



Mahatma Education Society's  
Pillai College of Engineering  
Dr. K. M. Vasudevan Pillai Campus, Sector16,  
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: Information Technology
2. Year of establishment: Academic Year 2000
3. Programmes offered:

B.E Information Technology with intake 120

M.E Information Technology with intake 18

Ph.D Information Technology 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	IT	Information Technology	College to Corporate Program on English for communication	2018-19	
2	IT	Information Technology	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	Dr. Satishkumar L. Varma	Member, Local Inquiry Committee, University of Mumbai.	

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

<b>Name of the new course introduced in last A.Y.</b>	<b>Program name</b>	<b>Program code</b>	<b>Course code</b>	<b>Year of introduction</b>	<b>Link the relevant document</b>
Internet Programming	Undergraduate Information Technology		ITC502	2018-19	
Cryptography & Network Security	Undergraduate Information Technology		ITC504	2018-19	
Internet Programming Lab	Undergraduate Information Technology		ITL501	2018-19	
IOT (Mini Project) Lab	Undergraduate Information Technology		ITL504	2018-19	
Security Lab	Undergraduate Information Technology		ITL502	2018-19	
OLAP Lab	Undergraduate Information Technology		ITL503	2018-19	
Department Level Optional Course-I: Advanced Data Structures & Analysis of Algorithms	Undergraduate Information Technology		ITDLO1011	2018-19	
Image Processing	Undergraduate Information Technology		ITDLO5012	2018-19	
E-Commerce & E-Business	Undergraduate Information Technology		ITDLO5013	2018-19	
Department Level Optional Course-I IT Enabled Services	Undergraduate Information Technology		ITDLO1014	2018-19	
Software Engineering with Project Management	Undergraduate Information Technology		ITC601	2018-19	
Cloud Computing & Services	Undergraduate Information Technology		ITC603	2018-19	
Wireless Networks	Undergraduate Information Technology		ITC604	2018-19	
Software Design Lab	Undergraduate Information Technology		ITL601	2018-19	
Business Intelligence Lab	Undergraduate Information Technology		ITL602	2018-19	
Cloud Service Design Lab	Undergraduate Information Technology		ITL603	2018-19	
Sensor Network Lab	Undergraduate Information Technology		ITL604	2018-19	
Mini-project	Undergraduate Information Technology		ITM605	2018-19	

Department LevelOptional Course -II Software Architecture	Undergraduate Information Technology		ITDLO6022	2018-19	
Department LevelOptional Course -II Digital Forensics	Undergraduate Information Technology		ITDLO2023	2018-19	
Department LevelOptional Course Multimedia Systems	Undergraduate Information Technology		ITDLO6024	2018-19	
Department LevelOptional Course -II Green IT	Undergraduate Information Technology		ITDLO2025	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 Information Technology	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	29
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	4
2018-19	workshop on IOT	Certificate	59
2018-19	Complete Network Fundamentals: Mastering CCNA	Certificate	4

2018-19	C2C (English for communication, Financial Literacy, Handling large projects)	Certificate	17
2018-19	FLASK: Python web framework	Certificate	17
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 (ABAP)	TAW10 TAW11E TAW12	2017-18	NIL	5*	
3	Applied Machine Learning and Data Science with Python	AML	2017-18	NIL	23	23
4	1 week workshop on “Python and development of web application using Flask framework” for Third year IT students	FLASK	2017-18	NIL	55	29
5	Complete Network Fundamentals: Mastering CCNA	CNF	2015-16	NIL	13	13
6	C2C-English for oral communication	C2C	2017-18	NIL	17	17
7	C2C-Financial Literacy	C2C	2017-18	NIL	17	17
8	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 Information Technology Engineering	IT	27	
Multidisciplinary Field projects-HACKATHON	All Programs	19	
Multidisciplinary Field projects - DEEP BLUE	All Programs	17	

**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	IT	Transaction Control is not included	Covered in contents beyond syllabus	
2	Alumni	IT	More opportunities for placement should be provided	Training and Placement-Group discussions, Aptitude test, Interview mock	
3	Alumni	IT	Hands on session on programming languages for bridging the gap between curriculum and industry will be beneficial	Conducted 2 days workshop on " FLASK: Python web framework"	

**12. Number of students from other States and Countries admitted in the department:**

Year of enrolment	Number of students enrolled from other states	Number of students enrolled from other countries	Link of the relevant document
2018-19	4	1	

**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	Information Technology	IT	120	126
	ME Information Technology	ME-IT	18	4

**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	3	0	4	18	2

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 Information Technology 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	430	4	23	0	3	17:1

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

Designation	Sanctioned	Filled
Professor	2	2
Associate Professor	5	5
Assistant Professor	15	18
Total	22	25

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

Year	Total No. Full time teachers	No. of teachers with PhD
2018-19	26	2

**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	Relevant link
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		State/National/International level	
2018-19	26	6	

**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	26	6

**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:**

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.

**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	
t 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	GUDDHI PADWA	MO 6		TH 6	
D 7	CLASSES BEGIN	TH 7		TH 7	34	SU 7		TU 7	THEORY EXAM STARTS	FR 7	
J 8	CTFC 2019 NON INSTRUCTIONAL	FR 8	ALEGRIA 2019 THE FESTIVAL OF JOY	FR 8	DEFAULTER ALERT-II IN LIEU OF 2018/2019 PTM I	MO 8	FINAL DEFAULTERS LIST	WE 8		SA 8	
E 9		SA 9		SA 9		TU 9	54	TH 9		SU 9	
f 10		SU 10		SU 10		WE 10		FR 10		MO 10	
q 11	MAKERS DAY	MO 11	21	MO 11	36	TH 11		SA 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	SHRI RAM NAVAM AMBEDIKAR JAYANTI	MO 13		TH 13	
D 14		TH 14	24	TH 14	39	SU 14		TU 14		FR 14	
J 15		FR 15	25	FR 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	MAHAVIR JAYANTI	FR 17		MO 17	
t 18	8	MO 18	INTERNAL ASSESSMENT TEST I	MO 18	41	TH 18	SUBMISSIONS	SA 18	BUDDH POURNIMA	TU 18	
l 19	FACULTY SEMINAR SERIES	TU 19	SHIVAJI MAHARAJ JAYANTI	TU 19	42	FR 19	GOOD FRIDAY	SU 19		WE 19	
J 20		WE 20	INTERNAL ASSESSMENT TEST I	WE 20	43	SA 20	SUBMISSIONS, FACULTY SEMINAR SERIES, CLASSES END	MO 20		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	VIVA/PRACT BEGIN	WE 22		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	
q 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	INTERNAL ASSESSMENT TEST I	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		WE 31		FR 31		MO 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



**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	
MO 2		TH 2		SU 2		TU 2	GANDHI JAYANTI	FR 2		SU 2	
U 3		FR 3		MO 3		WE 3		SA 3	ORALPRACT END	MO 3	
WE 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		TH 8		SA 8	PTMI WORKING LIEU OF 8 <sup>TH</sup> JULY	MO 8		TH 8	DIWALI FESTIVAL	SA 8	
MO 9	CLASSES BEGIN	WE 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	
WE 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	
R 13		MO 13	INTERNAL ASSESSMENT TEST I	TH 13		SA 13		TU 13		TH 13	
A 14		TU 14	INDEPENDENCE DAY	FR 14		SU 14		WE 14		FR 14	
U 15		WE 15		SA 15	GANAPATI FESTIVAL MID TERM BREAK	MO 15	INTENSIVE STUDY	TH 15		SA 15	THEORY EXAM ENDS
MO 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 CO FOR 11 AUGUST	MO 17		WE 17	SUBMISSIONS	SA 17		MO 17	
WE 18		SA 18		TU 18	INTERNAL ASSESSMENT TEST II	TH 18	DASHAHARA	SU 18		TU 18	
H 19		SU 19		WE 19		FR 19		MO 19		WE 19	
R 20		MO 20		TH 20	MOHORAM TAJIYA	SA 20	CLASSES END FACULTY SEMINAR SERIES	TU 20	ED-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 ED	SA 22		MO 22	VIVA PRACT BEGIN	TH 22		SA 22	
MO 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	
WE 25		SA 25		TU 25		TH 25		SU 25		TU 25	CHRISTMAS
H 26		SU 26		WE 26		FR 26		MO 26		WE 26	
R 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	
MO 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*

### 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 the Department of Information Technology, 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
IT	Information Technology	BE	136	129
ME-IT	ME-Information Technology	ME	----No Student----	

#### 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:

SN	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	

#### 26. Details of the teachers recognized as research guides:[C3]

S N	Name of teachers recognized as research guides	PG / PhD Recognition	Department	Year of Recognition
1	Dr. Madhumita C.	PhD	IT	2018-19
2	Dr. Sharvari Govilkar	PhD	IT	2018-19
3	Dr. Satishkumar Varma	PhD	IT	2018-19

#### 27. Details of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices:[C3]

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: SHIVAM TIWARI	10.03.2019 to 10.03.2019	Industry-Academia
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 Swapper	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 testing : Industry approach and automation tools" Speaker: Shrutika Dhargave, Quality Software Technologies	04.04.2019 to 04.04.2019	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 Bombay	19.02.2019 to 15.04.2019	Industry-Academia

2232	2018-19	Workshop on College to Corporate program on "Workplace Communication" by IIT Bombay	19.02.2019 to 15.04.2019	Industry-Academia
24	2018-19	Workshop on Foundation program in ICT for Education( FDP101X),by IIT Bombay	13.09.2018to 18.10.2018.	Industry-Academia
25	2018-19	Workshop on "Foundation program in ICT for Education( FDP201X)",by IIT Bombay	25.10.2018 to 06.12. 2018	Industry-Academia
26	2018-19	Workshop on "Handling emergencies and first aid techniques"	23.03.2019 to 23.03.2019	Industry-Academia
27	2018-19	Workshop on KOHA for librarians and System Administrators	12.10.2018 to 12.10.2018	Industry-Academia
28	2018-19	Workshop on KOHA for librarians and System Administrators	09.03.2019 to 09.03.2019	Industry-Academia
29	2018-19	Workshop on "Moodle for faculties" through RC1100 , conducted by IITB	15.03.2019 to 15.03.2019	Industry-Academia
30	2018-19	Workshop on Scilab for Teachers through RC1100 , conducted by IITB	04.05. 2019 to 04.05.2019	Industry-Academia
31	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
32	2018-19	IoT Hands on WORKSHOP on "Internet of Things and its Applications"	15.03.2019 to 16.03. 2019	Industry-Academia
33	2018-19	Software Engineering & Project Management (SEPM),Software Architecture (SA).	27.02.2019 to 27.02.2019	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. Satishkumar Varma	Final Level - PG Avishkar 2018-19	Mumbai University
2	Dr. Satishkumar Varma	First Level - PG Avishkar 2018-19	Mumbai University
3	Ninad Gaikwad	Smart India Hackathon 2018-19	Ministry Of Human Resource Development
4	Dhiraj Amin	Smart India Hackathon 2018-19	Ministry Of Human Resource Development

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

SN	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal
1	Copyright: A NEW FAST AND EFFICIENT ENCODER: CACHE-BASED CODING FOR ERROR FREE IMAGE DATA COMPRESSION	Satishkumar Varma and S. N. Talbar	Computer Engineering	Ministry of Commerce & Industry Department of Industrial Policy and Promotion	2018-19	Diary Number: 3021/2018-CO/L	
2	Performance Analysis of Feature Selection for Twitter Sentiment Analysis: Classification approach	Shweta Raut and Madhu Nashipudimat h	Computer Engineering	IJARCCCE	2018-19	ISSN (Online) 2278-1021 ISSN (Print) 2319-5940	
3	A classification model on probabilistic semantic relation for big data: An integrated approach	Madhu Nashipudimat h and Dr.Subhash Shinde	Computer Engineering	International Journal of Engineering and Technology (UAE). Special Issue on Artificial Intelligence, Big Data, and Machine Learning	2018-19	ISSN 2227-524X	
4	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	
5	Prediction of Indian Election	Manasi Kulkarni,	Information Technology	International Journal of	2018-19	ISSN (Online):	

	Sentiments on Twitter using Machine Learning	Shubhangi Rathod, Rohith Nair, Sharan Rai, Vickson Rodrigues, Shivam Soni,		Research in Engineering, Science and Management Volume-2, Issue-4, April-2019 www.ijresm.com		2581-5792	
6	Literature Survey of Real Time OSN Analysis to Detect online Terrorists	Manasi Kulkarni, Sagar Kulkarni, Tasneem Attarwala, Mrudul Bornare, Riya Jadhav,	Information Technology	International Journal of Information systems	2018-19	ISSN:2229-5429	
7	Robust Tissue Classification for Foot Ulcers Wound Assessment Using Image Analysis System	Nair Krishnendu, Jinesh Melvin. Y.I., Ginchil Krus	Computer Engineering	"HBRP Publication Advancement in Image Processing and Pattern Recognition Volume 2 Issue 1	2018-19		

**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	PRAKASH BHISE	NA	THORACIC DISEASES PREDICTION ALGORITHM	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19	-	PCE, New Panvel	SSRN-ELS EVEIR	

			FROM CHEST X-RAY IMAGES USING MACHINE LEARNING TECHNIQUES							
2	Madhura Vyawahare	NA	DETECTION OF CYBERHACTORING ON INSTAGRAM	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19	-	PCE, New Panvel	SSR N-ELS EVEIR
3	Satishkumar Varma	NA	6th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTEM-2017) @, Karnataka 5	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19	-	PCE, New Panvel	SSR N-ELS EVEIR
4	Gayatri Hegde	NA	PROPOSED AUTOMATED PLANT WATERING SYSTEM USING IOT	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19	-	PCE, New Panvel	SSR N-ELS EVEIR
5	Dr. Satishkumar	Computing,	Automated Detection	Advances in	ICCASP 2018	International	2018-19	-	PCE, New	Springer

	ar Varma	Communication and Signal Processing	of Malaria Parasite Based On Thick and Thin Blood Smear Images	Intelligent Systems and Computing book series (AISC, volume 810)					Panvel	Nature Switzerland AG	
6	Dr. Satishkumar Varma	Smart Innovations in Communication and Computational Sciences	Financial Planning Recommendation System Using Content-Based Collaborative and Demographic Filtering	Advances in Intelligent Systems and Computing book series (AISC, volume 669)	ICSICCS 2017	International	2018-19	-	PCE, New Panvel	Springer Singapore	
7	Dr. Satishkumar Varma	NA	Analysis of PCA and LDA features for facial expression recognition using SVM and HMM classifiers	Techno Societal-2018 International Conference on Advanced Technologies for Societal Applications	-	International Conference	2018-19	-	PCE, New Panvel	Springer	-
8	Dr. Satishkumar Varma	NA	Automated Detection of Malaria Parasite Based On Thick and Thin Blood Smear Images,	Communication and Signal Processing (ICCASP 2018),	-	International Conference	2018-19	-	PCE, New Panvel	Springer	-
9	Mimi Mariam Cherian	NA	Survey of security threats in IoT and	SSCC'18 Workshop on Multidisc	CIS-2018	International	2018-19	ISSN: 1865:0929.	PCE, New Panvel	Springer	



			emerging countermeasures	iplinary Perspectives in Cryptology and Information Security (CIS-2018)							
10	Nymphia Pereira	Smart Innovations in Communication and Computational Sciences	Financial Planning Recommendation System Using Content-Based Collaborative and Demographic Filtering	Advances in Intelligent Systems and Computing book series (AISC, volume 669)	ICSICCS 2017	International	2018-19	ISBN : 978-981-10-8968-8	PCE, New Panvel	Springer Singapore	
11	Shubhangi Chavan	NA	“CV Based Employability Prediction Using Machine Learning”,	4th International Conference of Innovations in IT and Management (ICI2TM) February 2019	4th International Conference of Innovations in IT and Management (ICI2TM) February 2019	International	2019	ISSN : 2229-5429	PCE, New Panvel		
12	Shubhangi Chavan	NA	A Chatbot Based Question Answering System	4th International Conference of Innovations in IT and Management (ICI2TM) February	4th International Conference of Innovations in IT and Management (ICI2TM) February 2019	International	2019	ISSN : 2229-5429	PCE, New Panvel		

				2019							
13	Mimi Cherian	NA	Smart Agriculture	CONFERENCE ON TECHNOLOGIES FOR FUTURE CITIES (CTFC) 2019	CONFERENCE ON TECHNOLOGIES FOR FUTURE CITIES (CTFC) 2019	Internal	2019	ISBN 978-93-82626-27-5	PCE, New Panvel		
14	Mimi Cherian	NA	Smart Garbage Management	CONFERENCE ON TECHNOLOGIES FOR FUTURE CITIES (CTFC) 2019	CONFERENCE ON TECHNOLOGIES FOR FUTURE CITIES (CTFC) 2019	Internal	2019	ISBN 978-93-82626-27-5	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 nataks 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 Chapters 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	Subject expert to conduct Ph.D computer Engg interview at PHCET on 30th March 2019	Expert	PHCET, Rasayani	2018-19	Dr. Satishkumar Varma
2	Subject expert to conduct Ph.D computer Engg interview at SVKM's NMIMS- Mukesh Patel SoTMEngineering for Ph.D Engg 27Apr19	Expert	SVKM's NMIMS- Mukesh Patel SoTMEngineering, Vile Parle	2018-19	Dr. Satishkumar Varma
3	Department Advisory Board (DAB) at SVKM's NMIMS	Department Advisory Board Member	SVKM's NMIMS- Mukesh Patel SoTMEngineering, Vile Parle	2018-19	Dr. Satishkumar Varma
4	Final Round - Avishkar District / Zonal Level competition - Final Round	Certificate of Merit at district level as Guide in PG Level Jan 2019	Avishkar Research Convention : 2018-19, University of Mumbai	2018-19	Dr. Satishkumar Varma
5	Avishkar District /Zonal Level competition - First Round	Certificate of Merit at district level as Guide in PG Level Dec 2018	Avishkar Research Convention : 2018-19, University of Mumbai	2018-19	Dr. Satishkumar Varma
6	IEEE Punecon 2018: IEEE Pune Section Conference 2018	Conference Reviewer	Symbiosis Institute of Technology, Pune, India, November 30-December 2, 2018	2018-19	Dr. Satishkumar Varma
7	LIC Committee Member - First Time Recognition for Ph.D in IT 18-19	Local Inquiry Committee Member	FAMT, University of Mumbai	2018-19	Dr. Satishkumar Varma
8	Post Graduate	PG Examination	SAVITRIBAI PHULE	2018-19	Dr.

	Examination	Panel Member	PUNE UNIVERSITY, Pune		Satishkumar Varma
9	Reviewer in ICNTE 2019	International Conference Reviewer	Fr. C. Rodrigues Institute of Technology, Vashi (India)	2018-19	Dr. Satishkumar Varma
10	Techno-societal International Conference	International Conference Session Chair	SVERI, Pandharpur	2018-19	Dr. Satishkumar Varma
11	MahaTPO E-Summit	Organizing Committee Member	MahaTPO, e-Keeda and PCE New Panvel	2018-19	Dr. Prashant Lokhande
12	Reviewer for conference papers, poster presentation CTFC 2019	Conference Reviewer	PCE Panvel	2018-19	Gayatri Hegde
13	NPTEL online course on Data Mining	NPTEL online certification, Elite grade	IIT, Kharagpur	2018-19	Vivitha
14	NPTEL online course on Data Mining	NPTEL online certification, Elite grade	IIT, Kharagpur	2018-19	Saumya
15	NPTEL Online Certification Course	Elite Grade in NPTEL Online Certification	IIT, Roorkee	2018-19	Teena James
16	NPTEL Online Certification Course	Elite Grade in NPTEL Online Certification	IIT, Kharakpur	2018-19	Teena James
17	NPTEL Online Certification Course "Effective Engineering Teaching in Practice "	Elite + Silver Grade in NPTEL Online Certification	IIT, Madras	2018-19	Teena A J
18	Project Competition April 2019 ( GR2 )	Appreciation as Mentor/Guide	PCE Panvel	2018-19	Rakhi Mulay
19	NPTEL Online Certification Course	Top Performing Mentor	IIT, Madras	2018-19	Dhiraj Amin
20	Project Competition April 2019 (GR10 )	Appreciation as Mentor/Guide	PCE Panvel	<b>2018-19</b>	Prakash Bhise

**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 participate	Number of students participated
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				<b>d in such activities</b>	<b>in such activities</b>
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 Empowerment	Mahatma Education Society	2018-19		143
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 Donation camp	Mahatma Education Society	2018-19	5	140
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 panvel	FE Natures Club	2018-19	600
2	Marathon to Kill ill of illiteracy	MES Pillai	Marathon 2019	2018-19	431
3	National Technology Day	PCE, New panvel	11th may 2018	2018-19	142
4	Women's Day celebration	ETSA Student Council		2018-19	40
5	K12 at Nagarpalika School, Takka	ISHARE		2018-19	17
6	Anubhav	PCE, New Panvel		2018-19	1200
7	Handling emergencies	PCE, New Panvel		2018-19	90

	and First aid Techniques				
8	K12 at Z P School , Vichumbe	ISHARE		2018-19	24
9	K12 at Bhatia Vidyamandir	ISHARE		2018-19	30
10	K12 Nagarpalika school , Podi	ISHARE		2018-19	24
11	Blood Donation Camp	Social Club		2018-19	
12	Uberang	Mahatma Education Society		2018-19	32
13	Community Service Day	Mahatma Education Society		2018-19	156
14	International Women's Day	Mahatma Education Society		2018-19	120
15	Building Resilience - A key to Women Empowerment	Mahatma Education Society		2018-19	143
16	Hackathon ( Odd sem)	Mahatma Education Society		2018-19	17
17	Hackathon	Mahatma Education Society		2018-19	36
18	Deep Blue	Mahatma Education Society		2018-19	36
19	Jumble Sale	Mahatma Education Society		2018-19	600
20	Anti Narcotics Campaign	Mahatma Education Society		2018-19	150
21	Garage Sale	Mahatma Education Society		2018-19	250
22	National Calamity Fund (Kerala )	Mahatma Education Society		2018-19	175
23	Maharashtra day	Mahatma Education Society		2018-19	25
24	Marathi Bhasha Diwas	Mahatma Education Society		2018-19	29
25	Shivaji Jayanti	Mahatma Education Society		2018-19	550
26	Republic Day	Mahatma Education Society		2018-19	120
27	Teacher's Day	Mahatma Education Society		2018-19	550

28	Panvel Gadhi river clean up drive	Mahatma Education Society		2018-19	10
29	Basic workshop on positive thinking	Mahatma Education Society		2018-19	15
30	Slum childrens' educational tour	Mahatma Education Society		2018-19	10
31	Blood Donation camp	Mahatma Education Society		2018-19	140

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

SN	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	2018-19	11 June to 4 July 2018	Air India, Santacruz	
2	Internship	Air India, Santacruz Kalina 022-26265555	2018-19	10 June to 5 July 2018.	Air India, Santacruz	
3	Research	PICT, Pune	2018-19	Jan 2018-till Date	Sponsorship for Ph.D	
4	ON-the-job training	Organised by IIT Bombay Attended at PCE New Panvel	2018-19	17th May 2018 to 27th June. 2018	Mentoring Educators in Educational Technology - FDP301x	
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	L&T Infotech,MAHAPE,Nav i mumbai	2018-19	6 June to 8 July 2018	L&T Infotech	
9	Internship	L&T business park TC-II tower B,Sakivihar Road Powai,Mumbai 400072	2018-19	5 June to 5 July 2018	L&T STEC JVC	



10	Internship	All in One CyberTeam pvt ltd	2018-19	25th Dec 2018 to 28 Jan 2019	Internship with All in One CyberTeam pvt ltd	
11	Internship	Ashgen Enterprise	2018-19	4 June to 4 August 2018	Internship with Ashgen Enterprise	
12	Internship	SBI,SMECC vashi Central facility building phase II sector II Vashi -022-27660010	2018-19	7 June to 6 July 2018	State Bank of India	
13	Industrial visit	CSI Industrial Visit	CSI Industrial Visit	2018-19	28th to 2th March 2019	

**36. Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc.:**

SN	Organisati on with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Durat ion	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 Extendable 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 voice	Access	2018-19	05 years	1. Internships for	internship	

	and data	Telematic System, Mumbai			students, 2 Development of projects, 3.Live projects at client locations,4. Training and workshops.	for 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	
8	Rightsol PTE.LTD.	Rightsol PTE.LTD.Reg No.20190772 6D,51 GOLDHILL PLAZA #07-10/11 Singapore(30 8900)	2018-19	01 Year	Training Sessions,conduct Hackathons,Workshops seminars for students and Faculty	Software to college(includes courses compilers and learning materials via Web Android and ios platform	

### 37. Details of departmental infrastructural & other facilities: (Criteria 4)

- Departmental Library (books, journals etc.) : Yes
- Computers and Internet facilities for staff : 13 with Internet Facility 250 Mbps
- Total number of class rooms : 06
- Class rooms with ICT facility : 06
- Students' laboratory : 10
- Research laboratories : 01
- Seminar Hall : 01
- Smart class room : 01
- Any other facility LCDs, : Portable Projector 02

### 38. Student – Computer ratio:

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
434	233	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	<a href="https://www.youtube.com/watch?v=LwoUxPYVZh4&amp;feature=youtu.be">https://www.youtube.com/watch?v=LwoUxPYVZh4&amp;feature=youtu.be</a>
	<a href="https://www.youtube.com/watch?v=UGWoE-IN5cw&amp;feature=youtu.be">https://www.youtube.com/watch?v=UGWoE-IN5cw&amp;feature=youtu.be</a>
Screencast ( Narrated video recording of the computer screen)	<a href="https://www.youtube.com/watch?v=_cb5-ugFXnI&amp;feature=youtu.be">https://www.youtube.com/watch?v=_cb5-ugFXnI&amp;feature=youtu.be</a>

**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 by scholarships and freeships provided by the Government:**

Name of the scheme	Number of students benefited by government scheme ( Scholarships)	Number of students benefited by government scheme (freeships)	State Minority Scholarship	Merit Cum-Means Scholarship
VJNT	02	Data not available		
OBC	38	Data not available		
SBC	05	Data not available		
SC	08	Data not available		
EBC	76	Data not available		

**42. Total number of students benefited by 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	8
ME SCHOLARSHIP	4
FINANCIAL HARDSHIP	1
ACADEMIC ADVANCE SCHEME	126
<b>TOTAL STUDENTS BENEFITED</b>	<b>139</b>

**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	Prof. Aju P. Prof. Mansi K. Prof. Shubhangi C. Prof Apeksha C. Prof. Lily. P
Bridge Courses	2018-19	35	Prof. Mimi Cherian <a href="mailto:mcherian@student.mes.ac">mcherian@student.mes.ac</a> .
		25	Prof. Dhiraj Amin amindhiraj@mes.ac.inP

**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
107	425

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

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

**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
3	Atos Syntel, 4, Santacruz Electronic Export Processing Zone, Andheri East, Mumbai, Maharashtra 400047	3.1L	IT
4	Cognizant, Midc Indl Area, bldg no 5&6, Airoli, Navi Mumbai, Maharashtra 400708	3.38L	IT
2	GEP, Belapur, 61372100	5L	IT
1	Headstrait Software, 604 Jay Antriksh, Makwana Rd, Marol, Andheri East, Mumbai, Maharashtra 400059	6L	IT
1	HFFC, Shop No 114, Prajapati Arcade, Sector 15A,, PlotNo 22and 23,, New Panvel, Navi Mumbai, Maharashtra 410206	3.55L	IT
3	IFI Tech Solutions, Andheri West	2.5L	IT
6	LTI Ballard Estate, Mumbai 67525656	3.18L	IT
4	Majesco Mahape, 61501800	3.75L	IT
1	NIKTECH	3.6L	IT
2	Qspider, Andheri East , 7028350006	2.5L	IT
5	Reliance Jio, Navi Mumbai	3.29L	IT
3	Reliance Retail, Ghansoli, 44775000	3.1L	IT
1	Sankey Solutions, Wagle Estate, Thane, Maharashtra 400604	1.8L	IT
1	Sogo Survet (ZARCA )	3.75L	IT
6	Sutherland Global, Airoli, Navi Mumbai, Maharashtra 400708 022 4183 7884	2.5L	IT
5	TCS, Thane West, 67782000, caree@tcs.com	3.36L	IT
1	Ugam Solutions, Prism Tower, Mumbai, Maharashtra 022 6652 7300	2.5L	IT

**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
1	BE	IT		

**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):**

Number of students selected/ qualifying									State government examination
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/ IELTS	Civil Services	
360124							Shruti Krishan		

**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	Adhaar Number/Admission Number
Winner Of University Inter Collegiate Level In Chess Competition	National	Sports	Sarvesh Makane	1	2018PE0384
Selected As A National Player For Basketball Competition On National Level	National	Sports	Neha Sahu	1	2017PE0206
Secured 5th Position In University Inter Collegiate Level In Chess Competition	National	Sports	Sarvesh Makane	1	2018PE0384

**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**

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	
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

## NON FINANCIAL DETAILS

Sr. No	Date	Title	Speaker
1	23/2, 24/2 & 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 & 16/3/2019	" Internet of Things "	Mimi Cherian
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
10	10/3/2018	Basic Concepts Of Database	Shubhangi Chavan, Manasi kulkarni
11	8/3/2018	Women's Day Celebration	Apeksha Chavan
12	13/3,15/3 & 23/2018	Matlab Workshop	Dinesh Tiwari
13	2/8 & 9/8/2018	LaTeX workshop	Ms. Ruchira Patole
14	4/9/2018	Arduino	Ms. Aboli Khedkar
15	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)
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1	Dr. Satishkumar L Varma	ACCPV0879J		CSI membership fees	1840
2	MIMI MIRIAM CHERIAN	AMBPC5799B	Sixth International Symposium on Security in Computing and Communications (SSCC'18)		4500
3	Dhiraj Amin	AQBPA3365K	Smart India Hackathon(SIH) 2018-19,Guwahati		11594
4	Jinesh Melvin	ATZPJ2999R	Smart India Hackathon(SIH) 2018-19, Kerala		1330
5	Ajju Palleri	BBKPP8572Q	Smart India Hackathon(SIH) 2018-19,Amritsar		5095

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

SR. 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 (Nonteaching staff)
1		"Koha and Library Automation"		12th October 2018		39
2	One day workshop on Machine learning by Mr. Dhiraj Amin & Dr. Priam Pillai		8 Jan 2019		29	
3	1 day workshop on Moodle by IITB under NMEICT		14th March 2019		50	
4		KOHA Workshop for Librarians and System Administrators		09th March 2019		10
5	1 day workshop on "Scilab" by IITB under NMEICT				1	
6	Workshop on "Building Resilience - A key		6th March 2019		50	

to Women Empowerment" by Ms. Nisha Chandak ,Transformation Coach and NLP Trainer, MD, Purplotus Pvt. Ltd. " on account of International Women's Day celebration					
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**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)
1	Nptel Certification on Business Analytics and data modeling using R part II	Sep 2018
1	Orientation on Database Mining and Business Intelligence	09/01/2019
1	Orientation on Advance Internet Programming	10/01/2019
1	Orientation on Internet of Things Lab	06/07/2018
1	Orientation on Theory of Computer Science	13/07/2018
1	Orientation program on software Engineering	11/01/2019
1	FDP301x" Mentoring Educators in Educational Technology"	17 May 2018 to July 2018
4	Attended one day workshop at PCE, New panvel on Moodle on 15 March 2019 conducted by MHRDIITB	15 March 2019

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.Harshal Lamba	1,03,500	Workshop on Data science & Machine learning

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

Sn	Name of quality initiative by Department	Date of conducting activity
<b>A</b>	<b>Accreditation related Initiatives</b>	
1	NAAC SSR preparation	July 2018
2	ISO certification	April 2019
3	AAA	May 2019
<b>B</b>	<b>Academic Initiatives to enhance teaching learning</b>	
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 Education	October 25th, 2018 to December 6th, 2018
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
<b>C</b>	<b>Research Initiatives</b>	
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
<b>D</b>	<b>Industry Institute Interaction Initiative</b>	
1	MOU signed with IEOT ONGC, Govt.of India	2018-19
2	MOU signed with Indian institute of Packaging IIP,Ministry of Commerce,Govt.of India	2018-19
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
<b>E</b>	<b>Employability enhancement Initiative</b>	
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 Fair	2018-19

7	JOB Fair	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
	2	International Women's Day
	3	Building Resilience - A key to Women Empowerment
	4	Hackathon ( Odd sem)
	5	Hackathon
	6	Girls in Tech
	7	Selection of Project Groups
	8	Deep Blue
2017-2018	1	Selection of Project Groups
	2	Deep Blue
	3	Hackathon
	4	Women's Day Celebration
	5	Self Defence Workshop(Karate Program)
2016-2017	1	Selection of Project Groups
	2	Women's Day Celebration
2015-2016	1	Selection of Project Groups
2014-2015	1	Selection of Project Groups

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

**PBL TOPICS: SE IT SEM III**

Sr. No.	PBL Project title	Abstract
1	Society Management System	The software system can store the data of various flat owners and their family members,visiting servants along with their images. The system also maintains and calculates the society maintenance, cultural funds, emergency funds and other charges and adds them automatically in individual flat bill. The system needs an administrator to input various flat owner data and billing amounts into it. List of members with pending dues should be displayed, also the interest to be paid on pending amount should be added to the monthly bill.
2	I card generation for different events in College	The software should be able to generate ID cards for various events that are held in PCE. Generate different templates(should contain College name ,address and Logo) that can be used for different events. Generation of ID card should contain the following information 1. Name of Candidate 2. Photo. 3. Name of Event 4. Event Date. Details of the events and registered should be stored and fetched from the database.
3	Inventory management system for College office stationeries	The software should be able to accept requests from staff and other college employee for stationeries. Provide dropdown for selection of stationary item and its quantity. The administrator should be able to view summarized request from staff. While the items are issued, the details(item,quantity,date) should be entered in the software. On selection of staff it should list the items issued to him/her.
4	Employee Leave Management System for department in college	The Leave Management System will allow the faculty of college to apply leave through their system. Faculty will be able to see their current leave balance and will have the option of applying leave. Once the faculty applies for leave ,then his/her leave balance will be deducted. HOD of department will be able to see the details of faculty who are on leave today. Faculty window will allow faculty to apply for leave and check leave balance and data will be maintained in database. The HOD window will allow the HOD to check list of faculty who are on leave on the given day.
5	Faculty finder in college	The software should store the list of faculty, seating location, extension number,office hours and time-table of the faculty. The software should be able to select a faculty based on department and name of faculty, display details of the faculty along with the current location(classroom/ lab/ seating room).
6	Tax Calculation through form 16	Form 16 is essentially a certificate employer issue their employees. It validates the fact that TDS has been deducted and deposited with the authorities on behalf of the employee. Create



		forms to enter details from form 16 and store it in database. Calculate total tax payable/refund. Research for tax slabs and exemptions from ITR website.
7	Hotel Management System	A hotel system manages information about rooms, reservations, customers, and customer billing. A clerk makes reservations, he/she needs to check if a room the customer want to reserve is available. If a room is available, the clerk enters customers's information into the system. A clerk checks in a customer, change the checkout date, and check out the customer. A room is assigned to the customer at check-in time and a customer billing record is created at that time. The customer billing record is updated every day. When a customer checks out, the clerk prints the bill. A customer can pay by cash,debit, credit card when he/she checks out.

#### PBL TOPICS: SE IT SEM IV

Sr. No.	PBL Project title	Abstract
1	Machine Learning - Predicting election on the basis of news	Several studies have shown how to approximately predict public opinion, such as in political elections, by analyzing user activities in blogging platforms and on-line social networks. The task is challenging for several reasons. Sample bias and automatic understanding of textual content are two of several non trivial issues. machine learning approach can learn correction factors for those indicators.
2	Ambulance services	Ambulance services are important for Health & Medical facilities. Requirement is to build a mobile app similar to Ola / Uber cab services. But it will be for Ambulance services. This app will have Ambulance driver's register their availability and location. Both Executive at Emergency Helpline and User's on the other hand on App's Client interface will book an ambulance. This will promise a fast and reliable ambulance service in case of emergency.
3	Web Scraping	Web Scraping (also termed Screen Scraping, Web Data Extraction, Web Harvesting etc.) is a technique employed to extract large amounts of data from websites whereby the data is extracted and saved to a local file in your computer or to a database
4	Alegria event manager app	We intend to create a mobile application that will keep track of all the events that are present in Alegria. The application will have 2 modes: User and Administrator. The Administrator mode will allow the admin to add or remove events or competitions from the database and monitor the details of the participants who are taking part in the events. The user mode will allow the users to enroll themselves for different competitions throughout Alegria and book passes for the events that

		are conducted. When a pass is booked a Coupon Code will be received by the user. The user can tell this code at the pass counter and get the physical pass
5	Vulnerability Detection Tool	Vulnerability Assessment is the process of locating and reporting vulnerabilities, which provide a way to detect and resolve security problems by ranking the vulnerabilities before someone or something can exploit them. It is very important for a developer as it is for the security of application users. In the vulnerability assessment process, there are mainly two stages known as Information gathering and Vulnerability Detection. Information gathering includes obtaining as much information about the environment such as Networks, IP Address, Operating System Version, etc. In Vulnerability detection process, vulnerability scanners are used, it will scan the environment and will identify the vulnerabilities.
6	Create a web portal for conference management system	Conference management system is a portal that is flexible, easy to use, and has many features to make it suitable for various conference models. It can be probably used by all conference system.

**PBL TOPICS: SE IT SEM V**

SN	Project Title	Abstract
1	Loan Prediction	In India, getting a loan is a very tiring and complicated process as it may take weeks even months for loan approval and people need to visit the loan office repeatedly for document and verification. This system is designed to automate the loan process from both, bankers as well as customer's side. Here customers get information about various loans provided along with rate of interest and required documents. Once the customer fills basic enquiry form, it reaches the bank server and he gets a login id password. The server administrator now can check it and decide whether to approve or reject the candidate. If he decides to approve, the banker may select to send customer to next stage. Now the customer gets stage 1 approval and needs to upload his scanned documents to the site through his login. Once the documents are submitted, they are cross verified at the server and reply is sent to server. The system server also gets the person location and his image secretly by tracking the computer through which he submits documents to the bank server needed for bank verification. The bank may now cross verify customer details and request extra documents by sending online alerts to the customer email. The customer just needs to upload needed documents online and can track loan status. Once the loan is approved,

		candidate receives an sms message, confirming the process.
2	Find my food	A web application which will guide food lovers where they can get their food , which they like the most based on the community and like minded food lovers in their nearby areas.
2	Mess Food Wastage Saver	<p>Problem Statement: Minimize the amount of food wasted by estimating the appropriate amount of raw food materials required for each meal that is served in a mess. Predicting the quantity of raw food to be used per meal is a problem for mess in-charges. If they use too much, a lot is wasted and if they use too less, students go hungry. At any instant, the number of students present in the hostel can be known by the data provided by the ID card scanner at the only entry/exit gate to the hostel. Given the number students present in the hostel before a meal preparation starts and the current day's status (date, season, special events), estimate the amount of raw food materials required for cooking for that very meal. The system should be able to refine the estimates based on the available historical data. Dataset: The following databases are used: i. Menu DB: A database of menu items with their per person raw food material requirements, such as vegetables, grains, fruits etc. ii. Weekly menu planner – a 7 by 3 matrix (Breakfast (B), Lunch (L), Dinner (D) for each day of the week) containing the menu items planned for each day-meal combination. iii. One year historical data for each meal containing date, meal type (B,L,D), season, special occasion (such as festival, event, exam time etc), number of students who dined in the meal, number of students present in the hotel before the meal.</p>
3	Portal for trek mates	A web portal which will provide trekkers with different trek options and itinerary where the organisers who are carrying out trek can post the itinerary of the trek and provide other features for trekkers
3	Online website for book descriptions, their reviews and ratings	This website provides the readers various categories from which they can select one and then the book they want to read. They will be provided with all the book reviews from other readers who have already read them along with a short description about the books and also the books' ratings thus helping the readers to decide to read the book of their choice.
4	Portal for trek mates	Application for mapping of trekking routes in the Himalayas giving details of accommodation facilities, banks, hospitals, eateries, real-time information on weather and other relevant information required for trekkers.

4	Campus Recruitment System	<p>This college campus recruitment system provides options like student login, company login and an admin login. This software system provides an option to the students to create their profiles and upload all their details including their marks onto the system. The admin can check each student details and can remove faulty accounts. The system also consists of a company login where various companies visiting the college can view a list of students in that college and their respective resumes. The software system allows students to view a list of companies who have posted for vacancy. The admin has overall rights over the system and can moderate and delete any details not pertaining to college placement rules. The project is beneficial for college students, various companies visiting the campus for recruitment and even the college placement officer. The system handles student as well as company data and efficiently displays all this data to respective sides.</p>
5	Find the law and rights	<p>In the past people have been enforced or misinformed about their rights. This web application aims to help citizens in our country to know their rights. It requires user to search for the related query whenever he doubts that his rights are being violated and the information about the related query will be displayed. The information displayed is obtained from verified sources. If any user wants to share his input he will have to register in the portal. In google maps area specific laws will help users to know their rights.</p>
5	Parking System Portal	<p>Transportation is an essential need for many people to go to their work, school, and home. In particular, the main common method inside many cities is to drive the car. Driving a car can be an easy job to reach the destination and load all the stuff in a reasonable time. However, deciding to find a parking lot for a car can take a long time using the traditional system that can issue a paper ticket for each customer. This system provides a flexible management system for both parking owner and customers by receiving all request via the online system and it gets an accurate result for all available parking and its location</p>
6	Advertising Management Portal	<p>Advertising simply put is telling and selling the product. Advertising Management though is a complex process of employing various media to sell a product or service. This process begins quite early from the marketing research and encompasses the media campaigns that help sell the product. This website is based on concept of managing advertisements. It will help to find the advertisements of particular things in particular domain</p>

6	Web application for stock market dashboard	Many people invest in the stock market nowadays, there are many brokers giving mobile application for purchasing stocks online. These apps still lacks user friendly interface and does not provide and intelligent system to store and suggest user stock data. Web application will help the users to maintain their historical share purchase data and also give user news details about the given stock.
7	Crime Mapping	A technical solutions is required to create digital crime maps that can be generated in real time and get populated after every incident. The software can feed in GIS information of the place of occurrence along with other details and plot it on a map. A click on those points should give all details related to that particulars crime in the form of a pop up. This would greatly help in predictive analysis and enhance Police capabilities for providing a safe and secure environment for the people.
8	Travel information system	Web application for mapping wildlife sanctuaries / National Parks / Bird Sanctuaries with requisite useful for tourists.
9	Web Applications For Farmers	Unlike traditional commerce that is carried out physically with effort of a person to go & get products, ecommerce has made it easier for humans to reduce physical work and to save time. The main advantage of e-commerce over traditional commerce is the user can browse online shops, compare prices and order merchandise sitting at home on their device. The aim is to eliminate the middleman by directly connecting the buyer and seller.
10	Campus Recruitment System	This college campus recruitment system provides options like student login, company login and an admin login. This software system provides an option to the students to create their profiles and upload all their details including their marks onto the system. The admin can check each student details and can remove faulty accounts. The system also consists of a company login where various companies visiting the college can view a list of students in that college and their respective resumes. The software system allows students to view a list of companies who have posted for vacancy. The admin has overall rights over the system and can moderate and delete any details not pertaining to college placement rules. The project is beneficial for college students, various companies visiting the campus for recruitment and even the college placement officer. The system handles student as well as company data and efficiently displays all this data to respective sides.

11	Travel information useful for tourists	Wildlife is one of the important aspects of adventure tourism. The Ministry of Tourism is interested in showcasing the diversity of flora and fauna in India's National Parks / Wildlife sanctuaries / Bird Sanctuaries to both domestic and international travelers through a web application.
12	PCE Canteen Automation System	This system aims to automate the old canteen management system. The system will take orders through the website by admin login only. The placed orders will be sent to the concerned food counter by the system. At the same time the confirmed order's coupon will be printed for the customer. The systems at the respective counters will receive the confirmed order belonging to their category.
13	PCE tweet portal	A web application which will replicate twitter which is widely used to post tweets and messages around the world.
14	Weather monitoring	Using sensors like temperature sensor, humidity sensor, light sensor and rain level sensor and displays these weather parameters on LCD display. Then it sends these parameters to Internet using IOT techniques. The process of sending data to the internet using Wi-Fi is repeated after constant time intervals. Then the user needs to visit a particular website to view this data.
15	Air pollution monitoring	IOT Based Air Pollution Monitoring System in which we will monitor the Air Quality over a webserver using internet and will trigger an alarm when the air quality goes down beyond a certain level, means when there are sufficient amount of harmful gases are present in the air like CO <sub>2</sub> , smoke, alcohol, benzene and NH <sub>3</sub> . It will show the air quality in PPM on the LCD and as well as on webpage so that we can monitor it very easily.
16	Forest Fire Detection	Number of fire sensors are employed that needs to be placed at certain distances so that a look can be kept on the entire forest area. These fire sensors detect the area and if at times there is a fire, it will send the signal or the information to the microcontroller. The microcontroller also updates the information on the webpage and also sends a notification on the webpage through the GPRS module that is connected to the microcontroller. This information is sent to the internet by the network of IoT.
17	Smart Farming	In IoT-based smart farming, a system is built for monitoring the crop field with the help of sensors (light, humidity, temperature, soil moisture, etc.) and automating the irrigation system. The farmers can monitor the field conditions from anywhere. IoT-based smart farming is highly efficient when compared with the conventional approach.

**PBL TOPICS: SE IT SEM VI**

<b>Sr. No.</b>	<b>PBL Project title</b>	<b>Abstract</b>
1	Heart disease prediction using data mining	The healthcare industry collects large amounts of Healthcare data, but unfortunately not all the data are mined which is required for discovering hidden patterns and effective decision making. The Heart Disease Prediction application is an end user support and online consultation project. Here, we propose a web application that allows users to get instant guidance on their heart disease through an intelligent system online.
2	IMDB score analysis using data minings	Based on the massive movie information, it would be interesting to understand what are the important factors that make a movie more successful than others. So, we would like to analyze what kind of movies are more successful, in other words, get higher IMDB score. In this project, we take almost 300 movie data into consideration. We analyse all the attributes present and classify them using different classifiers to find out which classifier gives more accuracy and the best output."The results can help film companies to understand the secret of generating a commercial success movie.
3	Loan prediction using data mining tool (Orange Tool)	Loan prediction is a challenge as predicting who should get the loan is difficult. The idea is to develop a smart application which will predict who should get the load based on previous data of the loan takers. We are applying various classification techniques to classify who should get the loan and who shouldn't get the loan it will help banks and loan company to give loan.
4	Marathon Tracker	Marathon tracker is a system that tracks a runners marathon path to detect whether the runner completes the given path and does not try to cheat and cut down his path. This system works on checkpoints, wherein several checkpoints are held in different locations of the path. If the runner passes all the checkpoints coming in the path, it means the user has run the entire track. Hence, it helps to detect whether the runners have completed the entire track or not.
5	Football Player Market Value Prediction	Football player market value determines how much a club pays in order to have a player to sign a contract with the club. The value of a player is determined by the attributes of that player. We propose a system to use machine learning algorithms to predict the market value of that player. This helps in clubs to understand the value of a player based on his attributes alone and not the market sentiment. The club can further choose at what price it must start negotiating using the system to sign the player for the amount he is worth
6	Mountain Sharp Turns Accident Preventer	This system helps prevent accidents on sharp turns of a mountain. If two vehicles are approaching from the opposite side on a sharp but blind curve, there's a high chance of an accident occurring at the turn. This system helps both the drivers by notifying them about an

		approaching vehicle on the opposite side of mountain, via a signal.
7	Wine Quality Analysis using Orange Tool	Nowadays, industries are using product quality certifications to promote their products. This is a time taking process and requires the assessment given by human experts which makes this process very expensive. Wine Quality analysis is done to understand the characteristics of wine and find ingredients contributing more for the quality. This proves that better prediction can be made if selected features are being considered rather than considering all the features.
8	Movie Success Predictor	Predicting the success of a movie before its release has far been a huge point of concern for directors and producers alike, especially after they factor in real world data and the occurrence of unforeseen circumstances. Since these entities invest massively in movies, they need some kind of reassurance that the movie will be successful and reap in massive profits in terms of financial returns and credibility. In this paper, we talk about a prediction engine we have implemented that uses classification and fuzzy logic to categorize a movie as successful or not as well as using our own algorithm to calculate a target variable.
9	Sentiment analysis for Trending YouTube Videos	YouTube (the world-famous video sharing website) maintains a list of the top trending videos on the platform. To determine the year's top-trending videos, YouTube uses a combination of factors including measuring user interactions such as number of views, shares, comments and likes. This dataset is a daily record of the top trending YouTube videos in India. Based on the massive video information, it would be interesting to understand what are the important factors that make a YouTube Video more popular than others. So we would like to analyze what kind of videos are more successful, in other words retrieve comment sentiments of YouTube videos. In this project, we take almost 500 video data into consideration. We analyse all the attributes present and classify them using different classifiers to find out which classifier gives more accuracy and the best output. The result is a source through which useful data may be achieved for many applications such as comment filtering, personal recommendation and user profiling.
10	Predicting Survival of Titanic passengers using data mining	The sinking of the RMS Titanic caused the death of thousands of passengers and crew is one of the deadliest maritime disasters in history. One of the reasons that the shipwreck led to such loss of life was that there were not enough lifeboats for the passengers and crew. The interesting observation which comes out from the sinking is that some people were more likely to survive than others, like women, children were the one who got the priority to rescue. The objective is to first explore hidden or previously unknown information by applying exploratory data analytics on available dataset and then apply different machine learning models to complete the analysis of what sorts of people were likely to survive. After this the results of applying machine learning models are compared and analyzed on the basis of accuracy.
11	Diabetes disease Prediction	Data mining techniques are used to find interesting patterns for medical diagnosis and treatment. Diabetes is a group of metabolic disease in



		which there are high blood sugar levels over a prolonged period. This paper concentrates on the overall literature survey related to various data mining techniques for predicting diabetes. This would help the researchers to know various data mining algorithms and methods for the prediction of diabetes mellitus.
12	Loan Prediction using RapidMiner	Financial companies who have interests in personal loans face risk from customers who default. With the advent of predictive analytics, the risk to the company can be reduced by being able to predict the outcome of these loans. The personal data collected by the companies during loan applications is a goldmine of information. Mining the data to create powerful features which are able to predict the loan outcome, can prevent write offs for lenders. This increases profitability and can help maintain a healthy lending market. With the data, the interest rate and loan grade prediction can be useful to businesses as well. This allows for faster processing of loans for the customers and lenders.
13	Zoo animal classification using Data mining tool	There are a lot of ways that data insights can help zoos and aquariums make better decisions for long-term animal health and survival. For example, how will you know if the new animal you just acquired is healthy? What medicines are best to use to treat a sick animal? What is the right age for an animal to breed? What are the right conditions for breeding to take place?The purpose for this dataset is to be able to predict the classification of animals, based upon the variables.
14	Spam ham detection using Orange Tool	Classification of emails in text format into spam or ham using machine learning algorithm. Spam: The use of electronic messaging systems to send unsolicited bulk messages, especially advertising, indiscriminately. Ham: E-mail that is generally desired and isn't considered spam.
15	Analysis of car data set	In real life we can find many cars of different companies . many people not familiar with their safety services and which company provides better services.In same buying range.our dataset provide customers which car is best as per their requirements.The purpose of this dataset is to be able to predict the classification of cars, based upon the variables.
16	Intrusion detection system	As we know, the security of the city is very important so, we place sensor to each side of the city. If any intruder detected by the sensor then sensor will report to the centre station
17	Analysis of Smokers Dataset	This dataset consists of types of Smokers. To describe the smokers there are various traits. There are many types of Smokers on the basis of staff group and Smoking Category. The purpose of this dataset is to be able to predict the classification of the Smokers, based upon the variables.
18	House price prediction	Customers in which number of parameters can be considered to predict the price of desired house. So here we are using data mining tool to get the preview of house price.

**61. Details of the final year project:**

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Title of the Project</b>	<b>Name of the Supervisor/ Guide</b>
I 1	1 Vrutant Mehta	IoT based system for Women and Children's Safety	Prof. Rupali Nikhare
	2 Shrayesh Kanade		
	3 Priyanka Borse		
	4 Siddhi Morajkar		
I 2	1 Vaishnavi Bansod	Advanced Soil fertigation system for desired crop using IOT with machine learning	Prof. Prakash B
	2 Athira Rajesh		
	3 Mansi Gawand		
	4 Apurva Dalvi		
I 3	1 Rohan Londhe	Automated Detection of Cyberbullying on multilingual OSNs( English +Hindi )	Dr. Sharvari Govilkar
	2 Raghav Mishra		
	3 Prafulla Mhatre		
	4 Fatima Khan		
I 4	1 Nithik Pradeep	CV based employability Prediction using Machine Learning	Prof Shubhangi Rathod
	2 Manivel Chettiyar		
	3 Alam Ansari		
	4 Alwin Alex		
I 5	1 Akanksha Pandey	GPS-based Dengue Risk Index	Prof. Amol Kharat
	2 Deepansh Chaturvedi		
	3 Rohan Karkera		
	4 Anagha Suresh		
I 6	1 Mrudul Bornare	Real time OSN Analysis for detection of terrorism Activity	Prof. Manasi Kulkarni
	2 Tasneem Attarwala		
	3 Ayuf Akula		
	4 Riya Jadhav		
I 7	1 Animesh Amit Oze	Design map based UI( Web user) for Mumbai Dabbavalas with localization feature	Prof. Sushopti Gawade
	2 shubham Gopal Matwandkar		
	3 Pranav Narendra Parab		
	4 Mayur Sunil Nagare		
I 8	1 Voval Jain	A chat bot based question answering system	Prof Shubhangi Rathod
	2 Prashant Niladhe		
	3 Giridhar Srinivasan		
	4 Deven Kanse		
	5 Vishal Gupta		
I 9	1 Shruti Nair	Detection of fraudulent advertisement on e-commerce platform	Prof. Rupali Nikhare
	2 Kajal Hajare		
	3 Simran Kaur Bhatti		
	4 Pooja Revnnath Gire		
I 10	1 Komal Bisht	Detecting Intrusion in network using Machine Learning	Prof. Gaurav Sharma
	2 Sourav Dubey		
	3 Ritik Kalivda		
	4 Shubham Shinde		

I 11	1	Akshada Dattatray Mali	Secure File Storage On Cloud Using Hybrid Cryptography	Prof. Sujit Tilak
	2	Sakshi Naik		
	3	Priyanka nambiar		
	4	Darshana nair		
I 12	1	Amruta Anil Salvi	Mobile App for Stress Detection and Mental Health	Prof. K. S. Charumathi
	2	Shruti Sunil Pawar		
	3	Khan Shifa Ahmed Ali		
	4	Neha Vijay Gawand		
I 13	1	Tanmay Gajbhiye	Scalable tracking system for public buses .	Prof. Payel Thakur
	2	Anagha Koroth		
	3	Sarvesh Pandey		
	4	Vishal Shrivastava		
I 14	1	Nikhil Elayath	ECG-based Heartbeat Classification	Dr. Satishkumar Varma
	2	Shashank Nair		
	3	Hari V		
	4	Ashwin Nair		
I 15	1	Tanmay Gurao	Designing reporting tool for Result analysis system	Dr. Prashant N.
	2	Dhrumil Kalyani		
	3	Jyotsna Dangat		
	4	Vrushali Patil		
I 16	1	Suraj Mandal	Android based attendance monitoring system	Dr. Prashant N.
	2	Ashish Panda		
	3	Saif Khan		
	4	Gaurav Mukadam		
I 17	1	Rohit Semwal	Circular Queue Encryption Algorithm over Encrypted Cloud	Prof. K. Suresh Babu
	2	Ayush Shetty		
	3	Shrikant Swamy		
	4	Rohit Kasudre		
	5	Sujay Patil		
I 18	1	Ashwin Vishesh	Face Detection using Machine Learning on Android	Dr. Satishkumar Varma
	2	Athira Pillai		
	3	Vishnu K		
	4	Mohit D		
I 19	1	Apurva Ashutosh Patil	Real time monitoring through object detection for automated car	Prof. Varunakshi Bhojane
	2	Sumesh Suresh Shetty		
	3	Aditi Anil Sharma		
	4	Atul Pradeep Patil		
I 20	1	Steven Paul	Predicting customer behaviour in online shopping using SVM classifier	Dr. Dipti Patil
	2	Omkar Yeware		
	3	Gokul P		
	4	Akash Gopinath		
I 21	1	Mohit A Rai	Real Time Road Traffic Event Detection Using Twitter	Prof. Sagar Kulkarni
	2	Sumod Menon		
	3	Devbrat Singh		
	4	Riya Sawant		

I 22	1	Ayush R Shetty	IOT based portable smart fingerprint and facial recognition lock	Prof. Payel Thakur
	2	Shubham Gangaram Shinde		
	3	Onkar Anil Pokharkar		
	4	Manthan Parvadia		
I 23	1	Kritika Shah	Automatic Plant Watering System using IoT	Prof Gayatri Hegde
	2	Saylee Pawar		
	3	Gourav Prajapati		
	4	Shivam Upadhyaya		
I24	1	Hrishikesh Mahesh Joshi	Online Counselling	Prof. Ranjita Gaonkar
	2	Simmi Singh		
	3	Vidhi Rajput		
	4	Udhay Jaykumaran		
I 25	1	Ankita Arun More	Text Document Clustering Using Latent Semantic Indexing	Dr. Satishkumar Varma
	2	Mayur Arun Walshinge		
	3	Ameya Shivaji Pokharkar		
	4	Aditya Narayan Sawant		
I 26	1	Sanket Mahadev Thorat	OSN based federated identity management system	Prof. K.S.Charumathi
	2	Suraj Krishan Yadav		
	3	Megha Arun Sawardekar		
	4	Kaushik Rane		
I 27	1	Divyesh Rajput	Regression based Crop Yield estimation for districts in Maharashtra	Prof. Sushopti G
	2	Birjees Shabbir Patel		
	3	Rushikesh Chandrakant Pawar		
	4	Sudhanshu Singh		
I 28	1	Rohan Vengurlekar	Profile cloning detection	Prof. Rakhi M
	2	Akshay Advilkar		
	3	Rushab Mitapelli		
	4	Onkar Ukirde		
I29	1	Manali Anil Thombare	Employee tracking and Attendance generating system using RFID	Prof. Krishna N.
	2	Priya Vinod Rajput		
	3	Laxmi Tanavarappu S Rao		
	4	Sofiya Narayan Rao		
I 30	1	Shruthi Krishnan	Technology enabled teacher training for low-literate, remote and rural multi-grade education centers	Prof. Aju P.
	2	Pravin Balasaheb Tambe		
	3	Anushka Karekadan		
	4	Pooja Ganpat Fadale		
I 31	1	Jayesh Thakur	Sentiment analysis Based on Comments from Online Social Network	Prof. Deepti Lawand
	2	Vedant Patil		
	3	Priyesh Patil		
	4	Kapildev Yadav		
I32	1	Kaustubh S Vaidya	Railway Ticket Booking System Using QR Codes	Prof. Rakhi M
	2	Ashutosh Shivaji Shinde		
	3	Neha Chandrakant Sathe		
	4	Simran Rakesh Singh		
I33	1	Aayushi C	Easy Manipulator for 3D models using smartphone interface	Prof. K. Suresh Babu
	2	Ayush Pillai		
	3	Samantha P		

	4	Vivek Balachandran		
I34	1	Sameer B Mhatre	IOT based energy monitoring system	Prof. Charumati K S
	2	Vishal Patil		
	3	Jaiprakash Nemichand Khichi		
	4	Chandan Choudhary		
I35	1	Pratik Pradeep Kadam	Detecting Flying Objects Using a Single Moving Camera	Prof Amol K
	2	Akanksha Prataprao Bhosale		
	3	Anuja Shivaji Jadhav		
	4	Sharvin Sunder Koli		
I36	1	Pravin Nevage	Web Based automated system for placement	Prof. Manjusha D
	2	Krushal Patil		
	3	Swapnil Sankpal		
	4	Nilesh Rathaur		

## 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.**

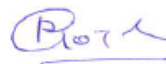


**Head of Department**

Dr. Satish Kumar Varma

(Department of Information Technology.)

  
S.M. Joshi

  
P.S. Goyal



  
Shamasa Govilkar

  
Manika Bhagwat

  
Pragatish

  
Sachin S. Wani