



**Mahatma Education Society's
Pillai College of Engineering
Dr. K. M. Vasudevan Pillai Campus, Sector 16,
New Panvel, Navi Mumbai (M.S.) 410206**

**INFORMATION FOR ACADEMIC AND
ADMINISTRATIVE AUDIT OF THE DEPARTMENT
(2018-2019)
(Provide information for last A.Y. 2018-2019)**

1. Name of the Department: **Computer Engineering**

2. Year of establishment: **Academic Year 2000**

3. Programmes offered:

1. B.E Computer Engineering with intake 120

2. M.E Computer Engineering with intake 18

3. Ph.D. Computer Engineering with intake 10

4. Details of certificate/diploma program introduced in the last academic year:

SN	Program code	Program name	Name of the certificate/diploma introduced in last 5 years	Year of introduction	Link the relevant document
1	CS	Computer Engineering	College to Corporate Program on English for communication	2018-19	
2	CS	Computer Engineering	College to Corporate Program on Handling large projects	2018-19	

5. Details of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council:

Year	Name of Teacher	Name of the body in which full time teacher participated	RELEVANT LINK
1	Sushopti Gawade	Member, Question Paper Setting Committee, University of Mumbai	
2	Rupali Nikhare	Member, Question Paper Setting Committee, University of Mumbai	

3	Ranjita Gaonkar	Member, Question Paper Setting Committee, University of Mumbai	
4	Dr. Sharvari Govilkar	Member, Question Paper Setting Committee, University of Mumbai	

6. Details of new Courses introduced of the total number of courses across all Programmes offered by the department:

Name of the new course introduced in last A.Y.	Program name	Program code	Course code	Year of introduction	Link the relevant document
Theory of Computer Science	Undergraduate Computer Engineering		CSC504	2018-19	
Database Management System	Undergraduate Computer Engineering		CSC502	2018-19	
Microprocessor Lab	Undergraduate Computer Engineering		CSL501	2018-19	
Computer Network Lab	Undergraduate Computer Engineering		CSL502	2018-19	
CSL503 Database & Info. System Lab	Undergraduate Computer Engineering		CSL503	2018-19	
(DLOC-I) Multimedia System	Undergraduate Computer Engineering		CSC505	2018-19	
(DLOC-I) Advance Operating System	Undergraduate Computer Engineering			2018-19	
(DLOC-I) Advance Algorithm	Undergraduate Computer Engineering			2018-19	
Cryptography & System Security	Undergraduate Computer Engineering		CSC604	2018-19	
Mini Project	Undergraduate Computer Engineering		CSM605	2018-19	
Data Warehousing and Mining	Undergraduate Computer Engineering		CSC603	2018-19	
Software Engineering Lab	Undergraduate Computer Engineering		CSL601	2018-19	

System software Lab	Undergraduate Computer Engineering		CSL602	2018-19	
System Security Lab	Undergraduate Computer Engineering		CSL604	2018-19	
Data Warehousing & Mining Lab	Undergraduate Computer Engineering		CSL603	2018-19	
Machine Learning	Undergraduate Computer Engineering		CSDL 6021	2018-19	
(DLOC-II) Advance Database System	Undergraduate Computer Engineering		CSC605	2018-19	
(DLOC-II) ERP	Undergraduate Computer Engineering		CSC605	2018-19	
(DLOC-II) Advance Computer Network	Undergraduate Computer Engineering		CSC605	2018-19	

7. Details of the programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented:

Name of all programs	Whether adopting CBCS course system (yes/no)	Whether adopting elective course system (yes/no)	Program Code	Year of implementation of CBCS/ elective course system	Link the relevant document
Bachelor of Computer Engineering	YES	YES		2016	

8. Details of students enrolled in subject related Certificate/ Diploma programs/Add-on programs:

Year	Title of the programme	Type of the programme (Certificate/ Diploma programs/ Add-on programs)	Total Number of students enrolled in certificate or diploma or add-on programs
2018-19	Python and development of web application using Flask framework	Certificate	26
2018-19	NPTEL	Certificate	3
2018-19	Data Science and Machine Learning	Add-on	16
2018-19	Complete Network Fundamentals: Mastering CCNA	Certificate	8
2018-19	C2C (English for communication, Financial Literacy, Handling large projects)	Certificate	17
2018-19	FLASK: Python web framework	Certificate	18
2018-19	Workshop on IOT	Certificate	25
2018-19	GUI using C and JavaFX	Certificate	53
2018-19	Game Development Unity workshop	Certificate	132
2018-19	Workshop on LATEX	Certificate	100

9. Details of value added courses imparting transferable and life skills :

SN	Name of the value added courses (with 30 or more contact hours) offered during the last five years	Course Code	Year of offering	Year of discontinuation	Number of students enrolled in the year	Number of students completing the course in the year
1	Systems, Applications and Products in Data Processing (SAP)-Material Management (MM)	TSCM50 TSCM52	2017-18	NIL	5*	
2	Systems, Applications and Products in Data Processing (SAP) - Advance Business Application Programming	TAW10 TAW11 E TAW12	2017-18	NIL	5*	

	(ABAP)					
3	Applied Machine Learning and Data Science with Python	AML	2017-18	NIL	23	23
4	Complete Network Fundamentals: Mastering CCNA	CNF	2015-16	NIL	13	13
5	C2C-English for oral communication	C2C	2017-18	NIL	17	17
6	C2C-Financial Literacy	C2C	2017-18	NIL	17	17
7	C2C-Handling large projects	C2C	2017-18	NIL	17	17

10. Details of the students undertaking field projects/ internships:

Program name	Program code	No of students undertaking field projects / internships	Link the relevant document
Bachelor of Computer Engineering	CS	49	
Multidisciplinary Field projects-HACKATHON	All Programs	17	
Multidisciplinary Field projects - DEEP BLUE	All Programs	15	

11. Analysis with action taken report of feedback received from different stakeholders i.e. students, Alumni, Employer and teachers.

SN	Stakeholder	Department	Feedback Received	Action Taken	Link for Document
1	Teacher	Computer	1) At least one Inter domain routing algorithm such as BGP should be included in the syllabus. 2) IPv6 is completely missing in syllabus	IPv6 introduction and basic working of BGP is Covered in contents beyond syllabus	
2	Teacher	Computer	More Hands on routers would be beneficial to bridge the gap between curriculum and industry	Conducted course on CCNA	
3	Alumni	Computer	Improve Placement	Planning to Conduct more Training programs, Placement	

				seminars and company organized trainings and aptitude tests	
4	Alumni	Computer	facilitate to improve technical concepts and data synthesis	-	
5	Alumni	Computer	provide more training on improving professional ethics	Planning to conduct workshops similar to C2C	
6	Student	Computer	Unable to understand complex integration		
7	Student	Computer	Difficulty in designing different multimedia authoring system		
8	Student	Computer	Unable to evaluate the efficiency of different multimedia security techniques		

12. Number of students from other States and Countries admitted in the department:[C2]

Year of enrolment	Number of students enrolled from other states	Number of students enrolled from other countries	Link of the relevant document
2018-19	2	0	

13. Total number of students admitted in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2018-19	Computer Engineering	CE	120	126
	ME Computer Engineering	ME-CE	18	8
	PhD Computer Engineering		10	8

14. Number of seats filled against seats reserved for various categories(including Divyangjan) in the department:

29 % of total sanctioned seats	Year	Number of seats earmarked for reserved category as per GOI or State Government rule					Number of students admitted from the reserved category				
		SC	ST	OBC	Gen	Other	SC	ST	OBC	Gen	Others
35	2018-19	5	2	7	17	4	1	0	3	23	1

Name of the student enrolled under Differently abled Category	Gender	UDID Card Number	Type of Disability	Percentage of Disability	Program enrolled	Year of Enrolment
-----NA-----						

15. Special programmes conducted by the department for advanced learners and slow learners:

Department of Computer Engg has well defined policies and procedures to allow for the identification of different types of learners. Dept faculty are trained to identify and support students with varying learning capabilities.

At the First year level, students are identified into different academic categories based on their performance in the first internal assessment test. The weaker students thus identified are given more attention and it is ensured that they are taught to do well enough to perform at least to a level of passing in the university examinations.

Course-in-charge and class counselors during the teaching learning process identify the slow learners and advanced learners by observing their performance in different activities as well as the results of various assessment processes during the semester.

Mentor Mentee scheme, wherein a small group of students are allotted to one faculty mentor, helps to monitor the progress and difficulties faced by the students.

Periodic Parent Teacher meetings are organised where faculty members, and mentors interact with the parents of all learners and update them about the performance of their ward. It helps to enhance the performance of slow learners and groom advanced learners.

Remedial classes are organized for the students who are not good performers. Additional support is offered through examination oriented coaching and well formulated question banks as well as notes prepared by faculty.

When the divisions are formed, the batch of students with least scores are identified and scrupulous plan to ensure more practice among these students during the practical sessions is also made. Senior teachers are usually allotted to such batches to ensure good performance.

Study camp sessions are conducted to ensure that the weakest of the students are made to practise a certain minimum number of problems/topics from curriculum to ensure their success in examinations and thus improve their chances of placement in the higher semesters.

Special counselling and extra classes are conducted for the students who have failed in any subject. Extra lab sessions, additional tutorial hours, links to e-books and subject related video lectures are some of the other initiatives for slow learners.

Extra time for slow learners with dyslexia is given during the university examinations. Students having good academic records are encouraged to achieve higher ranks in university exams, and to take exams like GATE, GRE, TOEFL, IELTS, CAT etc. Teachers conduct extra sessions for students to prepare them for GATE examination.

Students having orientation towards research are motivated to present their work at conferences and competitions such as Aviskar, and this has helped us in winning awards at the university and also the state level.

These students are also encouraged to become part of the student council and form other student groups. Student activity fund has also been initiated to ensure that students have funds to travel to different parts of the country to participate in various competitions. Due to our efforts, multiple student teams have won 1st place in the AICTE hackathon in 2019 and well as in 2018.

16. Student- Full time teacher ratio:

Year	Number of students enrolled in the department(UG)	Number of students enrolled in the department (PG)	Number of full time teachers in the department (UG)	Number of full time teachers in the department (PG)	Number of teachers teaching both UG and PG courses	STR
2018-19	447	12	20	0	3	20:1

17. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Filled
Professor	2	3
Associate Professor	6	6
Assistant Professor	14	14
Total	22	23

18. Number of full time teachers with Ph.D. degree:

Year	Total No. Full time teachers	No. of teachers with PhD
2018-19	23	4

19. Details of full time teachers who received awards, recognition, fellowship at State, National, International level from government, recognized bodies:

Year	No. Of Full time Teachers	No. of teachers received awards/recognition/fellowship at State/National/International level	Relevant link
2018-19	23	10	

20. Number of full time teachers from other States against sanctioned posts:

Year	No. Of Full time Teachers	No. of teachers from other states
2018-19	23	2

21. Details of examination related grievances received if any.: NIL

The annual calendar with the semester start and end date along with the examination commencement is provided by the university.

The institution follows the practice of designing and adhering to an academic term calendar that incorporates the stipulations and academic calendar of the University of Mumbai. The academic calendar ensures effective delivery of curriculum and planning of co-curricular and extra curricular activities.

22. Adherence to the academic calendar:

**PILLAI COLLEGE OF ENGINEERING, NEW PANVEL
TENTATIVE TERM CALENDAR JUL-DEC 2018 FOR SE, TE & BE**

JUL		AUG		SEPT		OCT		NOV		DEC	
U 1		WE 1		SA 1		MO 1		TH 1		SA 1	
IO 2		TH 2		SU 2		TU 2	GANDHI JAYANTI	FR 2		SU 2	
U 3		FR 3		MO 3		WE 3		SA 3		MO 3	
VE 4		SA 4		TU 4		TH 4		SU 4		TU 4	
H 5		SU 5		WE 5		FR 5		MO 5		WE 5	
R 6	STAFF RETURN	MO 6		TH 6		SA 6		TU 6		TH 6	
A 7		TU 7		FR 7	DEFAULTER ALERT- II	SU 7		WE 7		FR 7	
U 8		WE 8		SA 8	PTMI WORKING LIEU OF 8TH JULY	MO 8		TH 8		SA 8	
IO 9	CLASSES BEGIN	TH 9	DEFAULTER ALERT- I	SU 9		TU 9	DEFAULTERS LIST	FR 9		SU 9	
U 10		FR 10		MO 10		WE 10		SA 10		MO 10	
VE 11		SA 11	FACULTY SEMINAR SERIES	TU 11		TH 11		SU 11		TU 11	
H 12		SU 12		WE 12		FR 12		MO 12	THEORY EXAM STARTS	WE 12	
RI 13		MO 13	INTERNAL ASSESSMENT TEST I	TH 13		SA 13		TU 13		TH 13	
A 14		TU 14		FR 14		SU 14		WE 14		FR 14	
U 15		WE 15	INDEPENDENCE DAY	SA 15	GANAPATI FESTIVAL MID TERM BREAK	MO 15	INTENSIVE STUDY.	TH 15		SA 15	THEORY EXAM ENDS
IO 16		TH 16	INTERNAL ASSESSMENT TEST I	SU 16		TU 16	PRELIMS, MAKE-UP CLASSES	FR 16		SU 16	
U 17		FR 17	PARSI NEW YEAR	MO 17		WE 17	SUBMISSIONS	SA 17		MO 17	
VE 18		SA 18	CO FOR 11 AUGUST	TU 18	INTERNAL ASSESSMENT TEST II	TH 18	DASHAHARA	SU 18		TU 18	
H 19		SU 19		WE 19		FR 19	SUBMISSIONS	MO 19		WE 19	
R 20		MO 20		TH 20	MOHORAM TAJIYA	SA 20	CLASSES END FACULTY SEMINAR SERIES	TU 20	EID-E-MILAD	TH 20	
A 21	FACULTY MEETING FACULTY SEMINAR SERIES	TU 21		FR 21	INTERNAL ASSESSMENT TEST II	SU 21		WE 21		FR 21	
U 22		WE 22	BAKRI EID	SA 22		MO 22	VIVA/PRACT BEGIN	TH 22		SA 22	
IO 23		TH 23		SU 23		TU 23		FR 23	GURU NANAK JAYANTI	SU 23	
U 24		FR 24		MO 24		WE 24		SA 24		MO 24	
VE 25		SA 25		TU 25		TH 25		SU 25		TU 25	CHRISTMAS
H 26		SU 26		WE 26		FR 26		MO 26		WE 26	
RI 27		MO 27		TH 27		SA 27		TU 27		TH 27	
A 28		TU 28		FR 28		SU 28		WE 28		FR 28	
U 29		WE 29		SA 29	FACULTY SEMINAR SERIES	MO 29		TH 29		SA 29	
IO 30		TH 30		SU 30		TU 30		FR 30		SU 30	
U 31		FR 31				WE 31				MO 31	

INDICATES TENTATIVE SCHEDULE, COULD UNDERGO CHANGES AS PER EXIGENCIES

PILLAI COLLEGE OF ENGINEERING, NEW PANVEL
TENTATIVE TERM CALENDAR JAN-JUNE 2019(FOR FE, SE, TE & BE)

JAN		FEB		MARCH		APR		MAY		JUNE	
J 1		FR 1	18	FR 1	31	MO 1	48	WE 1	MAHARASHTRA DAY	SA 1	
E 2	STAFF RETURN	SA 2	19	SA 2		TU 2	49	TH 2	VIVA/PRACT END	SU 2	
F 3		SU 3		SU 3		WE 3	50	FR 3		MO 3	
F 4	FACULTY MEETING	MO 4	20	MO 4	MAHASHIVRATRI	TH 4	51	SA 4		TU 4	
L 5		TU 5		TU 5	32	FR 5	52	SU 5		WE 5	RAMZAN EID
J 6		WE 6		WE 6	33	SA 6		MO 6	GLDHI PADWA	TH 6	
D 7	CLASSES BEGIN	TH 7		TH 7	34	SU 7		TU 7	THEORY EXAM STARTS	FR 7	
J 8	CTFC 2019	FR 8	ALEGRIA 2019 THE FESTIVAL OF JOY	FR 8	DEFAULTER ALERT-II	MO 8	FINAL DEFAULTERS LIST	WE 8		SA 8	
E 9	NON INSTRUCTIONAL	SA 9		SA 9	IN LIEU OF 30/3/2019 PTM I	TU 9	54	TH 9		SU 9	
F 10	2	SU 10		SU 10		WE 10		FR 10		MO 10	
R 11	MAKERS DAY	MO 11	21	MO 11	36	TH 11		TH 11	INTENSIVE STUDY, MAKE-UP CLASSES	TU 11	
L 12	ALUMNI MEET 2019	TU 12	22	TU 12	37	FR 12		SU 12		WE 12	
J 13		WE 13	23	WE 13	38	SA 13		MO 13	SHRI RAM NAVAMI	TH 13	
D 14	4	TH 14	24	TH 14	39	SU 14		TU 14	AMBEDKAR JAYANTI	FR 14	
J 15	5	FRI 15	25	FRI 15	40	MO 15		WE 15		SA 15	
E 16	6	SA 16	DEFAULTER ALERT-I FACULTY SEMINAR SERIES	SA 16	FACULTY SEMINAR SERIES	TU 16		TH 16	INTENSIVE STUDY, MAKE-UP CLASSES	SU 16	
F 17	7	SU 17		SU 17		WE 17		FR 17	MAHAVIR JAYANTI	MO 17	
F 18	8	MO 18	INTERNAL ASSESSMENT TEST I	MO 18	41	TH 18		SA 18	SUBMISSIONS	TU 18	BUDDH POURNIMA
L 19	FACULTY SEMINAR SERIES	TU 19	SHIVAJI MAHARAJ JAYANTI	TU 19	42	FR 19		SU 19	GOOD FRIDAY	WE 19	
J 20		WE 20	INTERNAL ASSESSMENT TEST I	WE 20	43	SA 20		MO 20	SUBMISSIONS, FACULTY SEMINAR SERIES, CLASSES END	TH 20	
D 21	9	TH 21		TH 21	DHULIVANDAN	SU 21		TU 21		FR 21	
J 22	10	FR 22	26	FR 22	44	MO 22		WE 22	VIVA/PRACT BEGIN	SA 22	
E 23	11	SA 23		SA 23		TU 23		TH 23		SU 23	
F 24	12	SU 24		SU 24		WE 24		FR 24		MO 24	
F 25	13	MO 25	27	MO 25	45	TH 25		SA 25		TU 25	
L 26	REPUBLIC DAY	TU 26	28	TU 26	46	FR 26		SU 26		WE 26	
J 27		WE 27	29	WE 27	47	SA 27		MO 27		TH 27	
D 28	14	TH 28	30	TH 28		SU 28		TU 28		FR 28	
J 29	15	FR 29		FR 29		MO 29		WE 29		SA 29	
E 30	16	SA 30		SA 30		TU 30		TH 30		SU 30	
F 31	17	SU 31		SU 31		FR 31		FR 31			

INDICATES TENTATIVE SCHEDULE, COULD UNDERGO CHANGES AS PER EXIGENCIES (54 INSTRUCTIONAL DAYS, 7 NON INSTRUCTIONAL DAYS, 6 IA DAYS, 5 INTENSIVE STUDY CAMP DAYS, 5 WORKING SATURDAYS)

NOTES: 1. STAFF TO REJOIN FOR ODD SEMESTER ON 03 JULY, 2019

2. INSTRUCTION FOR ODD SEMESTER TO START FROM 08 JULY, 2019

23. Attainment of Programme outcomes, Programme specific outcomes and course outcomes:

The Course Outcomes (COs) represent the expected knowledge and skills student acquires at the end of a course. COs have been thoughtfully defined for all courses across the various programs being offered. Bloom's Taxonomy is also kept into consideration while defining the COs. Referring to the University prescribed syllabus, COs for theory as well as laboratory courses are normally defined by the concerned course teacher in consultation with senior teachers. In general, 4 to 6 COs listed out for every course across all departments.

The **introductory lecture** for all courses are meant for communicating the COs to the students. COs are revised, if need be, after seeking approval from the department level committee. The Course Assessment Report prepared for all courses offered also lists the course outcomes and their attainments. Internal Assessment test questions are prepared based on COs. Each question addresses a particular CO.

The **Program Outcomes (POs)** which are based on Graduate attributes are disseminated amongst all stakeholders and are prominently displayed on **Department notice boards, laboratories, classrooms, college brochure and also the institute website**. Since 2015, National Board of Accreditation has defined 12 POs thus maintaining a uniformity across all branches of Undergraduate Program in Engineering. Workshops, seminars and webinars have been conducted to educate the teachers about the outcome based education and its implementation.

Program Specific Outcomes(PSOs) and Program Educational Objectives(PEOs) have been defined and stated after much deliberations and involvement of stakeholders. This has been done for all undergraduate programs being offered at the institute. They are also disseminated amongst all stakeholders and are prominently displayed on **Department notice boards, laboratories, classrooms, college brochure and also the institute website along with the POs.**

At Computer Engg Dept , every faculty member understands the concept of Outcome based education and diligently tries to ensure that outcome attainments are met.

24. Result Analysis:

Program Code	Program Name	Level/Semester	Number of students appeared in the exam	Number of students passed in the exam
CE	Computer Engineering	BE	152	147
ME-CE	ME-Computer Engineering	ME	4	4

25. Total Grant received for research projects sponsored by the government and the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs:

S N	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided	Duration of the project	Name of the Funding Agency	Type (Government/non - Government)	Relevant Document link
1	GSS HR Solutions	Dr. Prashant Lokhande	Computer Engineering	2018-19	28320	2 years	GSS HR Solutions Pvt. Ltd.	Non Government	
2	Pothole detection and mapping Using deep learning	Prof. Varunakshi Bhojane	Computer Engineering	2018-19	40000	1 Year	Mumbai university	Government	
3	Regression based	Prof. Sushopt	Computer engineering	2018-19	25000	1 year	Mumbai	Government	

	Crop yield estimation model	i Gawade	ng				universi ty		
4	IOT based system for women and children's safety	Prof. Rupali Nikhare	Computer Engineering	2018-19	25000	1 Year	Mumba i universi ty	Governm ent	

26. Details of the teachers recognized as research guides:

SN	Name of teachers recognized as research guides	PG / PhD Recognition	Department	Year of Recognition	
1	Dr. Madhumita C.	PhD	Comp	2015-16	
2	Dr. Sharvari G.	PhD	Comp	2017-18	
3	Dr. Satishkumar Varma	PhD	Comp	2016-17	

27. Details of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry- Academia Innovative practices:

SN	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry-Academia Innovative practices)
1	2018-19	Seminar on PATENT: "How to Search, Draft & File Patent" Speaker: Dr. P.S.Lokhande	19.01.2019 to 19.01.2019	IPR
2	2018-19	Seminar on "Importance of IPR in Modern Global Economic Environment" Speaker:Dr. P.S.Lokhande	02 .02.2019 to 02.02.2019	IPR
3	2018-19	Seminar on "Indian Scenario of IPR" Speaker:Dr. P.S.Lokhande	16.02.2019 to 16.02.2019	IPR
4	2018-19	Seminar on "Rentmall" Speaker:Omkar Kurkute	09.03.2019 to 09.03.2019	Industry-Academia
5	2018-19	Talk on "APLI AI",Speaker:	10.03.2019 to	Industry-Academia

		SHIVAM TIWARI	10.03.2019	
6	2018-19	Seminar on STUDENTS ALLIANCE iLEARNPEDIA	10.03.2019 to 10.03.2019	Industry-Academia
7	2018-19	Talk on eadvantage by Mr. Nayan Cheda	09.03.2019 to 09.03.2019	Industry-Academia
8	2018-19	Seminar on 10 Steps to Online Business by Ashish Jhalani (Etailing India)	09.03.2019 to 09.03.2019	Industry-Academia
9	2018-19	Talk on ekeeda the journey	09.03.2019 to 09.03.2019	Industry-Academia
10	2018-19	Seminar on Swaper	10.03.2019 to 10.03.2019	Industry-Academia
11	2018-19	Talk on Entrepreneurship at Campus	09.03.2019 to 09.03.2019	Industry-Academia
12	2018-19	Seminar on Mr.Nitin Podar (Lawyer of J Sagar Associates) "5 Legal steps to Start-up"	09.03.2019 to 09.03.2019	Industry-Academia
13	2018-19	Talk on Role Of Patents In Startup	09.03.2019 to 09.03.2019	Industry-Academia
14	2018-19	Seminar on Idea Validation: Often Missed Steps	09.03.2019 to 09.03.2019	Industry-Academia
15	2018-19	Seminar on Myedmate Technologies Llp	10.03.2019 to 10.03.2019	Industry-Academia
16	2018-19	Talk on Hiring Redefined!! Welcome To The Revolution	10.03.2019 to 10.03.2019	Industry-Academia
17	2018-19	Seminar on Marketing 2-0	10.03.2019 to 10.03.2019	Industry-Academia
18	2018-19	Talk on RUNBURN – FITNESS EVENTS AND COACHING	10.03.2019 to 10.03.2019	Industry-Academia
19	2018-19	Seminar on "Software Engineering Industry perspectives" Speaker:Mr. Swapnil Narendra Kadam Software Developer at Tata Consultancy Services	05.04.2019 to 05.04.2019	Industry-Academia
20	2018-19	Workshop on College to Corporate program on "Effective use of IT for professional activities" by IIT Bombay	19.02.2019 to 15.04.2019	Industry-Academia
21	2018-19	Workshop on College to Corporate program on "Soft Skills" by IIT	19.02.2019 to 15.04.2019	Industry-Academia

		Bombay		
22	2018-19	Workshop on College to Corporate program on "Workplace Communication" by IIT Bombay	19.02.2019 to 15.04.2019	Industry-Academia
23	2018-19	Workshop on Foundation program in ICT for Education(FDP101X),by IIT Bombay	13.09.2018to 18.10.2018.	Industry-Academia
24	2018-19	Workshop on "Foundation program in ICT for Education(FDP201X)",by IIT Bombay	25.10.2018 to 06.12. 2018	Industry-Academia
25	2018-19	Workshop on "Handling emergencies and first aid techniques"	23.03.2019 to 23.03.2019	Industry-Academia
26	2018-19	Workshop on KOHA for librarians and System Administrators	12.10.2018 to 12.10.2018	Industry-Academia
27	2018-19	Workshop on KOHA for librarians and System Administrators	09.03.2019 to 09.03.2019	Industry-Academia
28	2018-19	Workshop on "Moodle for faculties" through RC1100 , conducted by IITB	15.03.2019 to 15.03.2019	Industry-Academia
29	2018-19	Workshop on Scilab for Teachers through RC1100 , conducted by IITB	04.05. 2019 to 04.05.2019	Industry-Academia
30	2018-19	Workshop on Latex Organized by CSI,PCE. Speaker: Dr.Madhumita chatterjee and Dr.Satish Kumar Varma	04.08.2018 to 04.08.2018	Industry-Academia
31	2018-19	IoT Hands on WORKSHOP on "Internet of Things and its Applications"	15.03.2019 to 16.03. 2019	Industry-Academia

28. Details of incentives to teachers who receive state, national and international recognition/ awards:

Sr. No.	Name of the Awardee with contact details	Name of the Award	Name of the Awarding Agency
1	Dr. Dipti Patil	PhD Incentives 2018-19	PCE, New Panvel
2	Dr. Prashant Nitnavare	PhD Incentives 2018-19	PCE, New Panvel
3	Ms. Sushopti G.	Final Level - PG	Mumbai University

		Avishkar 2018-19	
4	Ms. Sushopti G.	First Level - PG Avishkar 2018-19	Mumbai University

29. Details of research papers published by teachers in the Journals notified on UGC website:

S N	Title of paper	Name of the author/s	Depart ment of the teacher	Name of journal	Year of publicati on	ISBN/ISSN number	Link of the recognit ion in UGC enlistme nt of the Journal
1	Abstractive Text Summarization using Rich Semantic Graph for Marathi Sentence?	Sheetal Shimpikar, Sharvari Govilkar	Computer Engineering	International Journal of Engineering and Technology (UAE). Special Issue on Artificial Intelligence, Big Data, and Machine Learning 7(4):4429-4434	2018-19	0975 – 8887	
2	Aspect based opinion mining for code mix text	Pranita Mahjan and Sharvari Govilkar	Computer Engineering	Journal of Applied Science and Computations, JASC-UGC APPROVED JOURNAL: volume VI, Issue I, Jan 2019.	2018-19	ISSN NO: 1076-5131	
3	INTELLIGENT PERSONAL ASSISTANT	Manu M, Abhishek Nair, Akshay Walunj, Surajiyer, Sharvari Govilkar,	Computer Engineering	International Journal of Computer Science, Information Technology, & Security (IJCSITS) Vol 8, No.4 July-Aug 2018	2018-19	1947-5500	
4	A Role and Potential	Sushopti Gawade, Dr. Varsha	Computer Engineering	International Journal of Computer	2018-19	ISSN NO 0975 – 8887	

	of E-Krishi Mitra Tool in Usability Improvement of Agricultural Domain	Turkar	ering	Applications, Foundation of Computer Science, New York, USA.			
5	A Survey on Author Profiling Techniques	Vivitha Vijayan, Sharvari Govilkar	Computer Engineering	International Journal of Computer Sciences and Engineering Vol.-7, Issue-3, pp.1065-1069, Mar-2019	2018-19	E-ISSN: 2347-2693	
6	Mobile Tool for analysis of Events, stocks and Management System	Prof. Deepti Lawand, Rahul Nair, Justin James, Rishab koul, Mehmood Deshmukh	Computer Engineering	International Journal of Innovative Research in Computer and Communication Engineering, Vol. 7, Issue 3, March 2019	2018-19	ISSN(Online): 2320-9801 ISSN (Print) : 2320-9798	
7	Cloud Based Deduplication Using Middleware Approach	Sujit Tilak, Shrey Jakhmola, Arvind Hariharan Nair, Bhabya Mishra , Isha Dwivedi	Information Technology	International Research Journal of Engineering and Technology (IRJET)(IRJET)	2018-19	2395-0056	
8	Robust Tissue Classification for Foot Ulcers Wound	Jinesh Melvin. Y.I, Krishnendu, Ginchil Krus	Computer Engineering	"HBRP Publication Advancement in Image Processing and Pattern Recognition Volume 2 Issue 1"	2018-19		

Assessment Using Image Analysis System							
<i>Copyright : METHODOLOGY AND DESIGN of www.ekrishimitra.org</i>	<i>Sushopti Gawade</i>	Computer Engineering	<i>Government of India</i>	<i>2018-19</i>	<i>Diary Number: 4644/2019-CO/L and ROC number : L-83362/2019</i>		

30. Details of books and chapters in edited volumes/books published and papers in national/ international conference:

Sl. No.	Name of Teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN /ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher	Relevant link
1	Dr. Sharvari Govilkar	NA	NAME D ENTITY RECOGNITION IN MARATHI LANGUAGE	Accepted for publication in Springer International , .	Conference on Intelligent Data Communication Technologies and	International Conference	2018-19	ISBN 978-3-0314-5-9	PCE, New Panvel	Springer	

					Internet of Things (ICICI)						
2	Dr. Sharvari Govilkar	NA	Paraphrase identification for Marathi sentences “	IEEE Technically Co-Sponsored	3rd Biennial International Conference on nascent Technologies in Engineering	International Conference	2018-19	NA	PCE, New Panel	Fr. C. Rodrigues Institute of Technology	
3	Sushopti Gawade	NA	" ICT based regression model for village yield estimation"	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19	-	PCE, New Panel	SSR N-ELS EVEIR	
4	Sushopti Gawade	NA	" Agroinsurance : A tool for schemes "	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19	-	PCE, New Panel	SSR N-ELS EVEIR	
5	Sushopti Gawade	NA	" Usability evaluation with Crop disease management as a service	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19	-	PCE, New Panel	SSR N-ELS EVEIR	

			for " CropCar e								
6	Payel thakur	NA	IOT BASED PORTA BLE SMART LOCK	BV - SSRN ELSEVE IR	CTFC 2019, PCE PANV EL	Intern atinal	201 8-1 9	-	PCE, New Panvel	SSR N- ELS EVE IR	
7	Madhu mita Chatter jee	NA	DETEC TION OF FAKE AND CLONE D PROFIL ES IN ONLIN E SOCIAL NETWO RKS	BV - SSRN ELSEVE IR	CTFC 2019, PCE PANV EL	Intern atinal	201 8-1 9	-	PCE, New Panvel	SSR N- ELS EVE IR	
8	Dr. Madhu mita Chatter jee	NA	A Novel hybrid approac h for detectio n of DDOS attack	Internati onal Conferen ce on Intellige nt Data Commun ication Technol ogies and Internet of Things (ICICI) 2018, pp.251-2 55	Internat ional Confer ence on Intellig ent Data Comm unicati on Techno logies and Internet of Things (ICICI) 2018, pp.251- 255	Intern ationa l	201 8-1 9	978-3 -030- 0314 6-6		Spring er Natu re Swit zerla nd	

9	Dr. Madhura Chatterjee	NA	A Novel Approach for Classification and Detection of DOS Attack",	IEEE International Conference on Smart Cities and Emerging Technologies, Mumbai India Jan 2018.	IEEE International Conference on Smart Cities and Emerging Technologies, Mumbai India Jan 2018.	International	2018-19	-	PCE, New Panel	IEEE	
10	Dr. Madhura Chatterjee	NA	Game Theory Based Network Selection in 4G	11th International Conf on Cloud Computing Computer Science and Advances in Information Technology- ICCCCI T- 2015, Nagpur	11th International Conf on Cloud Computing Computer Science and Advances in Information Technology- ICCCCI IT- 2015, Nagpur	International	2018-19	978-93-85225-49-9	PCE, New Panel	IEEE conference	
11	Dr. Sharvari Govilkar	NA	SHRUTI SRIVASTAVA, SHARVARI GOVIL	Springer International Conference on Intelligence	-	International Conference	2018-19	-	PCE, New Panel	-	

			KAR "PARA PHRAS E IDENTI FICATI ON OF MARAT HI SENTE NCES" Accepte d for publicati on in	nt Data Commun ication Technol ogies and Internet of Things (ICICI), .						
12	Sagar kulkarn i	NA	Assist Crime Preventi on Using Machine Learning	CONF RENCE ON TECHN OLOGIE S FOR FUTUR E CITIES (CTFC) 2019	CONF REN CE ON TECH NOLO GIES FOR FUTU RE CITIES (CTFC) 2019	Intern atinal	201 9	ISBN 978-9 3-826 26-27 -5	PCE, New Panvel	

31. Details of the extension activities undertaken by the department in sensitizing students to social issues and holistic development:

PCE strives to impart, imbibe and inculcate human values and humanely approach among the students, faculty and staff members. In view of this various community development programs are organised from time to time. To list a few:

- Community Service Day: On a particular day elderly from old age homes, Underprivileged children, children from orphanages and Divyanjan are invited at PCE campus and staff members, students serve food to them. Cultural activities are organised for their entertainment and gifts are offered to them to make them happy.
- A cultural night, Uber Rang is organised annually, the proceeds of which are given to different NGOs for their development and well being.
- Swachh Bharat Mission Internship of 100 hrs is offered to students. Under the internship all the participants are sent to nearby identified village and spread the awareness about cleanliness, health and hygiene among the villagers.
- PCE,s Nature Club organizes cleanliness drives, tree plantation drives, nukkad natak on cleanliness and health awareness, environment awareness rallies

- Social Activity Group organises Blood Donation, Health Checkup Camps etc
- K12 Program is an initiative by ISHRAE in which students visit nearby ZP schools to demonstrate basic science experiment to develop interest towards science and its applications among school children.
- Various student bodies like ETSA, CSI, AESA, MESA, ISHRAE are arranging social issues related programs/workshops like Road Safety, Disaster Management, Relief fund collection for natural calamities, Helmet awareness etc. A campaign to help Kerala flood victims was organised last year under which a lot of essential items and money was collected and handed over to the affected people.
- 10K Marathon was organised to promote literacy and eradicate illiteracy.
- The management of the institute is proactive in helping tribals. Homes were rebuilt for a few tribal communities in Kerala after recent floods. Health and hygiene of tribal girls ashram schools was addressed by building toilets for them.
- SAFAR is a project jointly done with Department of Meteorology, Government of India. PCE maintains an automated weather station under this scheme for the government that monitors the local environmental conditions and transmits the data to the government.

32. Total number of awards and recognition received for extension activities from Government/ recognized bodies:

SN	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ recognised bodies	Year of award	Name of the Faculty
1	Resource person for Expert talk on "Pragmatics in NLP " at KJSCOE , Vidyavihar Mumbai. on 22nd April 2019	Expert	KJSCOE Vidyavihar	2018-19	Dr. Sharvari Govilkar
2	Subject expert to conduct Ph. D computer Engg interview at PHCET on 30th March 2019	Expert	PHCET, Rasayani	2018-19	Dr. Sharvari Govilkar
3	Reviewer for 2 nd International Conference on Advances in Science and Technology (ICAST-2019) In Association With The Institution of Engineering and Technology (The IET, India) and University of Mumbai	Reviewer	University of Mumbai	2018-19	Dr. Sharvari Govilkar
4	Resource person for Expert talk on " Best practices of Institute " at Pillai college of Education , Chembur on 14th Feb 2019	Expert	Pillai College of Education Chembur	2018-19	Dr. Sharvari Govilkar
5	Subject expert to conduct orientation program on " Mini	Expert	VESIT Chembur	2018-19	Dr. Sharvari Govilkar

	Project " for SEM VI Computer Engg at VESIT Chembur Mumbai on 8th Feb 2019				
6	Reviewer for First International Conference on Smart Internet of Everything (Smart IoE) organized by MIT School of Engineering of MIT ADT University, Pune on 14th and 15th of Jan 2019	Reviewer	MIT Pune	2018-19	Dr. Sharvari Govilkar
7	Subject expert to conduct orientation program on System programming & Compiler construction and System software Lab SEM VI COMP Engg at RAIT Nerul on 9th Jan 2019	Expert	RAIT Nerul	2018-19	Dr. Sharvari Govilkar
8	Subject expert to conduct orientation program on Software Engineering and Project Management of SEM VI (IT) at RAIT Nerul on 9th Jan 2019	Expert	RAIT Nerul	2018-19	Sushopti Gawade
9	Subject expert to conduct orientation program on Software Architecture of SEM VI (IT) at RAIT Nerul on 9th Jan 2019	Expert	RAIT Nerul	2018-19	Sushopti Gawade
10	Subject expert to conduct orientation program on SDL Lab of SEM VI (IT) at RAIT Nerul on 9th Jan 2019	Expert	RAIT Nerul	2018-19	Sushopti Gawade
11	Project Competition April 2019 (GR5)	Appreciation as Mentor/Guide (Third Prize Rs. 5000)	PCE Panvel	2018-19	Manjusha D.
12	Project Competition April 2019 (GR2)	Appreciation as Mentor/Guide	PCE Panvel	2018-19	Rakhi Mulay
13	Project Competition April 2019 (GR11)	Appreciation as Mentor/Guide	PCE Panvel	2018-19	Dr. Sharvari Govilkar

		e			
14	NPTEL Online Certification Course "Information Security - 5 - Secure Systems Engineering"	NPTEL Online Certification	IIT, Madras	2018-19	Smita Swapnil Kadam
15	Communication and Publicity Committee member of conference	Communication and Publicity Committee of CTFC 2019	PCE Panvel	2018-19	Sushopti Gawade
16	Agriculture Grand Challenge 2018, Organized by Startup India ,initiative by Government of India	Solution for AGC 6, selected for discussion with government officials at Pune. (Round 1)	Organized by Startup India, initiative by Government of India	2018-19	Sushopti Gawade
17	Agriculture Grand Challenge 2018, Organized by Startup India ,initiative by Government of India	Solution for AGC 5, selected for final round among top 50 through out India,	Organized by Startup India, initiative by Government of India	2018-19	Sushopti Gawade
18	Project Competition April 2019 (GR 3)	Appreciation as Mentor/Guide	PCE Panvel	2018-19	Sushopti Gawade
19	Project Competition April 2019 (GR 5)	Appreciation as Mentor/Guide	PCE Panvel	2018-19	Payel T
20	Avishkar District / Zonal Level competition - Final Round	Certificate of Merit at district level as Guide	Avishkar Research Convention : 2018-19, University of Mumbai	2018-19	Sushopti Gawade
21	Avishkar District / Zonal Level competition - First Round	Certificate of Merit at	Avishkar Research	2018-19	Sushopti Gawade

		district level as Guide	Convention : 2018-19, University of Mumbai		
22	Project Competition April 2019 (GR 7)	Appreciation as Mentor/Guide	PCE Panvel	2018-19	Varunakshi B
23	Project Competition April 2019 (GR 8)	Appreciation as Mentor/Guide	PCE Panvel	2018-19	Payel T
24	Project Competition April 2019 (GR 9)	Appreciation as Mentor/Guide	PCE Panvel	2018-19	Sushopti Gawade
25	Project Competition April 2019 (GR4)	Appreciation as Mentor/Guide (First Prize Rs. 10000)	PCE Panvel	2018-19	Dr. Sharvari Govilkar
26	Project Competition April 2019 (GR1)	Appreciation as Mentor/Guide (Second Prize Rs. 7000)	PCE Panvel	2018-19	Dr. Sharvari Govilkar
27	Editing Committee member of CTFC 2019 ABSTRACT BOOK	Team member of Editing committee of ABSTRACT BOOK , CTFC 2019	PCE Panvel	2018-19	Sushopti Gawade
28	NPTEL Online Certification Course	Elite Grade in NPTEL Online Certification	IIT, Roorkee	2018-19	Sushopti Gawade
29	NPTEL Online Certification Course on "Visual communication and Design "	Elite Grade in NPTEL Online Certification	IIT, Roorkee	2018-19	Sushopti Gawade

30	NPTEL online course on information and security 5	Successful completion	IIT, Madras	2018-19	Smita Kadam
31	CTFC 2019	Conference Reviewer	PCE Panvel	2018-19	Sushopti Gawade
32	Reviewer for Journal papers	Journal Reviewer	World Journal of Economics and Finance	2018-19	Sushopti Gawade
33	CTFC 2019	Session Chair	PCE Panvel	2018-19	Sushopti Gawade
34	MahaTPO E-Summit	Organizing Committee Member	MahaTPO, e-Keeda and PCE New Panvel	2018-19	Sushopti Gawade
35	MahaTPO E-Summit	Organizing Committee Member	MahaTPO, e-Keeda and PCE New Panvel	2018-19	Gaurav Sharma
36	Remote Center Coordinator	Remote Center Coordinator for RC1100	IIT, Bombay	2018-19	Sushopti Gawade

33. Details of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:

SN	Name of the activity	Organising unit/ agency/ collaborating agency	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
1	Marathon	Mahatma Education Society	2018-19	12	431
2	Women's Day celebration	ETSA Student Council	2018-19	30	40
3	K12 at Nagarpalika School, Takka	ISHARE	2018-19	2	10
4	Anubhav	PCE, New Panvel	2018-19	25	900
5	Handling emergencies and First aid Techniques	PCE, New Panvel	2018-19	5	90
6	K12 at Z P School , Vichumbe	ISHARE	2018-19	2	15
7	K12 at Bhatia Vidyamandir	ISHARE	2018-19	2	12
8	K12 Nagarpalika school , Podi	ISHARE	2018-19	2	10
9	Blood Donation Camp	Social Club	2018-19	5	
10	Uberang	Mahatma Education Society	2018-19	129	32
11	Community Service Day	Mahatma Education Society	2018-19	39	156
12	International Women's Day	Mahatma Education Society	2018-19		120
13	Building Resilience - A key to Women	Mahatma Education Society	2018-19		143

	Empowerment				
14	Hackathon (Odd sem)	Mahatma Education Society	2018-19		36
15	Hackathon	Mahatma Education Society	2018-19		18
16	Deep Blue	Mahatma Education Society	2018-19		36
17	Jumble Sale	Mahatma Education Society	2018-19		600
18	Anti Narcotics Campaign	Mahatma Education Society	2018-19		150
19	Garage Sale	Mahatma Education Society	2018-19		250
20	National Calamity Fund (Kerala)	Mahatma Education Society	2018-19		175
21	Maharashtra day	Mahatma Education Society	2018-19		25
22	Marathi Bhasha Diwas	Mahatma Education Society	2018-19		51
23	Shivaji Jayanti	Mahatma Education Society	2018-19		550
24	Republic Day	Mahatma Education Society	2018-19		120
25	Teacher's Day	Mahatma Education Society	2018-19		550
26	Panvel Gadhi river clean up drive	Mahatma Education Society	2018-19		10
27	Basic workshop on positive thinking	Mahatma Education Society	2018-19		15
28	Yoga Workshop	Mahatma Education Society	2018-19		10
29	Slum children' educational tour	Mahatma Education Society	2018-19		10
30	Blood	Mahatma Education	2018-19	5	140

	Donation camp	Society			
31	Yoga Workshop	Mahatma Education Society	2018-19		30

34. Total number of Students participating in extension activities with Government Organization, Non-Government Organizations and Programmes such as Swachh Bharat, AIDs awareness, Gender issue etc.

SN	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
1	Environmental Awareness Rally	PCE, New panel	Social Activity	2018-19	59
2	Marathon to Kill ill of illiteracy	MES Pillai	Social Activity	2018-19	67
3	National Technology Day	PCE, New panel	Technology day	2018-19	34
4	Women's Day celebration	ETSA Student Council	Women Day	2018-19	37
5	K12 atNagarpalika School, Takka	ISHARE	Swachh Bharat Abhiyan & Surveying Camp	2018-19	17
6	Anubhav	PCE, New Panel	Student welfare	2018-19	1200
7	Handling emergencies and First aid Techniques	PCE, New Panel	Social awareness	2018-19	24
8	K12 at Z P School , Vichumbe	ISHARE	Social Activity	2018-19	24
9	K12 at Bhatia Vidyamandir	ISHARE	Social Activity	2018-19	30
10	K12 Nagarpalika school , Podi	ISHARE	Social Activity	2018-19	24
11	Blood Donation camp	Mahatma Education Society	Blood Donation	2018-19	19
12	Uberang	Mahatma Education Society	Social Cultural Activity	2018-19	32
13	Community Service Day	Mahatma Education Society	Social Cultural Activity	2018-19	47
14	International Women's Day	Mahatma Education Society	Women Day	2018-19	29

15	Building Resilience - A key to Women Empowerment	Mahatma Education Society	Women Safety Training Programme	2018-19	36
16	Hackathon (Odd sem)	Mahatma Education Society	Student welfare	2018-19	17
17	Hackathon	Mahatma Education Society	Student welfare	2018-19	36
18	Deep Blue	Mahatma Education Society	Student welfare	2018-19	36
19	Jumble Sale	Mahatma Education Society	Social Activity	2018-19	53
20	Anti Narcotics Campaign	Mahatma Education Society	Anti Narcotics Campaign	2018-19	65
21	Garage Sale	Mahatma Education Society	Social Activity	2018-19	52
22	National Calamity Fund (Kerala)	Mahatma Education Society	Social Activity	2018-19	50
23	Maharashtra day	Mahatma Education Society	Cultural Activity	2018-19	25
24	Marathi Bhasha Diwas	Mahatma Education Society	Cultural Activity	2018-19	40
25	Shivaji Jayanti	Mahatma Education Society	Cultural Activity	2018-19	94
26	Republic Day	Mahatma Education Society	Cultural Activity	2018-19	74
27	Teacher's Day	Mahatma Education Society	Teacher's Day	2018-19	41
28	Panvel Gadhi river clean up drive	Mahatma Education Society	River Protection	2018-19	10
29	Basic workshop on positive thinking	Mahatma Education Society	Social Activity	2018-19	15
30	Slum children' educational tour	Mahatma Education Society	Social Activity	2018-19	10
31	Tree Plantation	ETSA,PCE, New Panvel	Tree Plantation	2017-18	66
32	Swachh Bharat	PCE, New Panvel	Swachh Bharat Summer Internship	2017-18	27
33	Water Day	PCE, New panvel and Indian Desalination Association (InDA)	Indian Desalination Association	2017-18	51
34	National Technology Day	PCE New Panvel and National Academy of	National Technology Day	2017-18	59

		Science, India (NASI)			
35	Street Play	PCE, New Panvel	Street Play	2017-18	43
36	Yuva Maha Samvaad (PLEDGES PARTICIPANTS)	PCE, New Panvel and ACT	Transform Maharashtra with CM	2017-18	67
37	Yuva Maha Samvaad (VIDEO SUGGESTION PARTICIPANTS)	PCE, New Panvel and ACT	Transform Maharashtra with CM	2017-18	19
38	World water day	PCE, New panvel	World water day	2017-18	71
39	Swachh Bharat	PCE, New panvel	Swachh Bharat Summer Internship	2017-18	85
40	Social Service Day	ETSA Student Council	Social Activity	2017-18	75
41	Women's Day celebration	ETSA Student Council	Women Day	2017-18	92
42	K12 at Sawale Raigad	ISHARE	Social Activity	2017-18	53
43	Uberang	Mahatma Education Society	Social Cultural Activity	2017-18	49
44	Green Army	Director Technical Education, Regional Office, Mumbai	Environment awareness	2017-18	33
45	Community Service Day	Mahatma Education Society	Social Cultural Activity	2017-18	92
46	Blood Donation Camp	Social Club	Blood Donation	2017-18	51
47	Deep Blue	Mahatma Education Society	Student welfare	2017-18	23
48	Hackathon	Mahatma Education Society	Student welfare	2017-18	18
49	Women's Day Celebration	Mahatma Education Society	Women Day	2017-18	81
50	Community Service day	Mahatma Education Society	Social Cultural Activity	2017-18	95
51	Uber Rang	Mahatma Education Society	Social Cultural Activity	2017-18	101
52	Green Army	Mahatma Education Society	Environment awareness	2017-18	91
53	Jumble Sale	Mahatma Education Society	Social activity	2017-18	57
54	Shivaji Jayanti	Mahatma Education Society	Cultural Activity	2017-18	123
55	Engineer's Day	Mahatma Education Society	Engineer's Day	2017-18	192
56	Teacher's Day	Mahatma Education	Teacher's Day	2017-18	35

		Society			
57	Independence day	Mahatma Education Society	Cultural Activity	2017-18	58
58	Summer Camp for Orphanage	Mahatma Education Society	Social activity	2017-18	45
59	Yavatmal Tribal girls empowerment	Mahatma Education Society	Women Empowerment	2017-18	51
60	Transform Maharashtra	PCE, New Panvel and ACT	Transform Maharashtra (ACT) with CM	2016-17	163
61	Community Service Day	Mahatma Education Society	Social Cultural Activity	2016-17	287
62	Women's Day Celebration	Mahatma Education Society	Women Day	2016-17	94
63	Uber Rang	Mahatma Education Society	Social Cultural Activity	2016-17	276
64	Jumble Sale	Mahatma Education Society	Social activity	2016-17	152
65	Plastic collection for recycling	Mahatma Education Society	Environment awareness	2016-17	94
66	Shivaji Jayanti	Mahatma Education Society	Cultural Activity	2016-17	91
67	Republic Day	Mahatma Education Society	Cultural Activity	2016-17	169
68	Teacher's Day	Mahatma Education Society	Teacher's Day	2016-17	225
69	Independence day	Mahatma Education Society	Cultural Activity	2016-17	179
70	Masterclasses on Meditation	Mahatma Education Society	Meditation	2016-17	127
71	K12 at Raigad Jilha Parishad Primary School, Murbi	ISHARE	Social activity	2015-16	12
72	Community Service Day	Mahatma Education Society	Social Cultural Activity	2015-16	143
73	Uberang	Mahatma Education Society	Social Cultural Activity	2015-16	56
74	Community Service day	Mahatma Education Society	Social Cultural Activity	2015-16	165
75	Uber Rang	Mahatma Education Society	Social Cultural Activity	2015-16	170
76	Jumble Sale	Mahatma Education	Social activity	2015-16	76

		Society			
77	Engineer's Day	Mahatma Education Society	Engineer's Day	2015-16	130
78	Independence day	Mahatma Education Society	Cultural Activity	2015-16	120
79	Radio City Wellness	Mahatma Education Society	Radio City Wellness	2015-16	12
80	Faculty Enrichment Programme(Heartfulness)	Mahatma Education Society	Heartfulness	2015-16	95
81	Community Service Day	Mahatma Education Society	Social Cultural Activity	2014-15	145
82	Uber Rang	Mahatma Education Society	Social Cultural Activity	2014-15	168
83	Independence day	Mahatma Education Society	Cultural Activity	2014-15	110
84	Why Meditate	Mahatma Education Society	Meditation	2014-15	130
85	Meditation to relieve Stress	Mahatma Education Society	Meditation	2014-15	170

35. Details of linkages for faculty exchange, student exchange, internship, field trip, on-the- job training, research etc:

Sl. No.	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage
1	Internship	Air India, Santacruz Kalina 022-26265555	2018-2019	17th Dec 2018 to 16th Jan 2019	Air India, Santacruz
2	ON-the-job training	Organised by IIT Bombay Attended at PCE New Panvel	2018-19	17th May 2018 to 27th June. 2018	FDP301x" Mentoring Educators in Educational Technology"
3	ON-the-job training	Organised by IIT Bombay Attended at PCE New Panvel	2018-19	17th May 2018 to 27th June. 2018	FDP301x" Mentoring Educators in Educational Technology"
4	ON-the-j	Organised by IIT	2018-19	17th May	FDP301x"

	Job training	Bombay Attended at PCE New Panvel		2018 to 27th June. 2018	Mentoring Educators in Educational Technology"	
5	ON-the-job training	Organised by IIT Bombay Attended at PCE New Panvel	2018-19	17th May 2018 to 27th June. 2018	FDP301x" Mentoring Educators in Educational Technology"	
6	ON-the-job training	DBIT, Kurla	2018-19	17-19 August and 25th August 2018	Four Day Workshop on AI using Deep Learning	
7	ON-the-job training	SAKEC	2018-19	2nd July 18 to 7th July 18	One Week STTP on "Web Technologies-New Trends"	
8	Internship	Institute of nuclear medicine and allied sciences, DRPO	2018-19	4 June to 3 Aug 2018	Institute of nuclear medicine and allied sciences, DRPO	
9	Internship	The D-Zone	2018-19	1 June to 31 July 2018	The D-Zone	
10	Internship	Kokan Corporation Ltd	2018-19	27 July to 23 Aug 2018	Kokan Corporation Ltd	
11	Internship	Board of Radiation and Isotope Technology(DAE)	2018-19	12 June to 7 July 2018	Board of Radiation and Isotope Technology(BRIT)	
12	Internship	BARC,Control instrumentation division ,Physical protection system section,Trombay 022-25594828	2018-19	6 June to 6 July 2018	BARC ,Mumbai	
13	Internship	Amarpushpa Education and welfare society www.amarpushpa.org	2018-19	27 Dec to 27 Feb 2019	Amarpushpa	
14	Internship	Hindustan Insecticides Ltd	2018-19	12 June to 12 July 2018	Hindustan Insecticides Ltd	
15	Industrial	CSI Industrial Visit	CSI	2018-19	28th to 2th March	

	visit		Industrial Visit		2019	
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36. Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc.:

Sl. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs	Proof
1	IEOT	ONGC, Govt.of India	2018-19	01 year	1.Internships for students 2. expert lectures 3.Industrial visit to IEOT 4.Library usage of IEOT	2 to 3 students	
2	Brainiac IP Solutions	Brainiac IP Solutions Pvt. Ltd.	2018-19	06 months	Drafting and Patent Filing, IPR	3 to 4 faculty, 4 to 5 students	
3	CISCO	Mahatma Education Society	2018-19	01 Year	IoT Connecting Things , Big Data & Analytics Instructor Training ,CCNA R & S Instructor Training	03 faculties, 50 students	
4	Biocrux	BIOCRUX INDIA PVT. LTD.	2018-19	03 years Extend able upto 5 years	Recognition for Institute for conducting R&D ,Packaging and waste management like Automation,functionality,IOT etc	16 to 20 students (workshop)	
5	ATS	Access	2018-19	05	1. Internships	internship for	

	voice and data	Telematic System, Mumbai		years	for students, 2 Development of projects, 3.Live projects at client locations,4. Training and workshops.	15 students	
6	IFS Academy	CAD/CAM Training Pvt.Company	2018-19	03 months	Authorised CAD/CAE training centre (Conducted courses on CATIA and CREO between August - October, 2018)	72 students and 3 faculties	
7	Indian Centre for plastics in the Environment	ICPE	2018-19	03 Years	Conducting R & D in the field of Plastic packaging and Information Exchange	Internship to 2-3 students of Third year	link
8	Rightsol PTE.LTD	Rightsol PTE.LTD.Reg No.2019077 26D,51 GOLDHILL PLAZA #07-10/11 Singapore(308900)	2018-19	01 Year	Training Sessions, conduct Hackathons, Workshops seminars for students and Faculty	Software to college(include s courses compilers and learning materials via Web Android and ios platform	

37. Details of departmental infrastructural & other facilities:

- a) Departmental Library (books, journals etc.): Yes
- b) Computers and Internet facilities for staff : 12 with Internet Facility : 250 Mbps
- c) Total number of class rooms : 06
- d) Class rooms with ICT facility : 06
- e) Students' laboratory : 09
- f) Research laboratories : 01
- g) Seminar Hall : 01
- h) Smart class room : 01
- i) Any other facility LCDs, : Portable Projectors 03

38. Student – Computer ratio:

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
447(UG)+12(PG)	262	2:1

39. Details of e-content developed by the faculty in the department:

Name of the e-content development facilities	Provide link to videos of the media centre and recording facility
Light board for visually dynamic video lectures	https://www.youtube.com/watch?v=LwoUxPYVZh4&feature=youtu.be
	https://www.youtube.com/watch?v=UGWoE-IN5cw&feature=youtu.be
Screencast (Narrated video recording of the computer screen)	https://www.youtube.com/watch?v=_cb5-uqFXnI&feature=youtu.be

40. Details of maintenance of laboratory and classrooms:

- Annual Maintenance Contract is signed for generators, UPS, Air Conditioners etc. Periodic testing for Fire Protection Systems.
- Laboratory Incharges along with their Lab Assistants ensure proper working of all the equipment at the beginning of each semester.
- All the class room in the Department are ICT enabled and exclusive personnel from the Hardware Department is Available to constantly monitor repair and keep up the usage of the systems.
- Additional Portable Projectors are also available in the department in case of failure of any classroom projector for smooth conduction.
- Computers are upgraded on the compatibility required for softwares and academic requirements.

41. Number of students benefited from scholarships and freeships provided by the Government:

Name of the scheme	Number of students benefited by government scheme (Scholarships)&(freeships)	Number of students benefited by government scheme(freeships)	State Minority Scholarship	Merit Cum-Means Scholarship
VJNT	05	Data not available		
OBC	35			
SBC	01			
SC	04			
EBC	53			

42. Total number of students benefited from scholarships, freeships, etc provided by the institution besides government schemes:

Name of the scheme with contact information	Number of students benefited by non-government schemes
FELICITATION OF TOPPERS	14
ME SCHOLARSHIP	12
ACADEMIC ADVANCE SCHEME	126
GRANT TOWARDS REGISTRATION FOR SYMPOSIUM	1
TOTAL STUDENTS BENEFITED	153

43. Number of students enrolled capability enhancement and development scheme:

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Career Counselling	2018-19	326	"TCS (Big Data & Hadoop) Andheri(E) Kalyani Joshi - kalyani.j@TCS.com 91-2267782295"
		172	CV Writing Sessions By Dr. Prashant Lokhande prashant@mes.ac.in
		42	Block Chain - Blockology - Mr. Vikash kumar Tel.9990397664

		48	Career Opportunities In SAP
Remedial Coaching	2018-19	35	Ranjita G Sagar K. Archana I. Sharvari G. Smita J. Florence S.
Bridge Courses	2018-19	35	Prof. Mimi Cherian mcherian@student.mes.ac
		25	Prof. dhiraj amin amindhiraj@mes.ac.in

44. Number of students in the department benefitted by guidance for competitive examinations and career counseling offered by the institution:

Year	Name of the scheme	Number of students benefitted /attended/participated by career counseling/Competitive exam activities
		Data Not Available

45. Number of students attending Vocational Education and Training(VET)

Number of students attending VET	Total number of students
130	473

46. Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee: NIL

No. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days

47. Number of outgoing students placed along with the name of the employer with contact details:

Number of students placed	Name of the employer with contact details	Package received	Program graduated from
1	BYJUS Vimal Udyog Bhavan, 3A, 1st Floor, A Wing, Taikalwadi Marg, Joshi Vadi, Matunga West, Mumbai, Maharashtra 400016	10L	COMP

2	Cognizant, Midc Indl Area, bldg no 5&6, Airoli, Navi Mumbai, Maharashtra 400708	3.38L	COMP
2	Endurance International, Goregaon East, Mumbai, Maharashtra 400065	4.5L	COMP
1	Headstrait Software, 604 Jay Antriksh, Makwana Rd, Marol, Andheri East, Mumbai, Maharashtra 400059	6L	COMP
2	HFFC, Shop No 114, Prajapati Arcade, Sector 15A,, PlotNo 22and 23,, New Panvel, Navi Mumbai, Maharashtra 410206	3.55L	COMP
1	IFI Tech Solutions, Andheri West	2.5L	COMP
1	Imarticus Learning Pvt Ltd	3L	COMP
11	LTI Ballard Estate, Mumbai 67525656	3.18L	COMP
6	Majesco Mahape, 61501800	3.75L	COMP
1	Mitr Learning & Media Pvt Ltd	2.4L	COMP
5	Reliance Jio, Navi Mumbai	3.29L	COMP
3	Reliance Retail, Ghansoli, 44775000	3.1L	COMP
5	Sutherland Global, Airoli, Navi Mumbai, Maharashtra 400708 022 4183 7884	2.5L	COMP
11	TCS, Thane West, 67782000, caree@tcs.com	3.36L	COMP
1	TSS	2.7L	COMP
5	Ugam Solutions, Prism Tower, Mumbai, Maharashtra 022 6652 7300	2.5L	COMP

48. Details of the students going for higher education:

Number of students enrolling into higher education	Program graduated from	Department graduated from	Name of institution joined	Name of program admitted to
13	BE	Computer		

49. Number of students appearing and qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations):

Registration /Roll No for the exam	Number of students selected/ qualifying								State government examination
	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/ IELTS	Civil Services	
4075693						Shivang Solanki			
4807140						Jigyasa Singh			
2015PE0234						Ayush Pllai			
4520903						Jahnvi Patil			
3792680						Shweta Acharya			
4211584						Akshata Nervekar			
5166939						Shantanu Sawant			
34119722							Shivang Solanki		
35019137							Akshata Nervekar		
35446973							Kanchan Choubey		
33954929							Shweta Acharya		
33954955							Ketki Barde		
314139							Saumitra Kulkarni		

50. Number of awards/medals for outstanding performance in sports/cultural activities at national / international level:

Name of the award/ medal	National/ International	Sports/ Cultural	Name of the Student	Number of students	Aadhaar Number/Admission Number
Winner Of University Inter Collegiate Level In Chess Competition	National	Sports	Abhiram Kuthulli	02	2017PE0308
			Vishak Nair Ravi		2017PE0153
Secured 5th Position In University Inter Collegiate Level In Chess Competition	National	Sports	Abhiram Kuthulli	02	2017PE0308
			Vishak Nair Ravi		2017PE0153

51. Details of the student council and the departmental student chapters:

Student Council Details

Sr. No	Post	2018-19
1	General Secretary	Jitin Nambiar
2	Cultural Secretary	Shruti Sherkhane
3	Technical Secretary	Bhushan Chaudhari
4	Sports Secretary	Vishal Singh
5	Principal's Nominee 1	Omkar Hattangadi
6	Principal's Nominee 2	Gireesh Nair
7	Women's Representative	Arthaya Koyande
8	BE Representative	Sindhura Shetty
9	TE Representative	Abhishek Padir
10	SE Representative	Nikhil Ghule

Departmental Student Chapter : Computer Society of India (CSI 2018)

POSITION	NAME OF STUDENT
Chairperson	Bhargavi Acharya
Vice Chairperson	Rishi Kataria
Secretary	Viddhi Rajput

Jt.Secretary	Prasad Karad
Treasurer	Saloni Soniminde
Creative Head	Pranay Sharma
Magazine Head	Gaurav Joshi
Technical Head	Deepansh Chaturvedi
Public Relations Officer	Shrayesh Kanade
Jt.P.R.O	Nachiket Sonawane
Publicity Head	Ketaki Barde
Jt.Publicity Head	Saakshi Bhosle
Jt.Treasurer	Kavya Mohandas
Be.Representative	Hariharan Venkatesan
Be.Representative	Megha Menon
Te.Representative	Vinod Gupta
Te.Representative	Lovkesh Sharma
Event Manager	Akash Bhattacharjee
Social Media Manager	Mayuresh Pitale
Jt.Technical Head	Ankush Bari
Jt.Creative Head	Vaibhav Adsul

52. Number of sports and cultural activities/competitions organized at the institution level:

Sr. No.	Name of the activity	Event Date
Alegria 2019		5th to 9th FEB
1	FIFA 19 (PS4)	
2	NFS Most Wanted	
3	CS GO	
4	DOTA 2	
5	PUBG	
6	Mini Militia	
7	Ludo King	
8	Oculus VR Fruit Ninja	
9	Oculus VR Fruit Ninja spot	5th to 9th FEB
10	Marathon (Pre-Alegria)	
11	Futsal	
12	Box Cricket	
13	Basketball	
14	Volleyball	
15	Kabaddi	
16	Tug of War	
17	10m Air Rifle Shooting	
18	Badminton (Girls)	
19	Badminton (Boys)	
20	Shotput	
21	Chess	
22	Table Tennis	
23	Carrom (Single)	
24	Carrom (Double)	
25	Football and cricket Quiz	

26	Devils Circuit	
27	Neo Cricket	
28	Neo shootout	
29	Neo Basketball	
30	Free Style Solo	
31	Classical Solo	
32	Solo Singing	
33	Rapping	
34	Beat Boxing	
35	Stand Up Comedy	
36	Mono Acting	
37	Open Mic	
38	Instrumental Music	
39	War Of DJs	
40	Duet Dance	
41	Folk Group	
42	Free Style Group	
43	Skit	
44	The Face Of Alegria	
45	Mr & Ms Alegria	
46	Fitness Physique	
47	Fashion Show	
48	Treasure Hunt	
49	Photography	
50	Fastest Finger First	
51	PTV Rowdies	
52	Food-a-thon	
53	Rose day	12th April 2019

54	Farewell	12th April 2019
55	Garba night	17th october 2018
56	Saree day	16th February 2019
57	Traditional day	16th March 2019
58	Shivaji Jayanti	23rd Feb 2019
59	Aarambh	15th september 2018
60	Engineering Football League 2019	25 Feb to 7 Mar 2019
61	Mumbai University Volleyball Championship	10Dec to 13 Dec 2018
62	FE SPORTS	25 SEP to 28 SEP 2018

53. Details of the contributions of alumni in the development of the department/ institution through financial and non financial means:

FINANCIAL DETAILS

YEAR	NUMBER OF STUDENTS	AMOUNT PER STUDENT	TOTAL AMOUNT
2018-19	120	500	60000

Details of seminar/ workshops conducted by our Alumni :

Sr. No	Date	Title	Speaker
1	23/2/2019 24/2/2019 10/3/2019	" FLASK: Python web framework"	Dhiraj amin
2	27/2/2019	Software engineering and project management	Shivkumar Vishwakarma
3	8/3/2019	Women's Day Celebration	Apeksha Chavan
4	15/3/2019	" Internet of Things "	Mimi Cherian

	16/3/2019		
5	22/2/2019	" Internet of Things "	Ruchira Patole
6	2/3/2019	Web Development	Akhil Menon
7	4/11/2018	Flask Python Web Framework	Dhiraj Amin
8	2/10/2018	Basic Concept Of Python	Dhiraj Amin
9	4/2/2018	Introduction To Mobile Application Development	Mr.Gaurav T
11	8/3/2018	Women's Day Celebration	Apeksha Chavan
12	29/9/2018	Web Development	Akhil Menon and Vishnu Nair.

54. Details of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies:

Sr.No	Name of teacher	PAN	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support(REMARK)
1	Dr. Sharvari Govilkar	AIIPG2599J		CSI membership fees	1840
2	VARUNAKSHI BHOJANE	AXUPK6572E		CSI membership fees	1840
3	Dr. Madhumita Chaterjee	ACWPC9655M		Trident Academy of Creative Technology	20000
4	Gaurav Sharma	ATJPS3472Q		Trident Academy of Creative Technology	20000
5	Amol K	AQZPK0770G	Smart India Hackathon(SIH) 2018-19, Hyderabad		2222
6	Smita More	BOFPM5037P	Smart India		2980

			Hackathon(SIH) 2018-19,Kanpur		
7	Dr. Sharvari Govilkar	AIIPG2599J	NAAC Orientation Program at kalina campus, University of Mumbai		500

55. Number of professional development/administrative training programs organized by the department for teaching and non teaching staff:

Sl. No	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from-to)	Dates (from-to) Non Teaching	No of participants (Teaching staff)	No of participants (Non-teaching staff)
1	Orientation program for Ph.D Computer Engineering		12th July 2018		1	
2		"Koha and Library Automation"		12th October 2018		39
3	1 Day Orientation Program on Advanced operating System for SEM V Computer Engg (REV- 2016), CBCGS,		17th July 2018		2	
4	Orientation program on Deep Learning and AI		6 March 2018		4	
5	One day workshop on Machine learning by Mr. Dhiraj Amin & Dr. Priam Pillai		8 Jan 2019		29	

6	1 day workshop on Moodle by IITB under NMEICT		14th March 2019		50	
7		KOHA Workshop for Librarians and System Administrators		09th March 2019		10
8	Workshop on "Building Resilience - A key to Women Empowerment" by Ms. Nisha Chandak ,Transformation Coach and NLP Trainer, MD, Purplotus Pvt. Ltd. " on account of International Women's Day celebration		6th March 2019		50	

56. Details of teachers attending professional development Programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes:

Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
2	Nptel Certification on Joy of Computing Using Python	Dec 2018
2	Orientation on Cloud Computing	11/01/2019
1	Orientation on Digital Forensics	05/01/2019
1	Orientation on Software Engineering and Project management	09/01/2019
1	Orientation on Wireless sensor Network	10/01/2019

1	Orientation on Cryptography and network security	16/07/2018
1	Orientation program on Database management System	18/07/2018
1	Orientation program on software Engineering	11/01/2019
1	orientation on Mini project	05 Feb 2019
1	One Week STTP on Recent Trends in Mobile(Android) Apps Development	24/06/2018 - 28/06/2018
1	FDP301x" Mentoring Educators in Educational Technology"	17 May 2018 to July 2018

57. Total Grants received from non-government bodies, individuals, Philanthropers:

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Initiative
Prof Gaurav Sharma	7,800	Mastering in CCNA
IIT Bombay under scheme of PMMMMNMTI MHRD for FDP101x, FDP201x, (2017-18)	83,000	Sponsorship to provide facilities to conduct FDP

58. Details of quality enhancement initiatives in the academic and administrative domains of the department:

Sr. No.	Name of quality initiative by Department	Date of conducting activity
A	Accreditation related Initiatives	
1	NAAC SSR preparation	July 2018
2	ISO certification	April 2019
3	AAA	May 2019
B	Academic Initiatives to enhance teaching learning	
1	Project based learning	July 2018 and Jan 2019
2	Remedial classes for slow learners	Oct / Nov 2018 and April/ May 2019
3	Announcement for online courses like NPTEL/ SWAYAM	July 2018 and Jan 2019
4	One week Autumn of FDP101X Foundation program in ICT for Education	September 13th, 2018 to October 18th, 2018.
5	One week Autumn of FDP201X Foundation program in ICT for	October 25th, 2018 to December 6th, 2018

	Education	
6	1 week course on " Networking and its Fundamentals"	17-21 Dec 2018
7	2 days workshop on " IOT "	15th and 16th March 2019
8	3 months Add on course on Data Science and Machine Learning	18th Aug 2018 - 8th Feb 2019
9	1 day hands on workshop on IOT by Mr. Srinivasan Y expert from CDAC Mumbai	29th Sept 2018
10	1 week workshop on "Python and development of web applications using Flask framework"	9th July - 15th July 2018
14	3 Months Course on IPR and Patenting	Jan 2019 to April 2019
15	3 months course on SAP ABAP	2017-18. 18-19
18	World water Day	24th March 2018
19	National Technology day	11th May 2018
20	Course on Research Methodology	8th Jan to 25th march 2018
21	Applied Machine Learning and Data Science with Python	18th Aug 2018 - 8th Feb 2019
22		29 June to 26 July 2018
23	SAP-ABAP	29 June to 26 July 2018
24		29 June to 26 July 2018
C	Research Initiatives	
1	One day Conference on Complex Systems	19th Nov 2018
2	One Day Conference on Polymer Processing	23 Feb 2019
3	2 days Conference on Technologies for Future Cities 2019	08-01-2019
4	Project Competition for Final year students	April 19
5	Participation in Smart India Hackathon 2019	March 2019
6	Participation in Deep Blue Competition	Feb 2019
7	Industrial visit	March 2019
8	Avishkar participation	Nov/Dec 2018
D	Industry Institute Interaction Initiative	
1	MOU signed with IEOT ONGC, Govt.of India	2018-19
2	MOU signed with Indian Institute of Packaging IIP,Ministry of	2018-19

	Commerce, Govt. of India	
3	MOU signed with Brainiac IP Solutions Pvt. Ltd.	2018-19
4	MOU signed with CISCO	2018-19
5	MOU signed with BIOCRUX INDIA PVT. LTD.	2018-19
6	MOU signed with Access Telematic System, Mumbai	2018-19
7	MOU signed with Indian Centre for plastics in the Environment	2018-19
8	MOU signed with IFS Academy	2018-19
9	MAHATPO Entrepreneurship Summit 2019	09-03-2019, 10-03-2019
10	MOU signed with Franklin Electric	2018-19
E	Employability enhancement Initiative	
1	College to Corporate Program on Financial Literacy	23 Jan 2018 to 23rd Feb 2018
2	C2C: Technical Skills	20/2/2018 to 18/03/2018
3	C2C :Effective use of IT for professional activities	6 September to 8 November 2018
4	C2C :Soft Skills	6 September to 4 October 2018
5	C2C :Workplace Communication	11 October to 8 November 2018
6	JOB fairs	2018-19
7	JOB fairs	2018-19
8	Career Guidance for Preparation of Higher Studies and Placements Organised by Training & Placement Cell, PCE	July 2018 to March 2019

59. Number of gender equity promotion Programmes organized by the department:

Year	Sr. No.	Title of the program
2018 - 2019	1	MOU for Development Program for girls
2018 - 2019	2	International Women's Day
2018 - 2019	3	Building Resilience - A key to Women Empowerment
2018 - 2019	4	Hackathon (Odd sem)
2018 - 2019	5	Hackathon
2018 - 2019	6	Girls in Tech
2018 - 2019	7	Selection of Project Groups
2018 - 2019	8	Deep Blue
2017-2018	9	Selection of Project Groups
2017-2018	10	Deep Blue
2017-2018	11	Hackathon
2017-2018	12	Women's Day Celebration
2017-2018	13	Self Defence Workshop(Karate Program)
2016-2017	14	Selection of Project Groups

2016-2017	15	Women's Day Celebration
2015-2016	16	Selection of Project Groups
2014-2015	17	Selection of Project Groups

60. Details of the PBL topics floated by the department:

PBL TOPICS : SE COMP SEM III

1. Traffic Signal Demonstration using Applet
2. Contacts Manager
3. Application for school kids for Time & Currency Conversion for various Countries and to display its capital
4. Faculty Profile Generation
5. Find Best student of the year
6. Result Analysis of Students
7. I-CARD GENERATOR SYSTEM for Alegria
8. Develop a simple GUI based application for a Bank system.
9. Employee Leave Management System for college office
10. Tic Tac Toe Gaming Application in Java
11. Java Applet to display Analog Clock

OSTL		
#	Project title	Abstract
1	Analysis of Students Result(ML)	The model will predict the score of the student in coming exams or upcoming result, based on previous result records of student.
2	Sentiment Analysis	The model will study the reviews of product from online website 's.The reviews will be categorized as positive,negative or neutral.
3	Web Application for online ticketing	A web interface for booking movie tickets online in an easy way.
4	Id Card Generator(GUI)	GUI based application where student need to enter the data and the system will generate an id card based on the information provided.
5	Supermarket billing System(GUI)	GUI based application for billing system.It will generate bill for the products bought by the customer.It will also give an overview of transactions of past one year.
COA		
#	Project title	Abstract
1	Simulation for Unsigned Multiplication Algorithm	Multiplication involves the generation of partial products, one for each digit in the multiplier. These partial products are then summed to produce the final product. The partial products are easily defined. When the multiplier bit is 0, the partial product is 0.When the multiplier is 1, the partial product is the multiplicand The total product is produced by summing the partial products. For this operation, each successive partial product is shifted one position to the left relative to the preceding partial product. The multiplication of two n-bit binary integers results in a product of up to 2n bits in length. The main purpose is to produce a multiplier with simulation that performs the calculation for unsigned integers. The simulation can be developed using any known language. The simulation algorithm can be analysed by using algorithm analysis measures.
2	Simulation for Booth's Algorithm	"Booth's Algorithm is used for Multiplication of two numbers. The main purpose is to produce a multiplier with simulation and to maximize the speed in which the multiplier performs the calculation. The simulation can be developed using any known language. The simulation algorithm can be analysed by using algorithm analysis measures.
3	Simulation for Non-restoring Division Algorithm	Non-Restoring Division Algorithm is used for division of two unsigned numbers. The main purpose is to develop a simulator which performs division of two unsigned binary numbers using non restoring concept. The simulation can be developed using

		any known language. The simulation algorithm can be analysed by using algorithm analysis measures.
4	Simulation for Restoring Division Algorithm	Restoring Division Algorithm is used for division of two unsigned numbers. The main purpose is to develop a simulator which performs division of two unsigned binary numbers using restoring concept. The simulation can be developed using any known language. The simulation algorithm can be analysed by using algorithm analysis measures.
5	Simulation for IEEE 754 floating point format representation(32-bit)	The most important floating-point representation is defined in IEEE Standard 754. The IEEE standard defines a 32-bit single precision format with 8-bit exponent. The main purpose is to develop a simulator which performs addition and subtraction of two floating point numbers and represent the answer in 32-bit double precision format. The simulation can be developed using any known language. The simulation algorithm can be analysed by using algorithm analysis measures.
6	Simulation for IEEE 754 floating point format representation(64-bit)	The most important floating-point representation is defined in IEEE Standard 754. The IEEE standard defines a 64-bit double precision format with 11-bit exponent. The main purpose is to develop a simulator which performs addition and subtraction of two floating point numbers and represent the answer in 64-bit double precision format . The simulation can be developed using any known language. The simulation algorithm can be analysed by using algorithm analysis measures.
Computer Graphics		
#	Project title	Abstract
1	Create Balloon shooting game	This should be an interactive game in which different sized and coloured balloons should be floating on the screen and the player will shoot those balloons with limited number of arrows.
2	Create Animation of varying star	In this animation star(set of lines) will be generated at the center of the screen and it will get increased in size till any part of that star reaches any boundary of the screen, as soon as star reaches the boundary of the screen program should get terminated.
3	Basic raster graphic editor	This editor should provide at least four functionalities to generate and to transform the graphic. There should be an option to fill a particular area with required colour.
4	Tic-tac-toe game	This game should accept user input and accordingly display winner of the game. This is a multi user game.
OS		
Sr. No.	Project title	Abstract

1	Gui based implementation of ls,mv,cp commands in C or Java	<p>ls - is a Linux shell command that lists directory contents of files and directories.</p> <p>mv - It is a Unix command that moves one or more files or directories from one place to another. If both filenames are on the same filesystem, this results in a simple file rename; otherwise the file content is copied to the new location and the old file is removed. cp - It is a UNIX command for copying files and directories. The command has three principal modes of operation, expressed by the types of arguments presented to the program for copying a file to another file, one or more files to a directory, or for copying entire directories to another directory.</p>
2	Gui based implementation of ls,mkdir,rmdir, cat commands in C or Java.	<p>ls Command: The ls command is a command-line utility for listing the contents of a directory or directories given to it via standard input. cat Command: cat command allows us to create single or multiple files, view contain file, concatenate files and redirect output in terminal or files. mkdir: The mkdir command in UNIX allows users to create directories or folders as they are referred to in some operating systems. The mkdir command can create multiple directories at once and also set permissions when creating the directory. The user running the command must have appropriate permissions on the parent directory to create a directory or will receive a permission denied error. In DOS, OS/2 and Windows, the command is often abbreviated to md.</p>
3	Gui based implementation of ls,open, read,write commands in C or Java.	<p>ls() command is most widely used command and it displays the contents of directory. ls will list all the files in your home directory, open() returns a file descriptor, a small, non-negative integer for use in subsequent system calls. read() attempts to read up to count bytes from file descriptor fd into the buffer starting at buf. write() writes up to count bytes to the file referenced by the file descriptor fd from the buffer starting at buf. POSIX requires that a read() which can be proved to occur after a write() has returned returns the new data. Note that not all file systems are POSIX conforming.</p>
4	Menu driven web pages for all basic Linux commands.	<p>Linux is a family of free and open-source software operating systems built around the Linux kernel. Typically, Linux is packaged in a form known as a Linux distribution(or distro) for both desktop and server use. The defining component of a Linux distribution is the Linux kernel. To perform various operations we have some Linux commands for respective operations. These include pwd, ls, mkdir, cat, rmdir, etc. to demonstrate some of these commands through a menu driven webpage.</p>

5	Create GUI for Scientific calculator.	A scientific calculator is a type of electronic calculator, usually but not always handheld, designed to calculate problems in science, engineering, and mathematics. a GUI calculator which can interact with the user and perform all the functions which a normal calculator does. Apart from the normal calculator a scientific calculator can perform complex functions , Trigonometric functions, and all other functions. Objective of a Scientific calculator: Perform all the normal calculations. Perform Complex and high end calculations. Should be user friendly
6	Search for a given pattern from given file using grep commands also include wildcard character.	grep is a command-line utility for searching plain-text data sets for lines that match a regular expression. Its name comes from the ed command g/re/p (globally search a regular expression and print), which has the same effect: doing a global search with the regular expression and printing all matching lines.
7	Separation of parent child process using PIPE.	System call fork() is used to create processes. It takes no arguments and returns a process ID. The purpose of fork() is to create a new process, which becomes the child process of the caller. After a new child process is created, both processes will execute the next instruction following the fork() system call. Therefore, we have to distinguish the parent from the child. This can be done by testing the returned value of fork(): If fork() returns a negative value, the creation of a child process was unsuccessful. fork() returns a zero to the newly created child process.fork() returns a positive value, the process ID of the child process to the parent.
8	To explore file organization system.	Counting number of lines. This uses algorithm makes use of end of file method to count the number of lines in a file. Which can be .txt .java or any text file format by searching it in current directory it uses “\n” List all files in directly By using Dired.h header file we can access the files in a directory where the current program is saved.it uses path of current saved program and displays all the directories and files saved in the current working path. Copy the content of one file to another Delete a specific file. This function uses remove method to Delete the file permanently by using dirent.h it only searches the file present in the directory where the program is located.

PBL TOPICS : TE COMP SEM VI

Group No	Roll No	Student. Name	Mini Project Title
TEC A1	27	Irfat Kapde	Detecting Phishing websites using machine learning
	22	Pooja Ingale	
	37	Salman Mapkar	
	74	Shubham More	
TEC A2	44	Anusree Mohanan	AI dietician
	23	Pooja Iyer	
	61	Parag Iyyani	
	5	Anant Kumar	
	57	Adarsh Badyal	
TEC A3	45	Kavya Mohandas	Google play store review
	43	Nivedita Mhatre	
	49	Pragati Patil	
	38	Darshan Maskar	
TEC A4	46	Sitadevi Muthkhod	Hate speech detection using natural language processing techniques
	41	Meenu Madhu	
	40	Mebin Philip	
	42	Vivek Menon	
TEC A5	19	Vinod Gupta	Parental control App.
	8	Balraj Singh	
	21	Saqiuzzaman Hossain	
TEC A6	33	Krtin Ahuja	Crystal Structures using Augmented Reality
	52	Akshans Rautela	
	2	Himanshu Agarwal	
	36	M Anushchand Chandran	
TEC A7	47	Pravinraj Nadar	Wi-Fi Based Home Automation System
	59	Saqlain Dhanse	
	51	Dhanadarsh P. Kumar	
	58	Shubham Bavdhankar	
TEC A8	6	Aparna Ashok Kumar	Web Designing Timetable

	11	Betina Cherian	
	50	sarath pillai	
TEC A9	55	Arya Anilkumar	Content summary Generation
	56	Athira Jayakumar	
	68	Sreelekshmi Menon	
	70	Aparna Nambiar	
TEC A10	60	Siddhesh Hemade	Online Auction system
	48	Rokith Nair	
	34	Krithika Singh	
	73	Arvind Iyer	
TEC A11	76	Vaibhav Adsul	Online Aptitude test Portal
	69	Mrunal Badade	
	75	Jagruti Thombare	
	53	Akshata Deshpande	
TEC A12	71	Nimit Tiwari	Online Academic Assignment Management with MOOC capabilities
	66	Sheetal Khodbhaya	
	67	Sachin Mahto	
	62	Joelsam George	
TEC A13	1	Abhilash Dayanandan	Object identification from a given video
	14	Akshay Chakkungal	
	31	Anooj Kommeri	
	32	Deepak Sunil Koppuliparambil	
TEC A14	35	Pranav Kurup	E-learning package for e-governance application
	24	Jishnu Unnikrishnan	
	20	Rohit Hol	
	26	Bhuvan Krishna	
TEC A15	29	Shruti Katkade	FIR case classification , an IR application
	28	Urjita Kerkar	
	18	Manish Gupta	
	12	Pravin Bhilare	
TEC A 16		Ankush	Air pollution meter
		Albin	
		khushboo A	

		ashita	
TEC A17	17	Rohit Franklin	Cloud security
	16	Dnymish Patil	
	15	Sahil Deshmukh	
TEC A18		saakshi	Cancer detection
		shivangi	

61. Details of the final year project:

Department of Computer Engineering				
BE COMPUTER PROJECT 2018-19				
Gr. No.	Name of the Student		Project Title	Guide Name
C1	1	Kalpaj Chaudhari	Regression model for appraisal of Real Estate	Prof. Aju Palleri
	2	Sheetal Budbadkar		
	3	Abhishek Bhogal		
	4	Nidhi Chipkar		
C2	1	Rohit Nair	Voice based notice board using android	Prof. Gayatri Hegde
	2	Amritha Sajeew		
	3	Raksha Bondanthila		
	4	Deeksha Kumbla		
C3	1	Saurabh Sanjay Mete	Text based Emotion Analysis using Machine Learning	Prof. Sagar Kulkarni
	2	Raj Jagdish Bhanvadia		
	3	Mandira Manindra Adak		
	4	Mayuri Rajendra Chilekar		
C4	1	Aniket Vilas Dabde	Content based image retrieval using Deep learning	Dr.SatishKumar Varma
	2	Himanshu Kaloni		
	3	Hitesh Joshi		
	4	Akhil Nair		
C5	1	Susmitha Nadar	Automatic Fabric Detection System	Prof. Rupali Nikhare
	2	Uzama Naik		
	3	Rutuja Mapari		
C6	1	Prathmesh Vijay Chavan	Mobile tool for collection, analysis and reporting for the Social Sector	Prof. Gaurav Sharma
	2	Anirudh Pradeep Nair		
	3	Megha Subhash Menon		

	4	Bhargavi Ravindra Acharya		
C7	1	Poornima Kishor Patil	Room Temperature Control Using Fuzzy Logic and arduino for visually impaired people	Prof. Krishnendu Nair
	2	Anand Jayant Deshmukh		
	3	Saumitra Milind Kulkarni		
	4	Ashutosh Smrutiranjana Mohanty		
C8	1	Rahul Nair	Mobile tool for analysis of events,stocks and management system	Prof. Deepti Lawand
	2	Justin James		
	3	Rishab Koul		
	4	Mehmood Deshmukh		
C9	1	Nair Nikhil Bhaskaran	Fingerprint based Biometric Attendance System	Prof. K.S. Suresh Babu
	2	Sherin Thomas Emmatty		
	3	Menon Aditya Nityanand		
	4	Harkangi Nikhil Shrishail		
C10	1	Srikavya Vinjamuri	A System for Mining Performance Appraisal Data and Text	Prof. Aju Palleri
	2	Ritwik Chaurasia		
	3	Karthik Karotra		
	4	Zeel Rajput		
C11	1	Shweta Achary	Generalized sentiment learner using deep learning	Prof. Varunakshi Bhojane
	2	Ketaki Barde		
	3	Inderjeet Singh Bhatti		
	4	Damodaran Methu Manoharan		
C12	1	Kajal Dubey	Bug report collection system	Prof. Deepti Lawand
	2	Rahul Gupta		
	3	Aditya Mahajan		
C13	1	Shivang Divyesh Panchal	Human Resource Analytics (HRA) for Employees using Deep learning	Prof. Varunakshi Bhojane
	2	Jayadev Venkatesh		
	3	Siddhesh Deshpande		
	4	Manpreet Singh Channa		
C14	1	Najih Banu Mohd Shafique	Prediction and Detection of Cyber bullying in Twitter	Prof. Gaurav Sharma
	2	Aditi Ashok Gurav		
	3	Sangita Ratan Tandel		

	4	Anjana Nair		
C15	1	Bhabya Mishra	Duplication Detection using SHA1	Prof. Sujit Tilak
	2	Isha Dwivedi		
	3	Shrey Jakhmola		
	4	Arvind Hariharan Nair		
C16	1	Prathamesh Patade	Human Posture recognition and movement analysis using deep learning	Prof. Prakash Bhise
	2	Tejas Desai		
	3	Harman Singh Bath		
	4			
C17	1	Briesh Giri	A Unified Framework for Tracking based Text Detection and Recognition from Web Videos	Prof. Amol Kharat
	2	Neeraj Koli		
	3	Jisha Nair		
	4	Dakshana Rathod		
C18	1	Akash Roy	Recency Ranking Using Twitter Data	Prof. Madhu N.
	2	Pratik Deo		
	3	Prathistha Mishra		
	4	Shivam Tripathi		
C19	1	Sayali R.Gole	PCE Alumni Portal	Prof. Ranjita Gaonkar.
	2	Neha Tamkhane		
	3	Virshree Desai		
	4	Vinay Kunji		
C20	1	Tejan Satre	Mobile integrated smart irrigation management and monitoring system using IOT	Prof. Krishnendu Nair
	2	Niket Dare		
	3	Sandhu Charanjeet Kaur		
C21	1	Shreya Jayachandran	Prediction of Movie Box-office success using NLP and Machine learning techniques	Dr. Sharvari Govilkar
	2	Sanika Tamhankar		
	3	Karishma Netake		
	4	Sayoojya Dinesan		
C22	1	Nair Swati Sasindrakumar	Assist Crime Prevention using Machine Learning.	Prof. Sagar Kulkarni
	2	Tamhankar Apurva Chandrakant		
	3	Soniminde Saloni Ajit		
	4	Sruthi Sureshbabu		
C23	1	Rohini Bridgitte Stanly	Smart Greenhouse Environment Monitoring System based on IoT technology	Prof. Payel Thakur
	2	Jidnyesha Manohar Takle		

	3	Shweta Purushothaman		
	4	Aradhana Potteth		
C24	1	Dikshita Sandeep Juikar	Sql Injection Prevention System Php	Prof. Sujit Tilak
	2	Kshitiya Shyam Kadam		
	3	Sanith M Shaji		
	4	Akash Rajesh Nikam		
C25	1	Fenny Bhupat Zalavadia	Detecting Phishing Attacks Using Natural Language Processing and Machine Learning.	Dr. Sharvari Govilkar
	2	Shubhangi Karunesh Pandey		
	3	Akshata Govind Nevrekar		
	4	Priyanka Prabhakar Pachpande		
C26	1	Rohith Nair	Prediction of Indian Election Sentiments on Twitter using Machine Learning Technique	Prof. Manasi Kulkarni (Prof. Shubhangi R.)
	2	Sharan Rai		
	3	Shivam Soni		
	4	Vickson Rodrigues		
C27	1	Raj Bhillare	Movable Wheel chair using resistive touch for old age people.	Prof. Sushopti Gawade
	2	Srishti Silvaraj		
	3	Pranjali Naik		
	4	Pranav Parab		
C28	1	Karan Shah	Image Scene Recognition.	Prof. Amol Kharat
	2	Jeet Navadhare		
	3	Jiten Patil		
	4	Anuj P Eapen		
C29	1	Mudliar Rohan Manohar	Unmanned Aerial Vehicles Operated Emergency Ad Hoc Networks.	Prof. Manjusha Deshmukh
	2	Gadge Padmesh Manohar		
	3	George Jobin Robert		
	4	Solanki Shivang Rajendra		
C30	1	Nikita Yadav	User Identification, Authentication, Authorisation and Accounting using Blockchain.	Prof. Gaurav Sharma
	2	Manmeet Phagurah		
	3	Sahil Raorane		
	4	Pranay Sharma		

C31	1	Vaishnavee Deshmukh	A Music Player based on Facial Expression Recognition	Prof. Ranjita Gaonkar
	2	Rahul Pushpala		
	3	Dattatrey Patil		
	4	Ameya Salvi		
	5	Harshal Gaonkar		
C32	1	Ayushkumar Vijayakumar Pillai	Dynamic traffic signaling based on google traffic map	Dr. Prashant Lokhande
	2	Shravan Balachandran Nambiar		
	3	Dishant Atul Raikwar		
	4	Shubham Navin Chandra Pathak		
C33	1	Rushikesh Balu Chavan	Thoracic disease prediction algorithm from Chest X-Ray images using Machine Learning Techniques	Prof. Prakash Bhise
	2	Shravani Uday Holkar		
	3	Prajyot Salgaonkar		
	4	Jidnasa Pillai		
C34	1	Reuben Reji	Intelligent Reading Assistant for the differently abled people	Prof. Manjusha Deshmukh.
	2	Rohit Pillai		
	3	Saurabh Das Nair		
	4	Rammohan Baby Palliyil		
C35	1	Yadnyashree Somaraj	Detection of cyberhacking on instagram	Prof. Rakhi Muley
	2	Tanmayee Sachin Patange		
	3	Aishwarya Jalandar Thorve		
	4	Singh Jigyasa Satyavir Singh		
C36	1	Sonal Jotiba Adsol	Wifi chat based android app	Prof. Gayatri Hagde
	2	Vaibhavi Deepak Dalvi		
	3	Srikanth Naidu		
	4	Aditya Warriar		
C37	1	Omkar Rajaram Hande	Web based Personal Health Care System	Prof. Prashant Nitnaware
	2	Anamika Ashok Sanap		
	3	Kajal Ashok Lonkar		
	4	Sushant Santosh Shinde		

62. Initiatives taken by the department to enhance the quality of teaching learning process, research and entrepreneurship:

Innovation and creativity are fundamental and essential qualities the department of computer Engineering seeks to develop both in its students and faculty. It does this by creating an environment of opportunities around them and then allow them the freedom to be creative and innovative.

Some of the initiatives for innovative and improved teaching learning are listed below.


1. **Department of Computer Engg encourages faculty members to use “E-Learning Studio”** to record lectures of respective subjects in stipulated time of 10 minutes. **E-Learning Studio”** is an in-house developed Light Board and recording facility . Once recorded , these videos are shared with students via YouTube or other learning platforms. These online lectures allow the faculty to more easily incorporate interactive, audio-visual tools, digital resources, animation and simulations in their lectures. This allows students to review lectures and various concepts at home and then come to class and ask questions.
2. Department of computer engineering encourages students and faculty members to participate in **eOutreach program conducted in collaboration with IIT Bombay** Till date more than 30 faculty development workshops encompassing a variety of subjects including use of ICT in education have been conducted through the remote center. These courses have enriched our faculty members with advanced teaching methods adopted by eminent teachers/professors of various IITs.
3. **Google Classroom and moodle** is being used by a few of our faculty members and assignments/quizzes are given out through such classrooms.
4. Effective implementation of **Problem/project based learning**, demo models, mini projects in addition to seminars and case studies contribute in enhancing further creativity and innovation in teaching-learning.
5. **Component library** is a unique facility of teaching learning process at Dept of Computer Engg.Faculty members and students borrow different components to create/demonstrate/experiment different concepts, systems or subsystems that they learn in the theory classes and beyond the syllabus.
6. **Skill based learning** is facilitated with additional **certificate courses, workshops and trainings** which helps in improving their employability. Such courses and

workshops are conducted after the normal working hours and mostly on weekends or during vacations.

7. **Industrial visits** to various software/hardware companies in and around Mumbai help students in understanding beyond the syllabus concepts and latests trends in industry.
8. **Facilitating students for various Project Competitions** is an integral part of our college culture. Students regularly participate in project competitions like all India level Hackathons, project Deep Blue, AVISHKAR etc. Students are also encouraged to present technical papers in reputed conferences as well as competitions. A separate student activities fund of Rs 10 Lakh is allocated per year to encourage participation in such activities. The institute also conducts project competition and cash awards are given to the best performing teams.

Declaration by the Head of the Department/Institution:

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

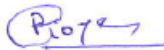

Head of Department

(Dr. Shashan
Gonikar)

Dept. of Computer
Engg.



S.M. Joshi



P.S. Goyal

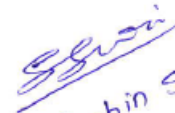

Shashan Gonikar



Manika Bhagwat



Pragna



Sachin S. Wani

Raj