBS
49	BUSINESS OCTANE	IDEAL RESOURCES PRODUCTS PVT LTD (CORE E&TC)	STRIDLEY SOLUTION
50	LTI Mindtree	BHARARPE	TATA TECHNOLOGY
51	ENCORA	DIGITAL	TCS
52	SOLARSQUARE ENERGY (core)	FOURCOLOURS	TCS
53	TRINITY TOUCH (core)	LTIMINDTREE	TECH MAHINDRA
54	HANYAA AUTO TECHNOLOGIES	SAMPRADAA SOFTWARE TECHNOLOGIES	THOUGHT WORKS
55	SMARTDATA ENTERPRISES	JADE GLOBAL	UBISOFT
56	KANINI	PTC	UBISOFT
57	SILVER PUMPS (core)	ZENSAR	UNOMINDA LTD (E&TC)
58	APPLUS IDIADA (core)		UPGRAD
59	INNOVATECH TECHNOLOGY SOLUTIONS		VIRTUSA
60	RINEX TECHNOLOGIES		VIRTUSA
61	GE HEALTHCARE		VODAFONE IDEA
62	SILVER PUMPS (core)		VOIS
63	EXENITY EXCELLENCE INFINITE		WILEY EDGE
64	PTC		WIPRO
65	DELOITTE		ZOMATO
66	GEMINUS TECH PRIVATE LIMITED		ZYNGA TECHNOLOGY
67	RIBBON COMMUNICATION		

68	COGNIZANT		

- **Placement Summary of all Departments**

Table 9.5.9 Placement Summary of Department of Information Technology

Academic Year	Number of Students Placed with single offer	Number of Students Placed with multiple offers
2024-2025	42	1
2023-2024	47	4
2022-2023	43	15
2021-2022	64	38

- **The Industry-Institute Interaction Cell (IIIC)** plays an important role in connecting the college with industries. It works to reduce the gap between what students learn in the classroom and what is needed in the real world. The III Cell arranges guest lectures by industry experts, industrial visits, hands-on workshops, and collaborative projects with companies. It also helps the college sign MoUs (agreements) with industries to support training, internships, research, and skill development activities. These efforts give students a better understanding of current technologies, tools, and industry expectations.

Through its partnerships, the III Cell supports internship opportunities for students in various sectors. It works with the Training and Placement Cell to help students get internships during their vacations. These internships give students valuable work experience, help them learn professional behavior, and improve their technical and communication skills. Industry mentors guide students and give feedback that helps them grow.

The college has a proper system to manage internships. Students are guided before and during the internship, and their work is reviewed after completion. They submit reports and give presentations on what they learned. In some cases, internships are linked to academic credits. Overall, the III Cell ensures that students are better prepared for jobs, have industry exposure, and are ready for future careers.

Table 9.5.10 Industry Institute Interaction Cell (IIIC) Data

Academic Year	Industrial visits	Industrial Interaction through Internships	Number of Internships	Placements	MOU's
2024-25	13	73	278	129	31
2023-24	7	73	282	150	16
2022-23	6	93	338	153	20
2021-22	0	63	285	198	28

9.6 Entrepreneurship Cell (5) Total Marks 4.00

Institute Marks : 4.00

- **Innovation and Entrepreneurship are promoted through two distinct yet collaborative bodies within the college: The Institute Innovation Cell (IIC) and the Entrepreneurship Development Cell (EDC):**

The **Institute Innovation Cell (IIC)** focuses on cultivating a spirit of innovation among students. It encourages them to think creatively and develop solutions to real-world problems. Through regular activities such as idea generation workshops, innovation competitions, hackathons, and prototype building sessions, the IIC provides students with a platform to turn their concepts into viable projects. The cell also connects students with mentors and industry experts who guide them through the innovation lifecycle, from problem identification to proof of concept. It actively promotes participation in national innovation challenges and supports students in patent filing and product development.

The **Entrepreneurship Development Cell (EDC)** is dedicated to fostering an entrepreneurial mindset and helping students turn innovative ideas into business opportunities. The EDC organizes seminars, startup boot camps, and guest lectures by successful entrepreneurs to expose students to the world of startups and business planning. It provides guidance on preparing business models, securing funding, understanding legal compliance, and building a minimum viable product (MVP). Students with entrepreneurial aspirations are supported with mentorship, networking opportunities, and assistance in participating in incubation programs. The cell acts as a catalyst in bridging the gap between innovation and entrepreneurship.

The ED Cell acts as a vibrant platform that encourages creativity, leadership, and innovation by offering necessary resources, guidance, and mentoring. It is committed to building an entrepreneurial ecosystem within the campus that evolves continuously to meet the changing needs of the start-up environment.

Objectives of the ED Cell:

- To instill entrepreneurial spirit and leadership qualities in students.
- To provide guidance and mentorship for converting innovative ideas into start-ups.
- To create awareness about entrepreneurship as a career option.
- To build a self-sustaining start-up ecosystem within the institute.
- To support students in accessing funding opportunities, incubation, and networking.

Key Activities Conducted:

- **Entrepreneurship Awareness Programs (EAPs):** Workshops and seminars to sensitize students toward entrepreneurship.
- **Mentorship Opportunities:** Students receive personalized guidance from experienced entrepreneurs, alumni, and industry experts.
- **Start-Up Showcases:** Platforms to pitch innovative ideas to potential investors and incubation partners.
- **Skill Development Workshops:** Training sessions on business model canvas, design thinking, financial literacy, and legal compliance.

The ED Cell has contributed significantly to promoting an entrepreneurial culture across disciplines. Students have actively participated in ideation events, pitch competitions, and national innovation contests. A few student start-ups have progressed to early-stage funding and incubation. The Cell continues to evolve as a hub of entrepreneurial excellence by fostering innovation and ethical business practices. The department had one entreprener in the Academic Year 2022-23

Table 9.6.1 Activities conducted under Entrepreneurship Development Cell

Sr. No.	Details of activity conducted	Name of chief guest/coordinator	Date and duration	Total number of students and faculty participated
1	Poster Competition “Poster Vision”,Bharatiyugam’ 25	Ergen Technovision Pvt. Ltd.	08/04/2025	29 students
2	Startup Idea Competition “Pitchforge”,Bharatiyugam’ 25	Ergen Technovision Pvt. Ltd.	08/04/2025	20 students
3	Internship	Ergen Technovision Pvt. Ltd.	15/01/2024	35 Students
4	IIC “Impact Lecture Series 2024” Session1: “Entrepreneurship an Innovation as a career opportunity”	Synnollect Innovations	12/04/2024	60 Students
5	Poster Competition “VisioVerse”, Technophilia’ 24	Ergen Technovision Pvt. Ltd.	04/04/2024	150 students
6	Internship	Ergen Technovation Pvt. Ltd.	01/01/2023- 15/02/2023	TE E&TC -35 Students

7	"Yukti (poster Competition)" in Avinya'23 Techfest	BVCOEW, Pune	27/04/2023	17 students
8	Start-up Idea Competition- "AAROHANA" in Avinya, 23 Techfest	BVCOEW, Pune	28/04/2023	45 Students
9	Seminar on Entrepreneurship Development	deAsra Foundation	31/05/2023	150 students
10	Workshop on "Start-up & Entrepreneurship Development"	Opex Accelerators	15/09/2023	102 students
11	Interaction with Entrepreneur	Symbiosis Institute of Technology, Lavale	16/12/2023	04 Faculty
12	Interaction with Entrepreneur	Mr. Nityanand Prabhu Tendolkar Ergen Technovation Pvt. Ltd.	28/09/2022	05 Faculty

- **IPR Cell:**

IPR cell is established in the year 2024. IPR Committee is formed including internal and external stakeholders. Internal stakeholders are Principal and faculty. External stakeholders are Alumni, Industry expert and IPR expert. To create awareness among students and faculty, in total 06 various activities were conducted at department and institute levels.

Also, Institute has registered for KAPILA in 2021-22, a scheme by MoE IIC &AICTE to provide financial assistance to students and faculty of the institutes who filed, published or granted patents. Institute has joined the NISP Campaign. Student's cell is formed for start-up and innovation activities In-line with NISP Ministry of Education (MoE) policy, institute has drafted institute NISP. The approved I&E policy is notified / published among all the stakeholders via notice boards and on the institute website.

The outcome of this cell resulted in 19 patents filed by 21 faculty members out of which 6 are granted.

- **Start-up Cell**

As a part of our commitment to fostering an **entrepreneurial** ecosystem, the Start-up Cell at Bharati Vidyapeeth's College of Engineering for Women, Pune, operates in alignment with the National Innovation and Start-up Policy (NISP) 2021 guidelines. The Start-up Cell is driven by the institutes vision to promote innovation, support early-stage entrepreneurial initiatives, and bridge the gap between academia and industry. In line with the institutional policy, we have established a dedicated infrastructure and governing mechanism to support student and faculty-led innovations. To strengthen our ecosystem, the institute has signed two Memoranda of Understanding (MOUs) with reputed external organizations, aiming to provide mentorship, incubation support, and industry collaboration for emerging start-ups.

Every academic year, the Start-up Cell organizes a wide range of initiatives, including start-up competitions, industrial visits, and internships, to encourage hands-on learning and real-world problem-solving among students. Notably, 30 students are offered internship opportunities through this platform annually, helping them gain valuable industry exposure and entrepreneurial skills. These efforts are supplemented by workshops, awareness drives on IPR and innovation, and the active involvement of the Institution's Innovation Council (IIC). Through a structured and inclusive approach, the Start-up Cell continuously nurtures entrepreneurial thinking and contributes to the national goal of building a robust, innovation-driven economy.

Together, the IIC and EDC create a comprehensive ecosystem that motivates students to explore new ideas and pursue entrepreneurial ventures, equipping them with the skills, exposure, and confidence required to become future innovators and job creators. The activities conducted under IIC cell are listed below.

Table 9.6.2 Activities conducted under Institution's Innovation Council

Sr. No.	Academic Year	Activity	Resource Person	Activity Date	No. of students attended
1	2024-25	Session on Business Model Canvas (BMC)	Prof. Sunita Dhotre, Associate Professor, Dept of CSE, BVUCOE	27/09/2024	59 TE IT Students
2		Workshop on "Simulation & Modelling using Python"	Mr. Santosh Yadav Business Consultant, CADD CAREER	18/03/2025 & 19/03/2025	196 FE Students

3	2023-24	Celebration activity on "Successful Landing of Chandrayan 3 on moon at south pole"	-	14/09/2023	143 SE Students
4		Seminar on "Intelluctual Property Rights & Technology Transfer"	Prof. Dr. Nidhi Jain, BVCOE, Lavale, Pune	07/02/2024	58 TE IT Students
5		Workshop on "Intelluctual Property Rights"	Mrs. Kalyani Ahir	12/04/2023	78 SE & TE Students
6	2022-23	Motivational Session by Successful Enterpreneur	Dr. Prakash Sharma (Founder & CEO Passion Infotech)	16/02/2023	180
7		How to plan for Start Up	Dr. Prakash Sharma (Founder & CEO Passion Infotech	11/05/2023	70
8		Workshop on Enterprenuership and Innovation	Dr. Prakash Sharma (Founder & CEO Passion Infotech	19/05/2023	75

- **MoU Activities –**

The MOU Cell of the Information Technology Department is a strategic initiative designed to foster and manage institutional collaborations with academic institutions and industries. The cell plays a pivotal role in aligning academic objectives with industry needs, thereby enriching the technical ecosystem for students. We have MOU's with companies like VERITAS Software Technologies India Private Ltd., Passion InfoTech, Bharat Software Solutions Pvt. Ltd., KasNet Technologies Pvt Ltd., Swaptechnobiz, Qset Technologies, Algorithmic Electronics and training institutes like Link-Code Technologies, QJ Technologies, 9Ledge Pro.

Objectives

1. Enhance Industry-Academia Interface - Develop strong linkages with IT industries to ensure students gain hands-on experience and industry insights.
2. Promote Skill Development - Organize certification courses, seminars, and workshops to bridge the skill gap between academia and industry.
3. Facilitate Internships and Project Sponsorship - Provide students with opportunities for internships and project sponsorships through MOU partners.

- **Activities under MOU**

Table 9.6.3 Activities conducted under MoU

Sr. No.	Organized by (Faculty Name)	Date	Event Type	Topic	Name and Address of Resource Person	Organized for (Class Name)	No. of Students
1	S. A. Hadke	24 Sept, 2024	Seminar	Current Trends in the Industry and Internship Awareness	Mr. A.B. Aher (Founder & Director) KasNet Technologies Pvt. Ltd., Narhe Industrial Estate, Narhe, Pune.	TE IT	48
2	A. D. Khairkar	16 July, 2024	Seminar	Brainstorming Project Ideas	Dr. Prakash Sharma,CEO, Passion Infotech,Pune	BE IT	59
3	A. V. Kanade	21 Jan, 2025	Seminar	Introduction to Full Stack Development and Generative AI	Mr. Rahul Ahire Founder and Director, Linkcode Technologies Pvt Ltd and Techonsy Software Limited. and Mr. Pritam Kambale, Director and CTO, Linkcode Technologies Pvt. Ltd. and Techonsy Software Limited.	SE and TE IT	64

4	Ms. M. A. Rane	1 Aug, 2024 to 30 Apr, 2025	Project Sponsorship	BE Projects Sponsorship	Mr. Ajinkya Nakve/Mr. Niranjan Kale	BE IT	8
5	A. D. Khairkar	1 Aug, 2024 to 30 Apr, 2025	Project Sponsorship	BE Projects Sponsorship	Dr. Prakash Sharma,CEO, Passion Infotech,Pune	BE IT	32
6	A. D. Khairkar	22 Dec, 2024 to 31 Mar, 2025	Internship	Internship	Dr. Prakash Sharma,CEO, Passion Infotech,Pune	TE IT	32
7	Dr. N.A. Mulla	4 Mar, 2025 to 19 Apr, 2025	Training Program/ Certification Course	Training Program on “Introduction to Python Programming & Machine Learning”	Mr. Aniket Kulkarni, Aptite Solutions	SE IT	70
8	Prof. S. A. Sagar	10 July, 2023	Seminar	Introduction to NodeJS	Mr. Qaidjohar Jawadwala, Founder & CEO, QJ Technologies	TE IT	64
9	Prof. S. A. Sagar	13 Oct, 2023 and 14 Oct, 2023	Workshop	Programming Web APIs with NodeJS	Mr. Qaidjohar Jawadwala, Founder & CEO, QJ Technologies	TE IT	38
10	Prof. S.A.Hadke	4 August 2023	Seminar	Microsoft Cloud Internship Awareness	Mr.A.B.Aher, KasNet Technologies Pvt.Ltd.	TE IT	59
11	Prof. A.V. Kanade	6 Oct, 2023	Seminar	Career in Web development with Mean and Mern Stack	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune	TE IT	63
12	Prof. A. D. Khairkar	6 Oct, 2023	Workshop	Research Paper Writing	Dr. Prakash Sharma, Director, Passion Infotech Pvt. Ltd, Pune	BE IT	50
13	Prof. M. A. Rane	12 Jan, 2024	Webinar	Cloud Security	Ms. Girija Swami, Principal Software Engineer, Veritas, Pune	TE IT	50
14	Prof. Dr. K.A. Malgi	24 Jan, 2024	Seminar	Introduction to Power BI	Mr. Yogesh Murumkar, CEO, Bharati Software Solutions, Pune	SE IT	65
15	Prof. Dr. K.A.Malgi	31 Jan, 2024 to 10 Feb, 2024 (30 hrs)	Workshop	Data Analysis using Power BI and Excel	Mr. Yogesh Murumkar, CEO, Bharat Software Solutions, Pune	SE IT	60
16	Prof. A. V. Kanade	12 Feb, 2024	Seminar	Preparation for Placement	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune	SE IT	48
17	Ms. M. A. Rane	1 Aug, 2023 to 30 April, 2024	Project Sponsorship	BE Project Sponsorship	Mr. Ajinkya Nakve/Mr. Niranjan Kale	BE IT	12
18	Ms.A.V. Kanade	14 Oct, 2022	Seminar	Learning track for Internship and Placement	Mr. Rahul Ahire, Director, Link-Code Technologies	SE IT	59

19	Dr. Ketaki Malgi	17 Oct, 2022	Workshop	Programming in multilayer neural network model	Mr. Yogesh Murumkar, Bharat Soft Solutions,Pune	TE IT & BE IT	64
20	Ms.A.D. Khairkar	15 Oct, 2022	Seminar	Internship opportunities in advanced IT Trends	Dr Prakash Sharma, founder Pcombinator and Passion Infotech,Pune	TE IT	70
21	S. A. Sagar	29 Oct, 2022	Webinar	Extra steps for getting placed quickly	Mr. Qaidjohar Jawadwala, QJ Technologies, Pune	TE IT	70
22	S. B. Dhuttargi	7 Oct, 2022	Seminar	Careers in Information Technology	Ms. Nidhi Raut, Founder and Ms. Bhagyashree Raut, co-founder, Swaptechnobiz Pvt. Ltd, Pune	SE IT	60
23	Mrs.S.A. Hadke	18 Oct, 2022	Seminar	Current Trends in the Industry	Mr.Amol Aher (Founder & Director) KasNet Technologies Pvt Ltd., Narhe Industrial Estate, Narhe, Pune-41	T.E.I.T.	58
24	Ms. A.V. Kanade	16 Feb, 2023	Seminar	Introduction to Angular	Mr. Rahul Ahire, Director, Linkcode Technologies Pvt. Ltd., Pune	SE IT	49
25	Ms. A.V. Kanade	11 March2023 to 10 May 2023 (30 hr.)	Workshop	Master in Front End Development Using Angular	Mr. Pritam Kamble, MEAN Stack Developer/Flutter Developer, Biz2credit and trainer at Linkcode Technologies	SE IT	50
26	Prof. Dr. D.A. Godse	7 May, 2023	Webinar	Why Python Programming is a Future Skill for Every Learner	Mr. Parth Shukla, Founder, 9Ledgepro	TE IT	45
27	S. A. Sagar	12 May, 2023	Seminar	Industry Requirements for landing a good job	Mr. Qaidjohar Jawadwala, QJ Technologies, Pune	SE IT	66
28	M. A. Rane	19 May 2023	webinar	CICD with Docker and Kubernets	Ms. Swgatika Mahapatra, Veritas	BE IT	60
29	Ms.A.D. Khairkar	11 May, 2023	Webinar	How to plan for Start-up	Dr Prakash Sharma, founder Pcombinator and Passion Infotech,Pune	BE IT	80
30	Ms.A.D. Khairkar	20 May, 2023	Workshop	Entrepreneurship and Innovation			70
31	Ms.A.D. Khairkar	17 Oct, 2023 to 30 April, 2023	Internship	Internship on Generative Artificial Intelligence and Google data studio		TE IT	20
32	Ms. N.A. Mulla	25 May 2023	Webinar	Introduction to Arduino and Raspberry pi	Mr. Atul Wadkar, Director Algorithmic Electronics	SE IT	53
33	Ms. M. A. Rane	1 Aug 2022 to 30 April, 2023	Project Sponsorship	BE Major Project	Mr. Ajinkya Nakve	BE IT	4

34	Mr. K.V. Patil	11 April, 2023	Seminar	Drupal- Content Management System	Mr. Ganesh Devkate, Software Consultant, Qset Technologies	TE IT	47

9.7 Co-curricular and Extra-curricular Activities (10) Total Marks 10.00

Institute Marks : 10.00

Bharati Vidyapeeth's College of Engineering for Women offers a vibrant and inclusive environment for the holistic development of its students through a rich blend of co-curricular and extra-curricular activities. These activities are designed to promote creativity, leadership, technical excellence, physical well-being, social awareness, and a strong sense of community—complementing academic learning and helping students grow into well-rounded professionals. Ensuring safety, inclusivity, and student welfare, the Internal Complaint Committee (ICC) addresses concerns related to harassment or inappropriate behavior in a confidential and just manner. Regular awareness programs are conducted to create a culture of respect and dignity on campus. The Student Grievance Redressal Committee (SGRC) provides a platform for students to voice academic and infrastructure-related concerns, resolving them promptly. Additionally, the Reservation Committee ensures equitable access to opportunities, admissions, and scholarships for students from reserved categories, following government norms. Technical and cultural festivals remain central to student life, providing platforms for students to engage in coding contests, hackathons, paper presentations, exhibitions, drama, music, and dance. These festivals encourage innovation, collaboration, and strategic thinking while fostering friendships and team-building. With active student participation, faculty mentoring, and industry involvement, these events serve as a key measure of the quality and relevance of student engagement. Together, all these initiatives create an enriching and inclusive ecosystem at Bharati Vidyapeeth's College of Engineering for Women—one that not only emphasizes academic excellence but also fosters leadership, compassion, innovation, and personal growth.

- **Art Circle:**

The Art Circle is a dynamic platform that allows students to explore various forms of creative expression including music, dance, drawing, painting, and photography. It helps cultivate skills like leadership, time management, and event coordination. Through cultural events, workshops, and intercollegiate competitions, students are encouraged to express their creativity and gain confidence.

Table 9.7.1 Activities conducted under Art Circle

Sr. No.	Date	Activity Name	Resource Person/Guest	Faculty/Staff/Students	Number of students participated
1	13/8/2024	Rakhi Making and Mehandi Competition	Prof. Charuta Kharokar BV Fine art College, Katraj	SE, TE, BE Students and College staff	58
2	28/8/2024	Eco-Friendly Ganesha Idol Making Workshop	Prof. Deshpande, BV Fine art College, Katraj	SE, TE, BE Students and College staff	60
3	19/2/2025	Chhatrapati Shiv Jayanti Celebration	-	FE, SE Students and College staff	44
4	29/2/2024 to 2/3/2024	Cultural Days	Dr. Kavita Murugkar, BV Architecture College, Pranali Shende, BV Fine Art College, Katraj, Arpita Sonpatki Actress and Model	FE, SE, TE, BE Students and College staff	600
5	29/02/2024 to 02/03/2024.	Cultural Days	Prof. Mahima Chandra Prof. Hardip Kuar BV Optometry College	SE, TE, BE Students and College staff	500
6	8/8/2022	Rakhi Making and Mehandi Competition	-	SE, TE Students and College staff	60
7	27/8/2022	Eco-Friendly Ganesha Idol Making Workshop	Prof. Deshpande, BV Fine art College, Katraj	SE, TE, BE Students and College staff	60
8	27/09/2022 to 30/09/2022	Zest Fiesta 2022	-	SE, TE, BE Students and College staff	500
9	19/2/2023	Chhatrapati Shiv Jayanti Celebration	-	SE, TE, BE Students and College staff	40

10	25/3/2023	Women's Day Celebration- Women's health Seminar for teaching and non-teaching staff	Dr. Edalabadkar	SE Students and College staff	35
11	19/4/2023 to 21/4/2023	Cultural Days	Miss. Mugdha Deshpande, Actress and Model	FE, SE, TE, BE Students and College staff	500

- **Annual College Magazine "Oyster"**

Additionally, the annual college magazine highlights the talents and accomplishments of both students and staff. It features articles (Marathi, Hindi, English, Technical) poems, artwork Drawing, Photography) and reports in the year's events and activities. Capturing the dynamic academic and cultural spirit of the college, it serves as a creative platform. Our college magazine has also earned recognition and awards at the university level. The annual college magazine is a vibrant platform that showcases creative talents of students and staff. It reflects the academic achievements, cultural activities, and innovative spirit of the institution throughout the year. Till date, the institute has received six awards from Savitribai Phule Pune University. In the last three years, the institute secured the First Prize for Oyster'20, announced in the academic year 2023–24.

- **Tech fest**

Table 9.7.2 Students Participation in Annual Technical Fest

Academic Year	Event Name	No. of students participated
2024-25	BharatiYugam 2025 – "Transforming Dreams into Reality"	275
2023-24	Technophilia	235
2022-23	Avinya	232

- **Annual Social Gathering**

Table 9.7.3 Students Participation in Annual Social Gathering

Academic Year	Event Name	No. of students participated
2024-25	BharatiYugam 2025- "Retro to Metro"	275
2023-24	Silverstone	235
2022-23	Adwitiya	232

- **Student Development Section:**

The Student Development Section organizes a variety of student-centered programs focused on life skills, social values, and personal growth. Events such as self-defense workshops, meditation sessions, awareness campaigns on minority rights, charity drives, and language appreciation days help students become socially responsible and emotionally resilient. The section also implements student welfare initiatives like the K.B.P. Earn and Learn scheme and career counseling sessions to ensure all-round student support.

Table 9.7.4 Activities conducted under Student Development Section

Sr. No.	Date	Activity Name	Venue	Resource Person	Number of Staff/Students participated
1	13 -15/08/ 2024	Har Ghar Tiranga Campaign	BVCOEW ,Pune	Principal BVCOEW,Pune	78 students
2	14/08/2024	Awareness and Implementation of "Partition Horrors Remembarance day" Play	BVCOEW ,Pune	National School of Drama	210 students
3	1/09/2024 to 15/09/2024	Swacchta Pandharawada	BVCOEW ,Pune	All the staff members and Students	60 staff, 250 students

4	24/09/2024	Hindi Diwas celebration	BVCOEW ,Pune	SDO BVCOEW,Pune	40 students
5	11/12/2024	Bharatiya Bhasha Utsav Cebration	BVCOEW ,Pune	Online Mode: Mr.Pravin Tarade	6 staff, 58 students
6	18/12/2024	Alpasankhyank Hakka Din Celebration	BVCOEW ,Pune	Prof.Nikita Chaudhari(PVG,Pune)	2 staff, 66 students
7	25/01/2025	Road Safety Awareness	BVCOEW ,Pune	Mr. Ram Takbhate ,Mr. Mr. Sacheen Jahagirdar Dy. General Manager – Human Resource Kirloskar Ferrous.	60 staff, 249 students
8	27/01/2025	Know Your Hospital	BVCOEW ,Pune	Bharati Hospital,Pune	60 staff
9	30/01/2025	हुतात्म्यांना श्रद्धांजली कार्यक्रमा	BVCOEW ,Pune	Principal ,BVCOEW, Pune	60 staff, 250 students
10	11-13/03/2025	3-Day Workshop on Core Well-being Practices for First-Year Students	BVCOEW ,Pune	Heartfullness team,Pune	150 students
11	1/02/2025	Self Defence Workshop	BVCOEW ,Pune	School of Martial arts, Pune	132 students
12	20- 22/02/2025	Workshop on Skill Development and Complementary Activities	BVCOEW ,Pune	BVCOEW Pune and Tronics 365 Pune	2 staff, 70 students
13	22/01/2025	Sakal YIN Event (Young Inspiration Network)	BVCOEW ,Pune	Principal ,BVCOEW, Pune	4 staff, 60 students
14	14/01/2025	Stationary Distribution and Visit to Janseva Foundation, Pune	Janseva Foundation Pune	Principal ,BVCOEW, Pune	9 staff, 12 students
15	13/01/2025	Youth Day	BVCOEW ,Pune	Principal ,BVCOEW, Pune	42 staff, 291 students
16	19/02/2025	Jay shivaji jay bharat padyatra	COEP Ground Pune	--	4 staff, 150 students
17	28/07/2023	Activities under NEP 2020	BVCOEW, Pune	Principal BVCOEW,Pune.	15 students
18	9/08/2023	Swatantryacha Amrut Mahotsav Oath	BVCOEW, Pune	Principal BVCOEW,Pune	38 staff, 295 students
19	11/08/2023	Essay and Speech Competition Shivrajy abhishek -350	BVCOEW, Pune	Principal BVCOEW,Pune	15 students
20	14/09/2023	Vishesh Nav matador Nondani Abhiyan	BVCOEW, Pune	Principal BVCOEW,Pune	63 students
21	26/11/2023	Sanvidhan Diwas Celebration	BVCOEW, Pune	Principal BVCOEW,Pune	60 students
22	3/01/2024	Savitribai Phule Jayanti	BVCOEW, Pune	Principal BVCOEW,Pune	35 students
23	13/01/2024	सामाजिकप्रबोधनसप्ताह Celebration	Sumatibalvan,Nimbalkarwadi	Principal BVCOEW,Pune	45 students
24	30/01/2024	Hutatma Din	BVCOEW, Pune	Principal BVCOEW,Pune	236 students
25	17/02/2024	Nirbhaya Kanya	BVCOEW, Pune	Mrs.HemlataGawade(Bhaarati Vidyapeeth Police Station)	70 students
26	20/02/2024	Nirbhaya Kanya: Women Rights	BVCOEW, Pune	Mrs.Anisa Shaikh(New Law College Pune)	70 students

27	21/02/2024	Generation of Electricity from Green Energy	BVCOEW, Pune	Mr.RahulNalawade	84 students
28	22/02/2024	Nirbhaya k Kanya: Change in Lifestyle and Gynaecological Disorders	BVCOEW, Pune	Dr.MrudulaKharnar (kulkarni)Bharati Vidyapeeth ayuvedic College	50 students
29	13/04/2024	Women Health Awareness Session	BVCOEW, Pune	Miss.AartiShitole,from Unimax India	39 students
30	11/05/2024	Student Health Check-up Camp	BVCOEW, Pune	Bharati Hospital,Pune	100 students
31	May 2023 to Feb 2024	KBP Earn and Learn	BVCOEW, Pune	----	32 students
32	21/06/2022	International Yoga day	BVCOEW, Pune	Dr.G.G.Patil,Mrs.Pravina Shete	55students
33	12/07/2022	Workshop on Electric Vehicles for Smart Cities	BVCOEW, Pune	Prof.Vaishali Yawale and Prof.Krutuja Gadgil of AISSMS IOIT Pune.	71students
34	12/08/2022	Tree Plantation	Taljai pathar	Dr.S.R.Patil ,staff members and Students	12 students
35	12/08/2022	Swatantryacha Amrut Mahotsav,Har Ghar Tiranga	Bharati Vidyapeeth Campus	Dr.S.R.Patil ,staff members and Students	240 students
36	12/08/2022	Amali Padarth Virodhi Pratidnya	BVCOEW, Pune	Dr.S.R.Patil ,Teaching and non-teaching staff members	21 staff
37	17/08/2022	Samuhik Rashtrageet Gaan:Swarajya Saptaha	BVCOEW, Pune	Principal	30 staff
38	3/10/2022	Gandhi Jayanti Cleanliness Drive	BVCOEW, Pune	All the staff members	50 staff
39	15/10/2022	Wachan Prerana Din	BVCOEW, Pune	All the staff members	27 staff, 118 students
40	31/10/2022	Rashtriya Ekata Diwas	BVCOEW, Pune	All the staff members	26 staff, 127 students
41	31/102022	Alpasankhyanka Hakka Din	BVCOEW, Pune	All the staff members	15 staff
42	25/11/2022	Matdar Din	BVCOEW, Pune	–	2 staff, 40 students
43	26/01/2023 to 10/02/2023	Lokshahi Padharawada Celebration	BVCOEW, Pune	Principal,All HOD,Student Development Officer, ,Students	5 staff, 48 students
44	28/02/2023	Seminar On Nirbhaya Kanya	BVCOEW, Pune	Dr Ujwala Bendale ,Principal,BV law College,Pune	3 staff, 280 students
45	17/02/2023	Seminar On Women Health	BVCOEW, Pune	Dr.Vandana Nimbargi,Bharati Hospital, Pune	30 staff

46	15/02/2023	Seminar On Cyber Security"	BVCOEW, Pune	Mr.Maharudra Gitte, B.E.(IT),M.Tech. (CSE),LL.B. ,Diploma in Cyber LaW, Advocate,Pune	10 staff, 50 students
47	27/02/2023	Marathi Bhasha Gaurav Din	BVCOEW, Pune	–	82 students
48	3- 4/03/2023	Workshop on Green Electric Power Generation	BVCOEW, Pune	Mr. Yogesh Mahaparale,General Manager ,Hella Automotive Pvt.Ltd.	4 staff, 130 students
49	16/05/2023	G20 Antargat 3rd Energy Transition Working Group Upakram	BVCOEW, Pune	Prof.Diksha Chopade	1 staff, 55 students
50	A.Y. 2022-23	K, B, P. Earn and Learn	BVCOEW, Pune	–	20 students

- **Internal Complaint Committee:**

As per the guidelines and regulations laid by Maharashtra State Commission for Women (MSCW), an Internal Complaint Committee (ICC) is made mandatory to be formed at every educational institute. The ICC was formed at BVCOEW, Pune on 27th February 2017 with an inauguration function and a half day workshop on sexual harassment and awareness. This committee is setup in the view of giving guidelines about sexual harassment at workplace and helping a victim against it. This committee also ensures prevention, prohibition and redressal of sexual harassment. Reconstitution of the committee was done on 25th February 2021.

The students can drop in their complaints in written form in the drop box provided and also contact the ICC members for any kind of help they require.

Objectives of ICC:

- Improving the status and dignity of women in the society.
- Investigate into practices derogatory to women and suggest suitable remedial measures.
- Effectively monitor implementation of laws affecting women.

Functions of ICC:

- Provide assistance if an employee or a student chooses to file a complaint with the police.
- Provide mechanism of dispute redressal and dialogue to anticipate and address issues.
- Protect the safety of the complainant.
- Ensure victims and witnesses get proper treatment.

Table 9.7.5 Activities conducted by Internal Complaint Committee

Sr. No.	Date	Activity List	No. of Students
1	07/01/2025	Seminar on "From Awardees to Action: Stopping Violence Against Women & "Damini Pathak operating System (Karyapranali)"	300
2	08/10/2024	Awardees Session "ICC" for newly admitted (FE) Students.	300
3	27/02/2024	One Day Workshop on Empower Her: Strengthening women Safety, Rights and Health.	200
5	28/08/2023	Awareness session on "Internal Complaint Committee" and code of conduct at the Institute for Newly admitted (FE) student.	200

6	07/12/2022	As per the AICTE guidelines women “Pakhawada” is celebrated at BVCOEW Pune during 25/11/2022 to 10/12/22	140

- **Student Grievance Redressal cell**

The Institute has formed STUDENTS’ GRIEVANCE REDRESSAL COMMITTEE (SGRC) As per the AICTE circular. The primary objective of the committee is to provide opportunities for redressal of certain grievances of students already enrolled. Once in a semester the committee meeting is held to discuss and resolve the student’s grievances.

Table 9.7.6 Activities conducted under SGRC

Meeting Number	Date	Discussions	Action Taken	Class	No. of. students
1	2/08/2024	Attendance Consideration and extension of Internship duration	Request form all TE students forwarded to all departments HOD	All class CRs	15
		Arranging seminars on specific domain for basic knowledge of that domain.	This request with domain name forwarded to HODs.		
		Provision of wi-fi facility in library	Forwarded to Network administrator for further action.		
2	15/03/2025	Feedback related to all points of discussion is taken by SGRC committee members and Principal sir from all classes	All suggestions from students forwarded to respective authority.	All classes	1000
3	28/08/2023	Maintenance of tube lights and fans in classrooms as well as laboratories.	Suggestion is forwarded to store for regular maintenance of lights and fans. It was done.	All class CRs	11
4	2/11/2023	Query related to fee payment in online mode	Query is forwarded to account section.		9
5	3/2/2024	Regular cleaning of all classrooms, labs. Extra practical sessions.	Suggestions are forwarded to higher authority		12
6	24/4/2024	Extension of library hours from 8:00 am in morning	Suggestion forwarded to Librarian and higher authority for further action		10
7	29/08/2022	a) Cleanliness of classrooms b) Increase in library hours	a) All suggestions are forwarded to higher authority. b) Library hours are extended during exam period.	All class CRs	14
8	13/03/2023	Cleanliness of washrooms on daily basis with uninterrupted water supply	Suggestion is forwarded to higher authority		13
9	2/12/2022	Requirement of smart boards in all classrooms	Suggestion is forwarded to higher authority and smart boards are installed in all classrooms		12
10	15/05/2022	Requirement of Sanitary Pad machines in washrooms	Suggestion is forwarded to higher authority and machines are installed in washrooms of each floor.		11

- **Anti- Ragging Committee (ARC):**

Anti -Ragging Committee is constituted in our college to prevent ragging and to take anti-ragging measures as per the guide lines issued by the Hon. Supreme Court of India & UGC. The undertaking by students regarding non-involvement in ragging act is introduced in admission process. Anti-ragging committee was reconstituted with senior and junior student representative, Sub Inspector of Police, Media Person, NGO, Representative from Non-teaching Staff etc. Anti-Ragging Committee was formed at BVCOEW, Pune in 2014

Objectives of ARC:

1. To Prevent, Prohibit, and Redress any and all forms and instances of Ragging in the College.
2. To educate the students on the meaning of ragging and what constitutes it.
3. To educate the students on the ill-effects of ragging and the consequences, including legal

   Consequences of indulging in ragging.
4. To keep a continuous watch and vigil over ragging so as to prevent its occurrence and

   Recurrence.

Functions of ARC:

- To consider the complaints received from the students and conduct enquiry and submit report to the Anti- Ragging Committee along with punishment recommended for the offenders.
- Oversee the procedure of obtaining undertaking from the students in accordance with the Provisions.
- Conduct workshops against ragging menace and orient the students.
- To provide students the information pertaining to contact address and telephone numbers of the person identified to receive complaints/distress calls.
- To create awareness among the students about Anti ragging.
- To take all necessary measures for prevention of Ragging inside the Campus/ Hostels.

Anti-ragging Week Celebration

Table 9.7.7 Activities conducted by Anti -Ragging Committee

Sr. No.	Date	Event Name	Participation	
			Faculty and non-teaching staff	students
1.	12/08/2024	Pledge, Introduction and video of Anti ragging	03	200
2.	12/08/2024	Screening of short films and documentaries on anti-ragging	03	200
3.	13/08/2024	Digital Poster Making and Slogan Writing Competition	06	58

- **Gymkhana:**

Sports and Gymkhana activities are central to promoting physical fitness and team spirit. Students actively participate in college and university-level sports competitions in games such as basketball, volleyball, cricket, table tennis, and chess. Events like Yoga Day, Fit India Movement, and the Annual Sports Week help students maintain a healthy lifestyle while instilling qualities such as discipline, leadership, and perseverance. The sports facilities are well-equipped, and winners are recognized during the college's annual social gathering. Activities conducted during the assessment period are listed below:

Table 9.7.8 Activities conducted under Sports

Sr. No.	Name of the Event	No. of Players participated in Sports activities		
		2024-25	2023-24	2022-23
1	Yogasan	03	01	01
2	Chess	03	04	03
3	Badminton	03		04
4	Basketball	09	10	07
5	Volleyball	10	06	
6	Kho-Kho	12		
7	Athletics	09	06	06

8	Football	11	19	
9	Annual Sports	500	200	500
10	Cross-Country		01	03
11	Weight-Lifting		01	
12	Power-Lifting		01	
13	Kabaddi		10	
14	Fencing			01
15	Handball			01
16	Cricket			12
	Total No of Students	**560**	**259**	**538**

- **Alumni Association:**

A key pillar of institutional growth and student mentorship is the Alumni Association. Registered under the Charity Commissioner's Office, Pune (Reg. No. Maha/1403/2017/Pune dated 6 October 2017), the alumni association has over 4700 registered members. Its mission is to maintain a strong and lifelong connection between the institution and its graduates. This is accomplished through alumni meets, guest lectures, workshops, and mentoring sessions. Alumni share their professional journeys and industry insights, inspiring current students and offering valuable guidance on higher studies, placements, and career paths. Their active involvement significantly enhances the learning environment and strengthens the college's industry network.

Table 9.7.9 Activities conducted by Alumni Association

Sr. No.	Date	Name of the Activity	Name of the Alumna	Class
1	18/07/2024	MPSC Exam Preparation	Ms. Puja Khumkar	SE E&TC
2	18/07/2024	Job Opportunities in US Based Company	Ms. Sayali Kumbhar	SE E&TC
3	22/07/2024	Seminar on Career Path and Industry Insights	Ms.Utkarsha Kakade	SE IT
4	21/09/2024	Mastering the placement process	Ms. Tejas Takalkar	TE E&TC
5	03/10/2024	Higher Studies and Professional Experience in Company	Ms. Sneha Kumari Ms. Palak Agrawal	TE E&TC
6	19/10/2024	Seminar on Discussions on Emerging Trends in Technology	Ms. Smiti Chandwadkr	TE IT
7	13/01/2025	Seminar on Angular for Frontend Developers	Ms. Komal Jha	SE IT
8	03/02/2025	Guidance on Higher Education	Ms. Tanushree Desale	BE E&TC
9	03/02/2025	Understanding Company Expectations and Hiring Trends	Ms. Sayali Patil	BE E&TC
10	07/02/2025	Seminar on Career Pathways in Software Engineering	Ms. Smiti Chandwadkr	BE IT
11	18/02/2025	From Campus to Career: MS experience in UK	Ms. Shreya More	SE E&TC

12	22/03/2025	Data Cloud and Gen AI	Ms. Julekha Bagwan	SE Comp
13	21/04/2025	Career Opportunities in AI	Ms. Tanvi Sanerkar	SE Comp
14	08/08/2023	Preparation of CDAC entrance examination	Ms.Revati Gajbhar	TE E&TC
15	11/08/2023	Cracking Placemnet in hardcore company	Ms.Purva Mahadik	TE E&TC
16	19/08/2023	Seminar on Career Guidance and Alumni Interaction Session	Ms. Rajshri Ghatkar	SE IT
17	03/02/2024	Seminar on Oracle Application developer	Ms.Vaishnavi Bhutda	TE IT
18	29/02/2024	Guidance on Placement	Ms Shruti Burhade	SE E&TC
19	04/03/2024	Guidance on Group Discussion & Personal Interview	Ms.Radha Kure	BE E&TC
20	09/03/2024	Transitioning from academia to industry	Ms. Surbhi Malav	TE Comp
21	13/03/2024	Placement Preparation	Ms. Maithili Chaturbhuj	SE Comp
22	15/03/2024	Preparation for Competitive Examinations	Ms. Shital Vaidya	TE E&TC
23	16/03/2024	Professional Etiquettes	Ms. Rekha Takalkar	SE E&TC
24	27/03/2024	Seminar on Internship and Project Guidance	Ms.Aachal Bhatt	SE IT
25	16/04/2024	Preparation for placement and career opportunities	Ms.Vishakha Patil	SE Comp
26	19/04/2024	Seminar on Insights into industry expectation, career paths and professional development	Ms. Meenakshi Sinha	SE IT
27	25/04/2024	Seminar on Windows and networking-Citrix Technology	Ms. Shital Bhoite	SE and TE IT
28	18/05/2024	Balancing Academic Excellence and Career Advancement: Strategies for Placement Preparation	Ms. Aditi Kokil	SE Comp
29	15/09/2022	Seminar on Website Development using Wordpress	Ms. Shruti Lokhande	TE-IT
30	22/09/2022	Importance of Academics in view of Placement	Ms. Samrudhdhi Shukla	TE E&TC
31	15/02/2023	Placement and Interview Guidance	Ms. Aishwarya Mokashi	SE E&TC
32	22/02/2023	Work Etiquettes in IT Company	Ms. Komal Singh	SE E&TC
33	18/05/2023	Seminar on Career Guidance	Ms. Shruti Lokhande	SE-IT

34	26/08/2023	Cloud Computing	Ms. Siddhi Deshpande	SE Comp
35	30/08/2023	Balancing Academic Excellence with Enriching Extracurricular Activities	Ms. Harshada Ankam	FE

- **Department Student Associations:**

Student Associations such as ETSA, ITechS'A, CESA functions as a technically-focused student bodies that organize coding competitions, technical talks, seminars, industry interactions, and study-abroad awareness programs. These activities bridge the gap between academic learning and real-world applications, empowering students with the skills and exposure needed to thrive in competitive environments. Professional ethics, Technical skills, personality development, advance technology awareness and soft skills are the key topics covered through the events and activities conducted through the department student's associations. These associations are run by the students for the students with the guidance of faculty and staff.

The **Information Technology Student Association (ITechS'A)** is a dynamic student body that serves as a bridge between students, faculty, and industry professionals within the field of Information Technology. Established with the goal of fostering technical growth, leadership skills, and community engagement, ITechS'A empowers students by organizing a wide array of activities including workshops, seminars, tech talks, and social events.

ITechS'A aims to create an inclusive environment where innovation, collaboration, and academic excellence are celebrated. The association not only enhances technical competencies but also promotes soft skills, entrepreneurship, and ethical awareness among students. By providing a platform for students to explore emerging technologies and networks with peers and experts, ITechS'A plays a crucial role in shaping the next generation of IT professionals.

- **List of ITechS'A Activities**

Table 9.7.10 Activities conducted under ITechS'A

Sr. No.	Date	Type of Event	Name of the Activity	Name and Address of Resource person	Organised For	No. of students attended
1	18/07/2024	Seminar	Data Structures	Mr.Nagesh Mhetre, Director, Click In Computers Pune-411043	SE(IT)	53
2	30/07/2024	Seminar	An appeal regarding Metabolic Health	Dr.Poonam Gupte,Senior Research Assistant at IRSHA BVDU, Pune-411043	SE(IT) and TE(IT)	SE: 49 and TE: 62
3	02/08/2024	Seminar	100% Scholarship for Studying Abroad and Future Career Opportunities	Mr.Subhas Pol, Edwise International ,Pune	TE(IT)	54
4	14/09/2024	Webinar	Cybersecurity fundamentals & how to ignite your career in Cybersecurity	Mr.Charu Pelnekar, CEO & Founder CSCCOUNCIL.org & ICET.ai	SE(IT) and TE(IT)	SE: 42 and TE: 47
5	20/09/2024	Seminar	Higher Education and Career Opportunities Abroad	Miss.Leena Mohile, Destination Head,Study Smart.	TE(IT) and BE(IT)	TE: 44 and BE: 35
6	21/09/2024	Seminar	Importance of Meditation in our Life	Mr.Dhananjay Kulkarni, Centre Coordinator, Dhankawadi Branch Happy Thoughts, Tej Gyan Foundation	SE(IT) and TE(IT)	SE: 40 and TE: 35
7	30/01/2025	Seminar	International education and career Pathways Abroad	Miss.Leena Mohile, Study Abroad Expert, Study Smart.	TE(IT) and BE(IT)	TE: 50 and BE: 27

8	20/03/2025	Workshop	A hands-on Workshop on AI, IoT and Automation	Ms. Smita Amale Center Manager CADD CAREER Pune.	SE(IT), TE(IT) and BE(IT)	SE: 45, TE: 49 and BE: 43
9	16/04/2025	Seminar	Significance of Learning the German Language	Mr. Dipak Nakate Shree Datta Language Classes, Dattanagar, Pune- 411046	TE(IT)	42
10	21/08/2023	Workshop	AWS Discovery Day-Cloud Workshop	Mr. Pranav Phadke & Mr. Ameya Vaidya, Brainfloss Pvt Ltd, A 101, Century Society, Kothrud, Pune-411038	TE(IT)	66
11	23/08/2023	Seminar	Data Structures	Mr. Nagesh Mhetre, Click-in Computers, Pune-411043	SE(IT)	53
12	28/8/2023	Seminar	BSE Capital Market Awareness	Prof. Arvind Sawant, Lotus knowledgewealth Pvt. Ltd.	TE(IT)	46
13	7/9/2023	Seminar	Introduction to ML	Prof. Ashwini D. Khairkar, Dept of Information Technology, BVCOEW, Pune	SE(IT)	50
14	05/10/2023	Seminar	Internet of Things	Prof. Savita A Itkarkar, Department of Electronics & Telecommunication, BVCOEW,Pune-411043	TE(IT)	64
15	10/01/2024	Seminar	Placement Assistance for batch 2024	Mr. Aditya Wakodkar, Client Relation Manager	BE(IT)	35
16	01/02/2024	Seminar	Career Opportunities in Biomedical Engineering Field	Mrs. Vaishnavi Banke, Medifacts Inc, Pune	BE(IT)	22
17	09/02/2024	Seminar	Grooming Program On Cyber Security As per the Industry Standards	Mr.Manish Singh, Manager-Services Sales, Inflow Technologies Pvt. Ltd.	SE(IT)	54
18	09/02/2024	Seminar	Grooming Program On Cyber Security As per the Industry Standards	Mr.Manish Singh, Manager-Services Sales, Inflow Technologies Pvt. Ltd.	TE(IT)	50
19	30/08/2022	Seminar	Programming Techniques	Mr. Nagesh Mhetre, Click in Computers	SE(IT)	47
20	07/09/2022	Seminar	Study Abroad Opportunities (Foreign Languages)	Mr. Anand Bannatkar, ASAP (As Soon As Possible) Foreign Languages Institute	SE(IT)	40
21	16/09/2022	Seminar	Career opportunities in Indian Armed Forces for women-come join the team	Group Captain Sanjay Pethkar(Retd)	SE(IT)	44

22	16/09/2022	Seminar	Higher Studies Abroad and Further Opportunities and IELTS	Mr. Yogesh Ranga and Mr. Rahul Kamble	TE(IT)	50
23	23/09/2022	Seminar	Career Opportunities in IT	Mr. Mohan Dhanve, IANT J. M. Road Pune 1st Floor, Laxmi Sadan, opp. Kalmadi Petrol Pump,Above Arrow Showroom, J.M. Road Pune-411004	SE (IT), TE(IT)	94
24	14/10/2022	Seminar	How can students get 100% scholarship to study abroad	Mr. Subhash Pol, BDM, Edwise International, Pune	TE(IT), BE(IT)	74
25	06/02/2023	Seminar	Higher Education and Career Opportunities	Ms. Vinisha Sunil Chavan (Study Abroad -Team Lead) Study Smart ,307,Insignia Building,Pune 411001	BE(IT)	26
26	25/02/2023	Webinar	Training Demo of Aptitude and Technical Training.	Mr Vivek and Mr. Pratyus Pratye Seventh Sense,Talent Solutions #26, 1st A cross, 3rd Phase, 5th block,3rd stage, Banashankari,Banglore,560085	TE(IT)	44
27	09/03/2023	Webinar	Training Demo of Aptitude and Technical Training(Seventh Sense Talent Solution)	Mr. Vivek and Mr. Saqlain Shariff Seventh Sense,Talent Solutions #26, 1st A cross, 3rd Phase, 5th block,3rd stage, Banashankari,Banglore,560085	SE(IT) , BE(IT)	69
28	11/03/2023	Webinar	Training demo by Carpe Diem Boot Camp	Mr. Avinash Pathak Carpe Diem Boot Camp B-102, Kirti Elgant, Mahalunge, Pune 411045	TE(IT)	54
29	21/03/2023	Webinar	Training Demo by Eduplus	Mr. Sachin Satpute and Mr. Vishal Mohurle Eduplus 34A/1, Suyog Center, 6th floor, Market Yard Road, Gultekdi, Pune 411037	TE(IT)	32
30	25/03/2023	Webinar	Coding Super Power: Go Easy with C++ and Logic Building	Director. Bhakti Jagtap Bright Sea Technology Pvt.Ltd. Office No 504, Amanora Chambers, opposite SEASONS MALL, Amanora Park Town, Hadapsar, Pune, Maharashtra 411028	SE(IT)	42
31	29/03/2023	Guest Lecture	Computer Network and Security	Prof. Dr. Sandip Thite Vishwakarma University, Pune	TE(IT)	75

32	02/07/2023	Webinar	Training demo by Campus Credentia	Mr. Vishwajeet Dhuppe & Mr. Prashant Jha Campus Credential	TE(IT)	45

- **Professional Bodies Activities:**

1. BV College of Engineering ACM-W Student Chapter

The Department of Information Technology proudly runs the ACM-W Student Chapter under the name “BV College of Engineering ACM-W Student Chapter**,”** established in the year 2015. The chapter comprises 14 ACM student members, 2 professional members, 6 student officers, and one professional member serving as the faculty sponsor, with a total of 201 student chapter members.

The Association for Computing Machinery (ACM) is the world’s largest educational and scientific computing society. It provides a vast array of tools and resources to advance computing as a science and profession. ACM supports career development and enriches knowledge through lifelong learning opportunities.

Objectives of the ACM-W Student Chapter:

- To promote awareness and interest in computing, particularly among women students.
- To enhance technical and professional skills through hands-on events and activities.
- To encourage student leadership and teamwork through active participation in chapter operations.
- To foster collaboration and participation in ACM events at national and international levels.

Chapter Activities:

Under this student chapter, we organize various academic and professional activities such as: Eminent Speaker Program, Seminars/ Workshop, Project Exhibition etc.

Our students actively participate in events and initiatives organized by other ACM student chapters, contributing to a collaborative computing community.

Additionally, chapter members are eligible to receive ACM’s popular E-Newsletters, keeping them informed about the latest trends, research, and opportunities in the computing field.

Outcome: Enhance students learning skills such as communication, presentation, and leadership.

Workshops/Seminars Organized under ACM student chapter

Table 9.7.11 Activities conducted under ACM Student Chapter

Sr. No.	Date	Event Type (Seminar/ Workshop)	Name of Event/Activity	Name and Address of Resource Person	Organized For	No. of Students
1	1 Oct, 2024	Seminar	A Framework to Start Writing Your Own OS	Dr. Abhijat Vichare, Consultant, Compilers and system software, Corporate Technical Training	TE IT	57
2	18 Mar, 2025	Workshop	Commit to Git: A Beginners Guide to GitHub	Samiksha Pardeshi, Prachi Thakor, and Chetana Patil, TE IT Students	SE IT	49
3	18 Oct, 2023	Seminar	Introduction to Context free Grammar and Languages	Ms. Yogita Khalate and Ms. Ghanishtha Rane, Ms. Samta Bora and Ms. Sneha Salunke, BE IT Students	TE IT	49

4	04 April, 2024	Project Exhibition	INNERVE (Project Exhibition)	1. Dr. Arti Agarkar, Associate Prof., VIT, Pune 2. Dr. Sandip Thite, Asst. Prof. & HOD, Dept of Computer Engineering, VU, Pune 3. Dr. Prakash Sharma, Director, Passion Infotech Pvt. Ltd. 4. Prof. Namita Shinde, Asst. Prof., E&TC Dept., BVDUCOE, Pune 5. Prof. Chetan More, Asst. Prof., E&TC Dept., BVDUCOE, Pune 6. Dr. Sudhir Kadam, Asst. Prof., E&TC Dept., BVDUCOE, Pune	Computer Engineering, IT, E&TC, and Sister branches of Engineering Colleges from Maharashtra State	63 Groups
5	18th Oct, 2022	Webinar	Security and Trust	Kaarthik Sivakumar, Principal Engineer, Cisco Systems, Bangalore	SE and TE IT	76
6	23rd Mar, 2023	Seminar	SMAC Technologies and the Future	Mr. Ajay Deshpande, Senior Director, Icertis	SE and TE IT	47+51=98

- **NSS Unit:**

The National Service Scheme (NSS) is a powerful platform for students to engage in social service and nation-building activities. The NSS unit at *Bharati Vidyapeeth's College of Engineering for Women, Pune* was established in the academic year **2006–07** with an initial enrollment of **50 student volunteers**. Over the years, the unit received enthusiastic participation from students and strong institutional support, leading to a steady increase in its strength. The number of volunteers grew to **100** in **2010-11**, and further expanded to **200** in **2016-17**. With continued interest and commitment towards community development, the NSS unit has now reached a total strength of **250 volunteers** as of the academic year **2023-24**. The unit functions actively under the guidance of the Principal and appointed NSS Programme Officers, aligning with the objectives set by the Ministry of Youth Affairs and Sports, Government of India.

- **Objectives of NSS:**

The primary objective of the National Service Scheme (NSS) is to develop the personality of students through community service. It aims to help students understand the community in which they work and recognize their role within it. By engaging with local communities, students are encouraged to identify and analyze social problems and actively participate in finding and implementing practical solutions. The scheme fosters a sense of social and civic responsibility, cultivates democratic attitudes, and enhances leadership qualities. It also promotes group living, cooperation, and sharing of responsibilities. Through various activities, students acquire the skills needed to mobilize community participation and respond effectively to emergencies and natural disasters. Moreover, NSS instills the values of national integration, unity in diversity, and social harmony, shaping students into responsible and aware citizens.

- **Major Activities Conducted under NSS:**

The NSS unit of the college actively organizes and participates in a wide range of social, cultural, and developmental activities throughout the academic year. These include **tree plantation drives**, **Shramdaan (voluntary labour work)**, **blood donation camps**, **awareness campaigns** on health, hygiene, environment, and gender sensitization, as well as **lectures, seminars, and competitions** to promote civic and social values among students. The volunteers frequently **visit old age homes, orphanages, and schools for underprivileged children**, fostering empathy and community engagement.

Special emphasis is given to the celebration of important national and international days such as **Independence Day, Republic Day, Constitution Day, Engineers' Day, and Women's Day**. One of the key highlights of the NSS calendar is the **Seven-Day Special Residential Camp** held in rural or semi-urban areas, where students undertake activities like cleanliness drives, sanitation awareness, and socio-cultural programs focused on rural development. The residential camp in rural areas provide exposure to the grassroots realities and enabling community service for the students. The unit also takes pride in its volunteers being **selected to represent the college at prestigious events such as the State Republic Day Parade (SRD)** and the **National Republic Day Parade (NRD)** camps, showcasing their leadership, discipline, and active involvement in NSS at higher levels. Such selections reflect the dedication and excellence of the volunteers and contribute significantly to the visibility and impact of the institution's NSS initiatives.

Table 9.7.12 Activities conducted under NSS

Sr. No.	Event Name	A.Y. 2022-23		A.Y. 2023-2024		A.Y. 2024-25	
		No. of activities	No. of students participated	No. of activities	No. of students participated	No. of activities	No. of students participated

1.	Har Ghar Tiranga	3	260	4	190	2	250
2.	Cleanliness Drive	1	60	4	50	4	55
3.	NSS Orientation Program	4	260	3	166	4	250
4.	Voter Awareness	1	80	1	200	5	250
5.	Tree plantation	1	50	1	28	2	150
6.	Mental health and meditation program	1	77	3	125	3	150
7.	Grantha Dindi	2	113	2	125	2	150
8.	Trekking	1	100	1	125	1	150
9.	Science day	1	100	1	66	1	150
10.	Health checkups	3	300	2	120	3	150
11.	Cultural gathering	1	100	1	125	1	150
12.	National Festivals & Patriotic Events	5	80	5	70	6	180
13.	Ganesh idol making workshop	1	50	1	35	1	250
14.	Seven Days Residential Camp in Village	1	100	1	125	1	125
	National/State/District level workshops						
15.	State Level Workshop on Contribution of Transgender in Election Process	1	10	-	-	-	-
16.	Gadsanvardhan (Fort conservation)	-	-	-	-	1	50
17.	Gender sensitization	-	-	-	-	1	100
18.	Meri mati mera desh	-	-	1	146	-	-
19	Viksit Bharat	-	-	1	168	-	-

- **First Year Engg. Induction Program :**

Table 9.7.13 Activities conducted in FE Induction Program

Sr. No	Date	Activity	Resource Person
1	20/09/2024	Meditation/ Yoga	Prof. U. S. Zope Prof. K. S. Sawant
		Physical Activity Out Door(Ground)	Prof. K. B. Naikwadi Prof. Dr. G. G. Patil
2	23/09/2024	Happy Thought Session	Student Volunteers
		Youth for Nation	Vikram Magar
3	24/09/2024	Empowering Women by Incubating ideas to Startups	Dr.Atual Ayare
	24/09/2024	Department visit (COMP)	Prof. K. S. Sawant
4	25/09/2024	Katalyst Scholarship Session	Prof. Dr. S. S. Jadhav Prof. D. P. Chopade
	25/09/2024	Department visit (IT)	Prof. M. A. Rane
5	26/09/2024	Introduction of ICC	Prof. Dr. S. S. Chorage Prof. Dr. S. S. Jadhav
	26/09/2024	Community Outreach Program Info Session	Prof. S. A. Itkarkar
6	27/09/2024	Museum Visit	Prof. Y. D.Kute Prof. A. B. Vitekar
	27/09/2024	One minute game/Art related activities	Prof. M. A. Patwardhan Prof. U. S. Zope
7	28/09/2024	Principal address to students and Parents	
	28/09/2024	Cultural activities	Prof.Anjali Kadam

8	30/09/2024	Tree Plantation	All F.E. Teaching and Non-teaching staff NSS Unit
9	29/08/2023	Meditation/ Yoga	Prof. U.S. Zope Prof.S.R.God
		Katalyst Scholarship Session	Prof. Dr.S.S. Jadhav Prof. D. P. Chopade
10	30/08/2023	Meditation/ Yoga	Prof. U.S. Zope Prof.S.R.God
		Department visit (Comp)	Prof. D.P.Chopade Prof. U.S.Zope Prof.KS.Sawant
11	31/08/2023	Introduction of ICC	Prof.Dr.S.S.Chorage Prof. M.A. Patwardhan
		Department visit (IT)	Prof. Y. D. Kute Prof. Smita God Prof.M.A.Rane
12	01/09/2023	Cummins Scholarship Session	Prof. D.P.Chopade Prof. U.S. Zope Prof.S.R.God
		Department visit E & TC	Prof. Y. D. Kute Prof. M.A. Patwardhan Prof. K. D.Mahajan Prof. P.R.Yawale Prof. S.V. Shelake Prof. R. Sapakal
13	02/09/2023	Museum Visit	Prof. Y.D.Kute
		Practice for Cultural Activities	Practice for Cultural activities
14	04/09/2023	Sports activities (BV Ground)	Prof. K. B.Naikwadi Prof.Dr.G.G.Patil
15	05/09/2023	Cultural activities	FE ALL Teaching & Nonteaching Staff
16	22/11/2022	Meditation/ Yoga	Prof. U.S. Zope
		Physical Activity Out Door(Ground)/Indoor	Prof. K. B.Naikwadi
17	23/11/2022	Student Development session	Prof. K.R. Chaudhari Prof. D. P. Chopade Prof. Dr. S. S. Jadhav
		Feedback & allocation of next activity	

18	24/11/2022	Meditation and Yoga	Prof. U.S. Zope
		Physical Activity Out Door(Ground)/Indoor	Prof. K. B.Naikwadi
19	25/11/2022	Exam section Session	Prof. Dr. S.S. Thite Prof. M.A. Patwardhan
		Auditions for Cultural activities	Prof. D. P. Chopade Prof. Dr. S.S. Jadhav
20	26/11/2022	Meditation and Yoga	Prof. U.S. Zope
		Katalyst Scholarship Session	Prof. D. P. Chopade Prof. Dr. S.S. Jadhav

10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120)

Total Marks 110.00

10.1 Organization, Governance and Transparency (40)

Total Marks 36.00

10.1.1 State the Vision and Mission of the Institute (5)

Institute Marks : 5.00

Vision :
Women Empowerment through Technical Education.
Mission :
M1: Develop women students to rise to their full potential. M2: Impart knowledge and prepare competent engineers.

10.1.2 Governing body,administrative setup,functions of various bodies,service rules, procedures, recruitment and promotional policies (10)

Institute Marks : 9.00

A] List of Governing Body Composition, senate, and all other academic and administrative bodies; their memberships, functions, and responsibilities, frequency of the meetings; participation details of external members and attendance there in.

To achieve the organization's objectives and ensure transparency, a clear organizational structure and hierarchy of authority have been established. Duties, responsibilities, and powers are systematically assigned and coordinated across various levels of management. (The organizational structure chart is available on institutional website).

1. **Governing Body:**

Table 10.1.2.1 Composition of Governing Body

Sr. No.	Nominations / Designation	Name
1	Chairman-Nominated by Trust	Hon. Dr. Vishwajeet Kadam
2	Members Nominated by Society /Trust	Dr. U. B. Bhoite
		Dr. S. F. Patil
		Principal Dr. K. D. Jadhav
		Dr. Mandar Karmarkar
3	Nominee of AICTE Regional office EX Officio.	
4	An Industrialist/ Techno. Educationist from region nominated by regional committee as nominee of council	Dr. A. S. Padalkar
5	Nominee of affiliating body/uni. /State Board of Technical Education	
6	Nominee of State Government DTE Ex. Officio.	Dr. D.V Jadhav
7	An Industrialist/ Techo. / Educationist from region nominated by Stat Government	Dr. P. B. Mane
8	Principal/Member Secretary (Nominated by Society/Trust)	Prof. Dr. P. V. Jadhav
9	Two Facility members regular (Prof. and Asst. Prof. level)	Prof. Dr. S. S. Chorage
		Prof. Dr. A. M. Pawar

Functions and responsibilities:

1. **Financial Approvals**
   - Approve the annual budget estimates in advance.
2. **Audit and Accounts**
   - Review and approve the audited financial statements for each year.
3. **Human Resource Management**
   - Approve the recruitment of faculty and staff.
   - Approve promotions and recognize outstanding performance of faculty and staff.
4. **Regulatory Compliance**
   - Ensure compliance with the requirements set by AICTE, the State Government, and the affiliating University.
5. **Infrastructure Development**
   - Review and approve proposals for new infrastructure and facility upgrades.
6. **Academic Expansion**
   - Approve proposals for increasing student intake and launching new academic programs**.**
7. **Service Conditions**
   - Implement service conditions for faculty and staff in accordance with guidelines from the State Government and affiliating University.

8. Academic Review

- Review the Principal's report on student admissions and academic performance.

Frequency of meeting: Two times in a year

2. **College Development Committee:**

As per the Maharashtra Public Universities Act 2016, Section 97, the College Development Committee is formed at the college level.

Table 10.1.2.2 Composition of College Development Committee

Sr. No.	Nominations / Designations	Name	
1.	Chairperson of the management or his nominee ex officio Chairperson	Hon. Dr. Vishwajeet Kadam	
2.	Secretary of the Management or his nominee	Dr. K. D. Jadhav	
3.	One head of Department (to be nominated by the Principal or the head of the Institution)	Prof. Dr. D. A. Godse	
4.	Three teachers in the College or recognized Institution elected by the full time amongst themselves out of whom at least one shall be women	1.	Prof. Mrs. P. D. Kale
		2.	Prof. Dr. V. R. Pawar
		3.	Prof. Dr. Mrs. K. A. Malgi
5.	One non-teaching employee elected by regular non-teaching staff from amongst themselves	Mr. S. J. Deshmukh	
6.	Four local members, nominated by the Management in consultation with the principal, from the fields of education, industry, research and social service of whom at least one shall be alumnus	1.	Dr .U.B. Bhoite
		2.	Dr. S. F. Patil
		3.	Dr. Mandar Karmarkar
		4.	Dr. Tansen Chaudhari
7.	Coordinator, Internal Quality Assurance Committee of the College	Prof. Dr. S. S. Chorage	
8.	President and Secretary of the College Students Council	Miss. Hrucha Gohad	
9.	Principal / Director of the College or Head of the Institution-Member – Secretary	Prof. Dr. P. V. Jadhav	

Frequency of meeting: Two times in a year

3. **Internal Quality Assurance Committee (IQAC)**

IQAC Objectives:

- To decide upon quality initiatives and improvements needed at the institute for the benefit of the students.
- To imbibe quality environment at institute in all academic and administrative processes.
- To be instrumental in review of teaching learning process, structures, methodologies and student centric methods for achieving best educational environment.

Table 10.1.2.3 Internal Quality Assurance Committee (IQAC)

Sr. No.	Name of the IQAC Member	Designation	Position
1	Prof. Dr. P. V. Jadhav	Head of the Institute	Chairperson
2	Dr. K. D. Jadhav	Joint Secretary of Bharati Vidyapeeth	Member of Management
3	Dr. S. F. Patil	Executive Director of Bharati Vidyapeeth	Member of Management
4	Prof. Dr. S.R. Patil	HOD, E & TC Engineering	Teacher Representative
5	Prof. Mrs. Khot S.T	Training cell Coordinator	Teacher Representative

6	Prof. Dr. V. R. Pawar	Academic & Research Coordinator	Teacher Representative
7	Prof. Dr. S. M. Rajbhoj	Industry institute Interaction	Teacher Representative
8	Prof. Ms. K. D. Mahajan	Alumni Coordinator	Teacher Representative
9	Prof. Mr. D. D. Pukale	HOD, Computer Engineering	Teacher Representative
10	Prof. Mrs. P. D. Kale	Placement cell Coordinator	Teacher Representative
11	Prof. Dr. D. A. Godse	HOD, Information Technology	Teacher Representative
12	Prof. Dr. K. A. Malgi	ICT & IT Infrastructure Coordinator	Teacher Representative
13	Prof. Dr. A. M. Pawar	HOD, Engineering Sciences and Allied Engineering	Teacher Representative
14	Mrs. Vaishali Kadam	Office Superintendent	Admin. Representative
15	Dr. V.M. Mohite	Librarian	Admin. Representative
16	Mr. Nityanand Prabhu Tendolkar	Chief Technical Officer, Ergen Technovation Pvt. Ltd.	Industry Representative
17	Mr. Sanjaykumar Gupta	Parent	Parent Representative
18	Ms. Shital Patil	Alumna (IT)	Alumni Representative
19	Ms. Khushi Mittal	Student (E & TC)	Student Representative
20	Prof. Dr. S. S. Chorage	Professor (E & TC)	Coordinator of the IQAC

Roles and Responsibilities of IQAC:

- Keeping regular updates of NBA/NAAC and other quality improvement circulars.
- Preparing Strategic plan of the institute.
- Preparation and submission of Annual Quality Assurance Report (AQAR) yearly.
- Maintaining academic records and conducting various audits (e.g. energy audit, environment audit, academic and administrative audit, gender audit etc.) at required intervals.
- Taking review of updating of hardware and software requirements and internet facilities.
- Updating feedback forms as per guidelines from regulatory bodies.
- Providing guidelines for research proposals, implementing ERP and data management system.
- Mentoring to organize various technical and nontechnical events.
- Guiding for preparation of reports of various activities for quality improvement.

Frequency of meeting: Four times in a year.

B] The Published service rules, policies and procedures with year of publication

The rules and policies regarding recruitment and promotion are as per AICTE, DTE, and Savitribai Phule Pune University Pune.

C] Minutes of Meeting and action taken reports:

Agendas, notifications, minutes of meetings, and action taken reports for all previously held meetings of the Governing Body and the College Development Committee are available at the institute's administrative office.

10.1.3 Decentralization in working and grievanceredressal mechanism (10)

Institute Marks : 9.00

A] List the names of the faculty members who have been delegated powers for taking administrative decisions

The institution promotes a decentralized administrative structure to ensure effective governance and participative decision-making. Administrative powers and responsibilities are distributed among various faculty members and staff to streamline academic and operational efficiency. Key positions such as Principal, Vice Principals, Heads of Departments, and Office Superintendent are entrusted with specific decision-making authorities related to their roles. This empowers them to take independent decisions within their scope of work, thereby improving institutional functioning and responsiveness to stakeholder needs.

Table 10.1.3.1 Faculties Delegated with Administrative Powers

Sr. No.	Name	Designation
1	Prof. Dr. Pradeep V. Jadhav	Principal
2	Prof. Dr. A. M. Pawar	Vice Principal (Administration)
3	Prof. Dr. S. S. Chorage	Vice Principal (Academic)
4	Prof. Dr. S. R. Patil	Head of Electronics and Telecommunication Engineering
5	Prof. Dr. D. A. Godse	Head of Information Technology
6	Prof. Dr. S. P. Kadam	Head of Computer Engineering
7	Mrs. Vaishali Kadam	Office Superintendent

- To promote decentralised and participative governance, the institute has established various functional committees. Each committee is led by a senior faculty member serving as the coordinator.
- The coordinator has well defined roles and responsibilities to perform. The issues discussed in the respective meetings are considered and forwarded for further necessary action.
- The institute believes that decentralization will help involve every member of the institute and assign authority to representatives for decision making.
- Mainly decentralization at the institute is classified into Academic decentralization, Administrative decentralization and Students representation.
- Department heads are responsible for effective planning and implementation of academics and curriculum-based activities.
- Heads of the Department recommend new purchases in view of revised curriculum to the college level purchase committee.
- In administrative decentralization, all the activities related to the student section, establishment section, examination section, store, maintenance, accounts and audit are administered by the office superintendent.
- Important committees such as Internal Complaint Committee, Internal Quality Assurance Cell, Department Advisory Board, Anti ragging Committee etc. have effective representation of all stakeholders: parents, alumni, industry representative, counselors, campus police team etc. This assures participative management.
- The institute has a central feedback committee which looks after the feedback process of the institution. Feedbacks are collected from employers, students, examiners, etc.
- Faculty members who are representing as a subject chairman at university level can participate in reforms related to their respective courses and can convey the suggestions given by different stakeholders to the respective Board of Studies.

Details of all other statutory and non-statutory committees are available on the institutes official website. (https://coewpune.bharatividyapeeth.edu/index.php (https://coewpune.bharatividyapeeth.edu/index.php))

B] Specify the mechanism and composition of Grievance Redressal Cell

Table 10.1.3.2 Composition of Grievance Redressal Cell

Sr. No.	Name	Designation	Mobile No.
1	Prof. Dr. Pradeep V. Jadhav	Chairperson	9665696022
2	Prof Dr. Avinash M. Pawar	Vice-Chairman	9028771377
3	Prof. Dr. Suvarna S. Chorage	Vice-Chairman	9881717562
4	Prof. Dr. Sandip R. Patil	HOD of E & TC	9423211277
5	Prof. Dr. Godse Deepali A.	HOD of IT	9371444481

6	Prof. Dr. Sonali P. Kadam	HOD of Comp	9860623126
7	Mrs. Vaishali S. Kadam	Office superintendent	8805638555
8	Mr. Shivaji J. Deshmukh	Sr. Clerk	9767436197

Table 10.1.3.3 Composition of Student Grievance Redressal Committee (SGRC)

Sr. No.	Name	Designation	Mobile No.
1	Prof. Dr. P. V. Jadhav	Chairman	9665696022
2	Prof. S. R. Mitkari	Member	9960687039
3	Prof. S. A. Sagar	Member	9607557103
4	Prof. K. S. Warke	Member	9922414563
5	Miss Samiksha Pardeshi	Student Member	9420873914
6	Miss. Jagruti Kumbhar	Student Member	9322121765
7	Miss. Aarya Deshmukh	Student Member	8788156489

Grievance Redressal Mechanism:

The Grievance Redressal Cell plays a crucial role in ensuring fair, timely and impartial resolution of concerns raised by students, faculty, and staff. It is headed by the Principal and includes senior faculty and administrative representatives. It addresses a wide range of concerns including academic issues, infrastructure-related complaints, faculty behavior, and general student welfare. Serious matters like harassment or ragging are directed to the Internal Complaints Committee (ICC) or Anti-Ragging Committee respectively.

Grievances may be submitted through the physical complaint boxes. Once received, the grievance is acknowledged, reviewed and resolved or escalated as needed in time. A fair hearing process ensures confidentiality and justice.

Any complaints oral or written submitted by students are first recorded by the Head of the Department through the designated Guardian Faculty Member. The grievances are then discussed and suitable action is taken.

This structured grievance redressal system contributes to a positive campus climate.

In addition to the Grievance Redressal Cell, the institute has constituted several other important bodies such as the Anti-Ragging Committee and the Internal Complaint Committee. Details of these committees are available on the official website. (https://coewpune.bharatividyapeeth.edu/index.php (https://coewpune.bharatividyapeeth.edu/index.php))

C] Action taken report as per 'B' above

The action taken reports are maintained by the Cell and the Departments.

Sample Case

Meeting held on: 25/04/2022

Agenda:
Ms. Bhavana Khaire submitted an application regarding restriction from filling the Third Year examination form.

Action Taken:

The case was discussed in the SGRC meeting held on 25/04/2022. The SGRC directed the Examination Section to follow up with Savitribai Phule Pune University (SPPU) on the matter. As per the directions, the Examination Section communicated the issue to SPPU through the referenced letter. Subsequently, the issue was resolved, and the student was permitted to fill the examination form.

Ref.:

- Students application dated 11/04/2022
- Examination Section's letter to SPPU: Ref. No. BV/COEW/27-2022-23 dated 18/04/2022

10.1.4 Delegation of financial powers (10)

Institute Marks : 9.00

A] Financial powers delegated to the Principal, Heads of Departments and relevant in-charges

The institution follows a structured and decentralized approach to financial decision-making. Financial powers are delegated across various administrative levels to ensure smooth functioning and timely execution of academic, administrative, and infrastructural activities.

- The Governing Body holds the apex authority and is responsible for approving major financial decisions, ensuring alignment with institutional goals.
- The Principal is delegated with operational-level financial decisions related to academic and campus development.
- Principal, Vice Principal and Heads of Department, office superintendent have the authority to handle academic and administrative expenses.
- Provision of petty cash Rs 45,000/- per month is available and Principal, Vice Principal and Heads of Department, office superintendent can make expenses using petty cash.

This delegation ensures timely utilization of resources, promotes accountability, and supports the effective implementation of institutional plans.

10.1.5 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks : 4.00

A] Information on the policies, rules, processes is to be made available on web site

The institution ensures transparency by proactively sharing accurate and unambiguous information with all stakeholders. Key institutional details such as vision, mission, admission procedures, faculty profiles, academic policies, course structures, examination schedules, placement data, grievance redressal mechanisms, and committee structures are regularly updated and published.

Information is made available through:

- Institute website
- Departmental notice boards
- Email circulars and internal communication

This openness enhances trust and ensures stakeholders—students, parents, faculty, and regulatory bodies—can access the required information at any time.

B] Dissemination of the information about student, faculty and staff

- Notices and circulars relevant to students are communicated in classrooms and prominently displayed on notice boards.
- Notifications from regulatory authorities are circulated to the Heads of Departments and further shared with faculty members and students to ensure awareness and compliance.
- The academic progress of the students is regularly informed to the parents by guardian faculty members.
- The institutes official website is regularly updated to provide timely information related to institutional policies, student services, faculty updates, and other essential announcements.

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)

Total Marks 27.00

Summary of currentfinancial year's budget and actual expenditure incurred(for the institution exclusively)in the three previous financial years :

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY : (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2024-25

Total Income 125387654				Actual expenditure(till…): 166388231			Total No. Of Students 1195
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
122859606	0	630360	1897688	133022076	32933305	432850	139237.01

Table 2 - CFYm1 2023-24

Total Income 113319782				Actual expenditure(till…): 139936659			Total No. Of Students 1092
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
110811207	0	0	2508575	118939263	20419896	577500	128147.12

Table 3 - CFYm2 2022-23

Total Income 112347980				Actual expenditure(till…): 131134332			Total No. Of Students 1118
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
111020996	0	0	1326984	109120036	21625528	388768	117293.68

Table 4 - CFYm3 2021-22

Total Income 103104365				Actual expenditure(till…): 101430816			Total No. Of Students 1093
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
101367288	0	462700	1274377	87132504	14241312	57000	92800.38

Items	**Budgeted in 2024-25**	**Actual Expenses in 2024-25 till**	**Budgeted in 2023-24**	**Actual Expenses in 2023-24 till**	**Budgeted in 2022-23**	**Actual Expenses in 2022-23 till**	**Budgeted in 2021-22**	**Actual Expenses in 2021-22 till**
Infrastructure Built-Up	12055000	11709000	12500000	11419993	13000000	12436992	13000000	12384500

Library	1690000	882528	980000	643953	1195000	1007694	714000	405516
Laboratory equipment	22850000	19914569	8000000	6817187	8084800	7030446	1935000	300900
Laboratory consumables	7300000	5758339	7500000	6200416	4500000	3781306	3500000	3181901
Teaching and non-teaching staff salary	104600000	100980853	96654200	92112374	90060600	88186050	83087900	68985747
Maintenance and spares	4945000	4381839	2500000	1997829	2000000	1847835	1500000	1222560
R&D	650000	659150	200000	715000	600000	843425	300000	57000
Training and Travel	275000	218356	200000	137281	340000	308104	150000	87244
	0	0	0	0	0	0	0	0
Others, specify	24300100	21883597	22771200	19892626	19689200	15692480	16878300	14805448
Total	**178665100**	**166388231**	**151305400**	**139936659**	**139469600**	**131134332**	**121065200**	**101430816**

10.2.1 Adequacy of budget allocation (10)

Institute Marks : 9.00

A well-planned and sufficient budget is allocated to various departments and sections, based on academic goals, infrastructural needs, student strength, and forthcoming initiatives. Prior to the start of the academic year, departmental heads submit their budget proposals, which are compiled, reviewed, and sanctioned accordingly. The allocated budget is sufficient to support:

- Laboratory and equipment upgrades
- Faculty development programs
- Infrastructure maintenance
- Research and innovation activities
- Teaching-learning enhancements

The financial planning is aligned with the institution's growth and quality improvement goals.

The sanctioned budget is designed to effectively meet the infrastructural, academic, and administrative needs of the institute.

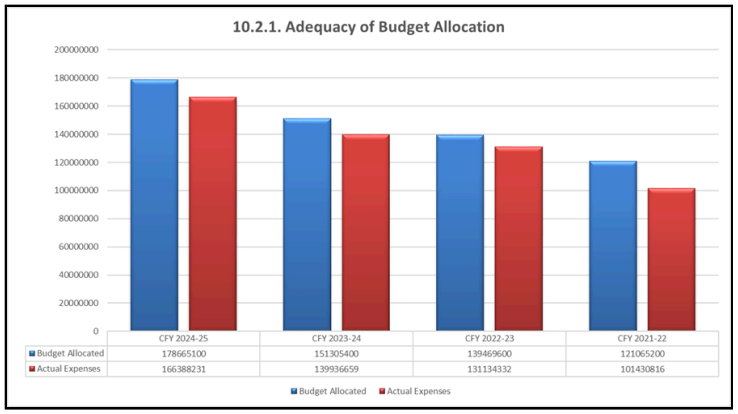


Figure 10.2.1.1 Adequacy of Budget Allocation

10.2.2 Utilization of allocated funds (15)

Institute Marks : 14.00

The funds allocated are effectively utilized aiming to enhance program outcomes. Each department utilizes its allotted budget through a well-structured and transparent process. Once approved, the Head of the Department holds discussions with faculty to identify procurement needs such as equipment, consumables and developmental tools. Faculty members responsible for laboratories and courses are assigned the task of identifying the necessary items. Quotations are collected from multiple vendors, and a comparative statement is prepared by the departmental purchase committee based on the received quotations.After receiving necessary approvals, purchase orders are placed, and the procurement is carried out as per institutional procedures. The HoD regularly monitors the process to ensure timely completion of purchases and full utilization of the allocated funds.

Table 10.2.2.1 Utilization of allocated funds in percentage

Items	2024-25	2023-24	2022-23	2021-22
Infrastructural built-up	97.13	91.36	95.67	95.27
Library	52.22	65.71	84.33	56.79
Laboratory Equipment	87.15	85.21	86.96	15.55
Laboratory Consumables	78.88	82.67	84.03	90.91
Teaching and Non-teaching staff salary	96.54	95.30	97.92	83.03
Maintenance & spares	88.61	79.91	92.39	81.50
R & D	34.82	68.75	75.78	0
Training and Travel	79.40	68.64	90.62	58.16
Other, Specify	90.06	87.36	79.70	87.72

10.2.3 Availability of the audited statements on the institute's website (5)

Institute Marks : 4.00

The institute's audited financial statements are made publicly accessible on the official website. (https://coewpune.bharatividyapeeth.edu/index.php/downloads/fra-proposal (https://coewpune.bharatividyapeeth.edu/index.php/downloads/fra-proposal))

10.3 Program Specific Budget Allocation, Utilization (30)

Total Marks 28.00

Institute Marks :

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY: (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY 2024-25

14848020		Actual expenditure (till…): 12542012.40		Total No. Of Students 198
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
8554000	6294020	7450250.40	5091762	63343.50

Table 2 :: CFYm1 2023-24

14050300		Actual expenditure (till…): 12285120.25		Total No. Of Students 198
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
6357500	7692800	5684816	6600304.25	62046.06

Table 3 :: CFYm2 2022-23

12577250		Actual expenditure (till…): 11045904		Total No. Of Students 198
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
6194950	6382300	5543508	5502396	55787.39

Table 4 :: CFYm3 2021-22

9394325		Actual expenditure (till…): 8035792.25		Total No. Of Students 198
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
4149750	5244575	3485103	4550689.25	40584.81

Items	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till	Budgeted in 2021-22	Actual Expenses in 2021-22 till
Laboratory equipment	4605000	3530021	2387500	2177721	2246200	2015394	383750	0
Software	0	85442	275000	384691	275000	205871	275000	287599
Laboratory consumable	1460000	1066226	1600000	1165413	850000	739456	600000	507876
Maintenance and spares	989000	876368	625000	499457	500000	461959	375000	305640

R & D	130000	45260	50000	34375	150000	261907	75000	14000
Training and Travel	55000	43671	50000	34320	85000	77026	37500	21811
	7609020	6895025	9062800	7989143	8471050	7284292	7648075	6898866
Total	**14848020**	**12542013**	**14050300**	**12285120**	**12577250**	**11045905**	**9394325**	**8035792**

10.3.1 Adequacy of budget allocation (10)

Institute Marks : 9.00

- During the annual budgeting process, departmental requirements are thoroughly assessed and integrated into the overall financial planning.
- Before the commencement of the financial year, all recurring and non-recurring purchase needs are gathered from departmental laboratory in-charges.
- The Head of the Department (HoD) finalizes the budget proposal by taking into account various factors such as student intake, university curriculum, industry needs, and the development of laboratory and infrastructure. Budget requirements for equipment, computers, software, consumables, maintenance, and furniture are consolidated accordingly.
- Once finalized, the departmental budget proposals are submitted by the Head of Department to the Principal. These are subsequently presented at the College Development Committee (CDC) and Governing Body (GB) meetings for discussion and revision if required
- Following this, the management reviews the proposals and grants final approval, incorporating any necessary modifications.
- The approved departmental budget supports upgrading of laboratories, procurement of equipment, consumables, software, computers, and maintenance materials, as well as facilitating both academic and extra curricular initiatives.

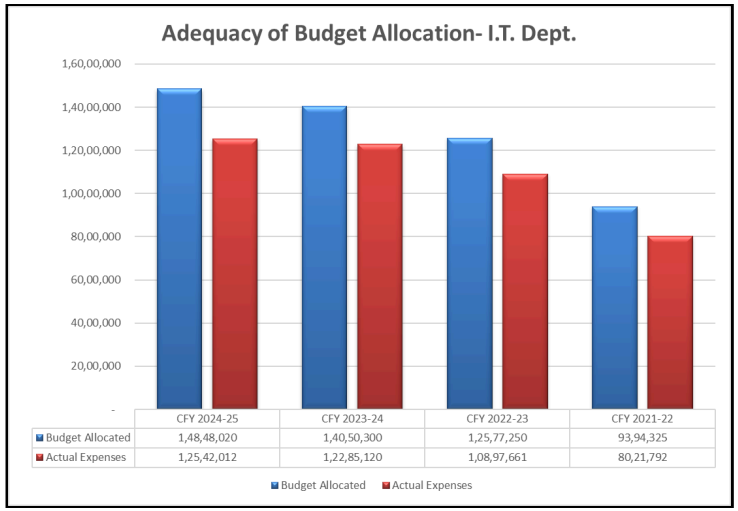
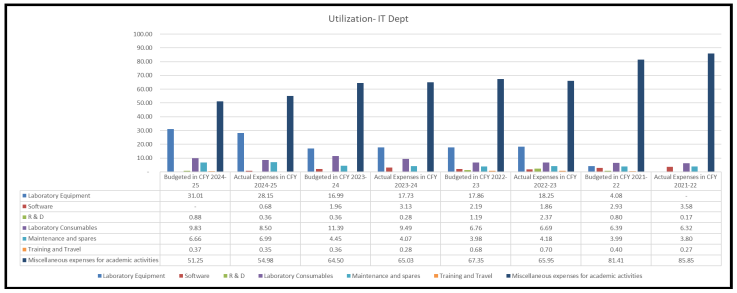


Figure 10.3.1.1 Adequacy of Budget Allocation- I.T. Dept.

10.3.2 Utilization of allocated funds (20)

Institute Marks : 19.00

The funds allocated to the departments are effectively utilized, aiming to enhance program outcomes. This process ensures thorough planning is carried out prior to the commencement of each semester.



	Budgeted in CFY 2024-25	Actual Expenses in CFY 2024-25	Budgeted in CFY 2023-24	Actual Expenses in CFY 2023-24	Budgeted in CFY 2022-23	Actual Expenses in CFY 2022-23	Budgeted in CFY 2021-22	Actual Expenses in CFY 2021-22
Laboratory Equipment	31.01	28.15	16.99	17.73	17.86	18.25	4.08	-
Software	-	0.68	1.96	3.13	2.19	1.86	2.93	3.58
R & D	0.88	0.36	0.36	0.28	1.19	2.37	0.80	0.17
Laboratory Consumables	9.83	8.50	11.39	9.49	6.76	6.69	6.39	6.32
Maintenance and spares	6.66	6.99	4.45	4.07	3.98	4.18	3.99	3.80
Training and Travel	0.37	0.35	0.36	0.28	0.68	0.70	0.40	0.27
Miscellaneous expenses for academic activities	51.25	54.98	64.50	65.03	67.35	65.95	81.41	85.85

Figure 10.3.2.1 Utilization of Allocated Fund in Percentage

10.4 Library and Internet (20) Total Marks 19.00

10.4.1 Quality of learning resources (hard/soft) (10)

Institute Marks : 9.00

A] Availability of Relevant Learning Resources Including E-Resources and Digital Library

Our institution takes pride in offering a robust and resourceful Central Library that caters to the academic and intellectual needs of students and faculty alike. Since its inception in the year 2000 with a modest collection of 937 books, the library has grown tremendously, now 24,039 printed books volumes, 3,144 e-journals, 2,635 e-books, 53 print journals/magazines, 8 newspapers and 3,315 CDs/DVDs. This expansion reflects the institute's firm commitment to supporting quality education and research.

The library covers an area of 408 square meters and houses a spacious, well-lit reading hall with a seating capacity of approximately 200 students, offering a peaceful and conducive learning environment.

To support advanced learning, the institute subscribes to a wide range of national and international journals, including platforms such as DELNET, K-Hub and NPTEL. The access to these resources ensures that students stay updated with the latest developments in their respective domains.

Digital Library & E-Resource Access:

- **Knimbus Digital Library**: A unified, user-friendly platform allowing access to digital content anytime, anywhere. It is accessible through: Knimbus Portal (https://bvuniversity.knimbus.com/portal/v2/default/home)
- **DELNET**: Offers interlibrary loans, free e-resources and remote access: DELNET Portal (https://discovery.delnet.in/)
- **K-Hub (eLibrary)**: A rich repository of academic e-books and journals: K-Hub Portal (https://www.k-hub.in/)
- **NDLI (National Digital Library of India)**: As a registered member of NDLI, our students benefit from access to a national repository of curated academic content, supported by the Ministry of Education, Govt. of India.

In a bid to stay aligned with the digital transformation in education, our library functions as a hybrid knowledge hub with both physical and digital learning materials.

Library Automation: KOHA ILMS

The library is powered by the KOHA Integrated Library Management System, which ensures efficient cataloging, circulation, search and user services. KOHA enhances accessibility by enabling smart retrieval of content, even through keywords or descriptive tags.

The institute employs both commercial and open-source software for automating various library services ensuring the best possible user experience for both physical and digital access.

Table 10.4.1.1: Learning resources available in Library

Sr. No.	Learning Resource	Number/Details
1	Books	24,039
2	E-Journals (K-Hub + DELNET)	3,144
3	E-Books (K-Hub + DELNET)	2,635
4	Print Journals / Magazines	53
5	Newspapers (English & Marathi)	8
6	CDs / DVDs	3,315
7	Digital Platforms Subscribed	Knimbus, K-Hub, DELNET, NDLI
8	Library Management System	KOHA ILMS

B] Accessibility to Students

Our library has been thoughtfully designed to be accessible and inclusive, ensuring all students can benefit from its vast repository of knowledge, whether on campus or from home.

On-Campus Access

Library services are available during the following hours:

- **Monday to Friday**: 8:00 AM to 8:00 PM
- **Saturday**: 8:00 AM to 2:00 PM
- **Sunday and Holiday**: Closed

The extended weekday hours accommodate students with varied schedules, allowing them to engage in academic activities at their own pace.

Remote Access & Connectivity

To ensure continuous learning beyond campus boundaries, our institute has enabled remote access to all major e-resources. Through IP-based authentication and Wi-Fi connectivity across the campus, students can access resources from any device. Remote login features make sure that students have uninterrupted access to journals, e-books and databases from their homes or while on internships and research projects.

C] Support to students forself-learning activities

A qualified and supportive library staff is always available to guide students and faculty in utilizing the resources effectively be it locating a research paper, accessing an e-book, or navigating digital platforms like DELNET, K-Hub, or Knimbus.

10.4.2 Internet (10)

Institute Marks : 10.00

Name of the Internet provider	Gazon Communications India Ltd.
Available band width	300 Mbps
WiFi availability	Yes
Internet access in labs, classrooms, library and offices of all Departments	Internet access in available in all the labs through LAN, classrooms, library and offices of all departments and administrative office.
Security arrangements	Internet usage is monitored and controlled through a Cisco Firewall and Squid Proxy Server, ensuring secure and filtered access. Each user is assigned with user id and password. Antivirus software is installed on all computers and laptops of the institute.

Annexure I

(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

1. **Engineering Knowledge :** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)

PSO1	Graduates will possess knowledge of IT infrastructure, data management systems, networking, and security.
PSO2	Graduates will be able to understand and apply algorithmic techniques and programming skills for providing software solutions in the IT industry.
PSO3	Graduates will be capable of acquiring and demonstrating technical competencies in emerging technologies of Information Technology

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute

Prof. Dr. Pradeep Vitthal

Name : Jadhav

Designation : Principal

Signature :

Seal of The Institution :

Place : Pune

Date : 28-07-2025 16:08:02