



**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
(2019-2020)
(Provide information for last A.Y. 2019-2020)**

- 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	N/A	-	-	-	-

- 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, Thesis Advisory Committee (TAC) for Ph.D. Scholars of Dr. Prachi Natu in Computer Engineering at Mukesh Patel School of Technology Management and Engineering (MPSTME), Vile Parle, Mumbai.	Not yet received
2	Dr. Satishkumar L. Varma	Member of NPTEL TRANSLATION: Shortlisted as NPTEL translator with ID Tran0608 (unique identification number), IITM, 19 May 2020.	Link
3	Dr. Satishkumar L. Varma	Member, Thesis Advisory Committee (TAC) for Ph.D. Scholars of Dr. Archana Bhise in Electronics Engineering at Mukesh Patel School of Technology Management and Engineering (MPSTME), Vile Parle, Mumbai.	Link
4	Dr. Satishkumar L. Varma	Member, Department Advisory Board (DAB), Department of Computer Engineering, Shah & Anchor Kutchhi Engineering College (SAKEC), Chembur, Mumbai on 29 February 2020.	Link
5	Dr. Satishkumar L. Varma	Member of Visiting Faculty at the School of Engineering and Applied Sciences, University of Mumbai, Kalyan for the Year 2019-2020.	Link
6	Dr. Satishkumar L. Varma	Member, Department Advisory Board (DAB), Department of Computer Engineering, at Mukesh Patel School of Technology Management and Engineering (MPSTME), Vile Parle, Mumbai on 7 September 2019.	Link
7	Dr. Satishkumar L. Varma	Session Chair in National e-Conference on “Emerging Trends in Artificial Intelligence and Big Data (ETAB-2020)” organised by Information Technology Department, Pune Institute of Computer Technology (PICT), Pune on 12th June, 2020.	Link
8	Dr. Satishkumar L. Varma	Reviewer for First International Conference on Automation, Computing and Communication (ICACC-2020) organized by RAIT Nerul on 3rd and 4th April 2020.	Not yet received
9	Dr. Satishkumar L. Varma	Reviewer in National e-Conference on “Emerging Trends in Artificial Intelligence and Big Data (ETAB-2020)” organised by Information Technology Department, Pune Institute of Computer Technology (PICT), Pune on 12th June, 2020.	Link
10	Dr. Satishkumar L. Varma	Reviewer in International Conference on Innovations in Computer, Electrical and Electronics Engineering (ICICEEE-2020), SKN Sinhgad College of Engineering, Korti, Pandharpur Pandharpur, India, January 2-4, 2020	Link

11	Dr. Satishkumar L. Varma	Expert talk on Report Writing Using LaTeX, Department of Mechanical Engineering and Automobile Engineering, PHCET, Rasayani, 29 June 2020.	Not yet received
12	Dr. Satishkumar L. Varma	Expert talk on Computer Vision for Ph.D students at Usha Mittal Institute of Technology, SNDT Women's University, Santacruz, Mumbai on 19 November 2019.	Link
13	Dr. Satishkumar L. Varma	Talk on "Python Programming on COLAB and its impact on Future Technologies," conducted by Department of Electronics and Telecommunication Engineering at DBIT Kurla on 27 September 2019.	Link
14	Dr. Satishkumar L. Varma	Talk on "Installation in Linux/Windows/Andorid/Mac", in a One Week Workshop on "Writing Documents in LaTeX" over Google Meet during 27th April to 1 May 2020.	Link
15	Dr. Satishkumar L. Varma	Talk on "Slides with LaTeX and Quiz/Assignment 5", in a One Week Workshop on "Writing Documents in LaTeX" over Google Meet during 27th April to 1 May 2020.	Link
16	Dr. Satishkumar L. Varma	Invited as subject expert to conduct orientation program on "Solt Computing (ITDLO7035)" organized for Final Year Sem-VII Information Technology (Department Level Elective) on behalf of the University of Mumbai, at Atharva College of Engineering, Malad (W) on 5 July 2019.	Link
17	Prof. Gayatri Hegde	Paper Setter under the scheme of University of Mumbai Syllabus Setting for AT-SEIT-Sem IV under the scheme of University of Mumbai	Confidential
18	Prof. Manasi Kulkarni	Syllabus Setting (DBMS)	Not Received from MU
20	Prof. Smita Kadam	Paper Setter under the scheme of the University of Mumbai for Software Engineering - TE COMPUTERS SEM -VI	Confidential
21	Prof. Suhas Lawand	Syllabus Setting (DS COMP) Syllabus Setting (DS IT)	Link
22	Dr. Prashant Lokhande	Paper Setter under the scheme of the University of Mumbai	Confidential
23	Prof. Prakash Bhise	Syllabus Setting	Not Received from MU
24	Prof. Shubhangi	Syllabus Setting	Unix Link
			OS Link
25	Prof. Madhu N.	Paper Setter under the scheme of the University of Mumbai	Confidential
26	Prof. Sheetal Gawande	Paper setter under the scheme of the University of Mumbai for Advanced Computer Network - TE COMPUTERS SEM -VI	Confidential

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

Name of the new course introduced in last A.Y.	Program name	Program code	Course code	Year of introduction	Link the relevant document
Enterprise Network Design	Undergraduate Information Technology	320724610	ITC701	2019-20	Link
Infrastructure Security	Undergraduate Information Technology	320724610	ITC702	2019-20	
Artificial Intelligence	Undergraduate Information Technology	320724610	ITC703	2019-20	
Network Design Lab	Undergraduate Information Technology	320724610	ITL701	2019-20	
Advanced Security Lab	Undergraduate Information Technology	320724610	ITL702	2019-20	
Intelligence System Lab	Undergraduate Information Technology	320724610	ITL703	2019-20	
Android Apps Development Lab	Undergraduate Information Technology	320724610	ITL704	2019-20	
Storage Area Networks	Undergraduate Information Technology	320724610	ITDLO7031	2019-20	
Mobile Application Development	Undergraduate Information Technology	320724610	ITDLO7032	2019-20	
High Performance Computing	Undergraduate Information Technology	320724610	ITDLO7033	2019-20	
Product Lifecycle Management	Undergraduate Information Technology	320724610	ILO7011	2019-20	
Reliability Engineering	Undergraduate Information Technology	320724610	ILO7012	2019-20	
Management Information System	Undergraduate Information Technology	320724610	ILO7013	2019-20	
Design of Experiments	Undergraduate Information Technology	320724610	ILO7014	2019-20	
Operation Research	Undergraduate Information Technology	320724610	ILO7015	2019-20	
Disaster Management & Mitigation Measures	Undergraduate Information Technology	320724610	ILO7017.	2019-20	
Energy Audit and Management	Undergraduate Information Technology	320724610	ILO7018.	2019-20	
Development Engineering	Undergraduate Information Technology	320724610	ILO7019.	2019-20	
Internet of Everything	Undergraduate Information Technology	320724610	ITC802	2019-20	
Big Data Lab	Undergraduate Information Technology	320724610	ITL801	2019-20	
Internet of Everything Lab	Undergraduate Information Technology	320724610	ITL802	2019-20	
DevOps Lab	Undergraduate Information Technology	320724610	ITL803	2019-20	
R Programming Lab	Undergraduate Information Technology	320724610	ITL804	2019-20	
User Interaction Design	Undergraduate Information Technology	320724610	ITDLO8041	2019-20	
Information Retrieval Systems	Undergraduate Information Technology	320724610	ITDLO8042	2019-20	
Knowledge Management	Undergraduate Information Technology	320724610	ITDLO8043	2019-20	

Project Management	Undergraduate Information Technology	320724610	ILO8021	2019-20
Finance Management	Undergraduate Information Technology	320724610	ILO8022	2019-20
Entrepreneurship Development and Management	Undergraduate Information Technology	320724610	ILO8023	2019-20
Human Resource Management	Undergraduate Information Technology	320724610	ILO8024	2019-20
Professional Ethics and CSR	Undergraduate Information Technology	320724610	ILO8025	2019-20
Research Methodology	Undergraduate Information Technology	320724610	ILO8026	2019-20
IPR and Patenting	Undergraduate Information Technology	320724610	ILO8027	2019-20
Digital Business Management	Undergraduate Information Technology	320724610	ILO8028	2019-20
Environmental Management	Undergraduate Information Technology	320724610	ILO8029	2019-20

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	320724610	2016	Link

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
10 Aug 2019	IOT workshop	Certificate	150
18 Aug 2019	Study Circles on Java Fx	Certificate	100
25 Sept 2019	1 day Workshop on Tableau for students	Certificate	40

6 Oct 2019	Study Circles Motion visuals	Certificate	40
12 Oct 2019	Study Circle on Machine Learning	Certificate	40
13 Oct 2019	Workshop on Graphic Design	Certificate	70
1st Feb 2020	2 days hands on training workshop on IOT and its applications	Certificate	30
8th March 2020	Workshop on Android Application Development Fundamentals	Certificate	23
23rd March 2020	CV writing Workshop (ONLINE mode)	Certificate	77
11th-12th June 2020	IOT : Need of time	Certificate	56
July 2019-June 2020	NPTEL	Certificate	315

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	Dhyanotsav	-	2019	-	128	128
2	TAPAS Meditation Program	-	2020	-	128	Continued on online platform
3	Introductory session for Inner Engineering	-	2020	-	35	35
4	Coursera online courses	-	2020	-	1695	621
5	TAPAS Meditation Program through online mode during COVID	-	2020	-	20	On going online
6	Yoga for Compassion	-	2020	-	40	40

10) **Details of the students undertaking field projects/ internships:**

Program name	Program code	No of students undertaking field projects / internships	Link the relevant document

Industrial visits to cyber forensics lab ,Cyber Crime Branch, Navi Mumbai Police Commissioner Office, CBD Belapur, Navi Mumbai	-	18	Link
Coder of semester competition	-	100	Link
Makerthon 2019	-	400	Link
Internal SIH 2020 round 1	-	50	Link
Field trip to design studio/maker space	-	50	Link
Industrial Visit to ISD	-	63	Link
Coder of the semester season 2	-	94	Link
Internship	-	37	Link
PBL as internship (sem 3, 4, 5)	-	128, 133, 157= 418	Link
Internshala	-	3	Link
profile design internship through ASK	-	24	Link

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	Information Technology	Software Testing and Quality Assurance- Please add practicals. It is a professional course . Students must know automated tools used in industry.	Will be Informed to BOS member	

2	Teacher	Information Technology	Enterprise Network Design- The knowledge acquired through this laboratory course cannot be applied to develop real time applications.		
3	Teacher	Information Technology	Business Communication and Ethics- The allocation of the credits to the course is not appropriate.	Will be Informed to BOS member	
4	Teacher	Information Technology	Cyber Security and Laws- The recommended textbooks are not adequate and map onto the syllabus.	New book was introduced and published by faculty member	
5	Student	Information Technology	CGVR-Difficult to understand graphic scenarios to generate animation and analyze virtual reality systems.	concepts will be explained in detail using video lectures and extra practical sessions.	
6	Alumni	Information Technology	More practical knowledge to be included in existing curriculum to bridge the gap between academics and industry standards	Exposure to courses like Coursera, nptel	

7	Alumni	Information Technology	More electives should be offered at Department and Institution level	More electives are offered in Revised syllabus	
8	Student	Information Technology	Emphasizing more on industry and activities required in a professional level of industry	Industry expert talks are organized	
9	Student	Information Technology	Increase practical practices	Project Based Learning and Mini projects are included	
10	Student	Information Technology	Web development skill based course and Blockchain as a new domain should be included in the curriculum	Will be Informed to BOS member	
10	Student	Information Technology	Bring more out in the practicals than theory teaching provide more and more hands on project.	Project Based Learning and Mini projects are included	
10	Student	Information Technology	Android app development skill based course and Deep learning as a new domain should be included in the curriculum	Informed to BOS member	

11	Employer	Information Technology	Need a real world scenario base learning and development of skills required for every student.their have to explore new ideas on technology and services domains and hosting themselves into new world and over come the obstacles and create a bridges between the esay way lifestyle.	Students are motivated for intership and enroll for coursera nd nptel courses	
12	Employer	Information Technology	Industry orientation is needed	Industry expert talks are organized	

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
2019-20	3	0	OMS List_IT

13) Total number of students admitted in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2019-20	Information Technology	320724610	120	115
	ME Information Technology	320724610	18	3
	Ph.D Information Technology	320724610	10	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
	2019-20						1	1	22	83	10

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
2019-20	432	18	17	3	20	22.5

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

Designation	Sanctioned	Filled
Professor	2	2
Associate Professor	6	5
Assistant Professor	16	13
Total	24	20

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

Year	Total No. Full time teachers	No. of teachers with PhD
2019-20	20	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 State/National/International level	Relevant link
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2019-20	20	<p>Dr. Satishkumar Varma has received Minor Research Project grant of Rs. 40000/- from University of Mumbai</p> <p>Dr. Satishkumar Varma is Member of NPTEL TRANSLATION: Shortlisted as NPTEL translator with ID Tran0608 (unique identification number), IITM, 19 May 2020.</p> <p>Dr. Satishkumar Varma is Member of Thesis Advisory Committee (TAC) for Ph.D. Scholars at Mukesh Patel School of Technology Management and Engineering (MPSTME), Vile Parle, Mumbai.</p> <p>Dr. Satishkumar Varma is Member of Department Advisory Board (DAB), Department of Computer Engineering, Shah & Anchor Kutchhi Engineering College (SAKEC) and Mukesh Patel School of Technology Management and Engineering (MPSTME), Vile Parle, Mumbai.</p> <p>Dr. Satishkumar Varma, has contributed as Reviewer for First International Conference on Automation, Computing and Communication (ICACC-2020) organized by RAIT Nerul on 3rd and 4th April 2020.</p> <p>Dr. Satishkumar Varma has contributed as Session Chair and Reviewer in National e-Conference on “Emerging Trends in Artificial Intelligence and Big Data (ETAB-2020)” organised by Information Technology Department, Pune Institute of Computer Technology (PICT), Pune on 12th June, 2020.</p> <p>Dr. Satishkumar Varma, has contributed as Reviewer ICICEEE-2020: International Conference on Innovations in Computer, Electrical and Electronics Engineering, SKN Sinhgad College of Engineering, Korti, Pandharpur Pandharpur, India, January 2-4, 2020</p> <p>Dr. Prashant Lokhande has received Cyber crime and Digital forensic consultancy from GSS HR Sol Pvt. Ltd Rs. 28000</p> <p>Dr. Prashant Lokhande has received IPR consultancy to individual, Copyright filing Rs. 2500</p> <p>Dr. P. S. Lokhande has received ""Shield of Honor"", By Indian Navy, Naval Base Camp, Karanja, Uran, Maharashtra</p> <p>Dr. P. S. Lokhande has received ""Raising Day Police Award and Felicitation"", By Navi Mumbai Police Commissioner, Navi Mumbai</p> <p>Prof. Dhiraj Amin Published a Technical book on “ NATURAL LANGUAGE PROCESSING” First Edition , StarEdu publications in Jan 2020 with ISSN No. 978-93-86765-38-3</p> <p>Mr. Jinesh Melvin received Second Rank in Technical category , XZIBIT 2.0 Digital Poster making Competition at National Level, organized by K.C. College of Engineering and Management, Thane</p>	IT Faculty Achievements
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20) Number of full time teachers from other States against sanctioned posts:

Year	No. Of Full time Teachers	No. of teachers from other states
2019-20	20	1

21) Details of examination related grievances received if any: NIL**22) Adherence to the academic calendar:** [AAAP for 2019-20](#)

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.

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	UG	136	132
ME-IT	ME-Information Technology	PG	3	2

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	Identification of Pedestrian in Institute Premises Using Drone	Dr. Satishkumar Varma	IT	2019-20	40000	1 year	MoU	Govt	http://minor_research_link

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

SN	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- AcademiaInnovative practices)
1	2019-20	Seminar on "Intellectual Property Rights" organized by PCE and PICA, Speakers : Dr. N.K.Mohanti, Mr. Suneet Sable	17/02/2020	IPR
2	2019-20	Pandit Deendayal Petroleum University in association with IPPO is organizing an Online Workshop on Intellectual Property Rights for Academicians and Researchers	10/04/2020 to 11/04/2020	IPR
3	2019-20	Workshop on 'PYTHON for Teachers', IIT Bomabay	22/06/2019	Industry-Academia
4	2019-20	STTP on " Management Information System ", Various experts	1/07/2019 to 5/07/2019	Industry-Academia
5	2019-20	Seminar on " Web technologies : Industry perspective ", Neeraj Gupta and Vishal shetty	02/08/2019	Industry-Academia
6	2019-20	Seminar on "Deep Blue : project orientation ", by Majesco	07/08/2019	Industry-Academia
7	2019-20	Workshop on "IOT Training" by Mr. Aakash Gupta from Leobotics Learning	10/08/2019	Industry-Academia
8	2019-20	Workshop on "LINUX OS" by IITB	23/08/2019	Industry-Academia
9	2019-20	Workshop on "eSim, a First Course in the IoT Series" by IITB	21/09/2019'	Industry-Academia

10	2019-20	Seminar on "Cyber security" by Nikhil Shinagade, Technical Head of Ignicia Technologies And A Renowned Cyber Consultant (Mumbai)	27/09/2019	Industry-Academia
11	2019-20	Seminar on "INSPIRIA", by Mr. Yogesh Chabria, Mr. Sameer Narad and Mr. Maruti Pawar	12/10/2019	Industry-Academia
12	2019-20	Workshop on "R Programming Language" By IITB	09/11/2019	Industry-Academia
13	2019-20	seminar on "Technologies for Future Cities" by Dr. P Sekhar, Dr. Gupta, Dr. Dalvi, Dr. Habbu, Mr. Lewis	8/1/2020	Industry-Academia
14	2019-20	Expert Talk on "SAP" by TCS	16/01/2020	Industry-Academia
15	2019-20	Workshop on "Arduino" by IITB	10/02/2020	Industry-Academia
16	2019-20	Expert Talk on "INNER Engineering" by Mrs. Menaka Gupta and Mr. Ninad Manjrekar, Isha Foundation	14/02/2020	Industry-Academia
17	2019-20	Seminar on "Data Science and why it matters? Overview, Application & Opportunities" by Mr. Aayush Shah, Mr. Suneet Mehta, Boston Institute of Analytics	29/02/2020	Industry-Academia
18	2019-20	Workshop On "C And C++"	29/02/2020.	Industry-Academia
19	2019-20	Expert talk by Indian navy, Lieut. Prashant Rathore	13/03/2020	Industry-Academia
20	2019-20	Online Expert talk on "Trends in Software Testing", Mr. Shiv P, Test Lead, Ark Solutions	05/04/2020	Industry-Academia
21	2019-20	Online Expert talk on "Technology and you " by Puja Leekha AP Storage Technical Sales Leader working in the Systems group at IBM.	10/04/2020	Industry-Academia
22	2019-20	ONLINE workshop on "Writing Documents in LaTeX"	27/04/2020 to 1/05/2020	Industry-Academia
23	2019-20	Expert talk on "Microsoft Azure " through Google meet	02/05/2020	Industry-Academia
24	2019-20	Expert talk by Mr. Nishant Raval, Ravle Consultancy Services Pvt Ltd	13/03/2020	Industry-Academia
25	2019-20	Expert talk on " IOT and Start-up opportunities after Covid 19" by Mr. Ajay Kumar Godra	07/05/2020	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	P Lokhande	Certificate of appreciation(Consultancy to solve cyber crime)	Maharashtra State Police
2	Dhiraj Amin	Certificate of appreciation(Consultancy to solve cyber crime)	Maharashtra State Police
3	Gayatri Hegde	First Level -UG Avishkar 2019-20	University of Mumbai

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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	Enhanced Opinion Mining Approach for Product Reviews	Yugandhara Gawand and Satishkumar Varma	IT	International Journal of Innovative Science and Research Technology (IJISRT)	2019-20	2456-2165	Link
2	Feature-Based Opinion Mining for Product Reviews: A Review	Yugandhara Gawand and Satishkumar Varma	IT	International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCCE)	2019-20	2320-9801	Link
3	Medicine Information Retrieval Application-Pharma Guide	Namrata Chetgiri, Arya Gopinath, Aishwarya Sundaresan, Gayatri Hegde	IT	IJRET	2019-20	e-ISSN:2395 p-ISSN: 2395-0072	Link
4	News Article Text Summarization Using Lex Rank and LSA Algorithm	Prerna, Tanmay Gurao, Sanket Thale, Gayatri Hegde	IT	IJSREM	2019-20	2582-3930	Link
5	Secure File Storage Using Hybrid Cryptography	Ronak K, Anandita B, Tejas C, Madhu N	IT	IJIRT	2019-20	Volume 6 Issue 9 ISSN: 2349-6002	Link
6	Sign language to text converter system	Prof. Shubhangi Chavan, Athira Jayakumar, Aparna Nambiar, Aarya Anilkumar, Sreelekshmi Menon	IT	International Journal For Science And Advance Research in Technology (IJSART)	2019-20	ISSN [ONLINE] : 2395-1052	
7	Survey on Named Entity Recognition using Syntactic Parsing for Hindi Language	Shubhangi Chavan, Prem Thamarakshan, Raj Paliwal, Amit Shukla	IT	International Research Journal of Engineering and Technology (IRJET)	2019-20	e-ISSN: 2395-0056	Link
8	Survey on Sentence Similarity System	Prof. Shubhangi Chavan, Nayan Joshi, Darshan Kadam, Sahil Kadu	IT	International Journal of Innovative Research in Technology	2019-20	ISSN: 2349-6002	Link
9	E health chain and Anticipation of future Disease	Prof. MANASI	IT	International Research Journal of Engineering and Technology (IRJET)	2019-20	e-ISSN: 2395-0056	Link
10	M-Commerce Shopping Using Nfc Technology	Prof. SUHAS	IT	International Conference on Intelligent Computing and Networking	2019-20		
11	Two way Authentication for ATM Machine	Prof. SUHAS	IT	International Conference on Intelligent Computing and Networking	2019-20		

12	Research and Analysis of Smart Mirror	Prof. AJU, Tejas Patil, Atharva Pawar, Sahil Yadav	IT	International Research Journal of Engineering and Technology (IRJET)	2019-20	e-ISSN: 2395-0056	Link
13	Secure File Storage Using Hybrid Cryptography using JAVA	Ronak K, Anandita B, Tejas C, Madhu N	IT	IJSREM	2019-20	Volume: 04 Issue: 06, ISSN: 2582-3930	Link
14	Abnormality Classification and Detection in Musculoskeletal Radiographs	Rohit Prasannakumar, Kiran Khatkale, Gauri Raghuvanshi, Shashank Pramod, and Satishkumar Varma	IT	International Research Journal of Engineering and Technology (IRJET), 7(5):7520-7526	2019-20	e-ISSN: 2395-0056	Link
15	Heart Disease Prediction using Evolutionary based Artificial Neural Network	Tejali Mhatre and Satishkumar Varma	IT	International Journal of Engineering Research and Technology, 8(8): 518-522	2019-20	ISSN: 2278-0181	Link
16	Comparative study on data mining techniques used to predict risk of Heart Disease	Tejali Chandrakant Mhatre and Satishkumar Varma	IT	International Journal of Engineering and Computer Science, 8(8):24829-24833	2019-20	ISSN: 2319-7242	Link
17	Heart Health Classification and Prediction Using Machine Learning	Hardi Rathod, Pratik Kumar Singh, Nikita Tikone, Suresh Babu	IT	International Research Journal of Engineering and Technology	2019-20	ISSN: 2395-0056	Link
18	Multi-Key Privacy in Cloud Computing	Ankit Shetty, Rachana Vannal, Uzair Pawaskar, K. S. Suresh Babu	IT	International Research Journal of Engineering and Technology	2019-20	ISSN: 2395-0056	Link
19	Implementation of SDN Stateful Firewall at Data Plane Applying in Open vSwitch	Harsh Kasavalekar, Mayur Kachare, Prof. K. S. Suresh Babu	IT	International Research Journal of Engineering and Technology	2019-20	2395-0056	Link
20	Mood Based Music Player	Sajida Begum., Sakshi Manjari, Pranali Sawant, Prof. Gayatri Hegde,	IT	Journal of Engineering Sciences	2019-20	ISSN:0377-9254	Link
21	ANALYSIS OF ROAD ACCIDENTS USING DATA MINING TECHNIQUES : A SURVEY	Prof. Madhu Nashipudimath	IT	International Research Journal of Engineering and (IRJET)	2019-20	e-ISSN: 2395-0056 Volume: 07 Issue: 05	
22	ANALYSIS OF ROAD ACCIDENTS USING APRIORI, NAVE BAYES AND KMEANS	Prof. Madhu Nashipudimath	IT	International Journal of Scientific Research in Engineering and Management (IJSREM)	2019-20	Volume: 04 Issue: 06 ISSN: 2582-3930	
23	ANALYZING AND OPTIMIZATION OF NETWORK USING SDN	Jayant Uthale Mustafa Shai Ojas Thale Prof. Sheetal Gawande	IT	International Research Journal of Modernization in Engineering Technology and Science	2019-20	e-ISSN: 2582-5208	
24	HATE SPEECH DETECTION	Dhiraj Amin	IT	International Journal of Innovative Research in Technology	2019-20	ISSN: 2349-6002	

25	Multi-Level Authentication System	Dhiraj Amin	IT	International Research Journal of Engineering and Technology	2019-20	ISSN: 2395-0056	
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30) Details of books and chapters in edited volumes/books published and papers in national/ international conference:

Sl. No.	Name of Teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher	Relevant link
1	Dr. SATISHKUMAR	On Going	Vehicle Number Plate Recognition for Toll System		International Conference on Computing in Engineering and Technology, ICCET 2020	International	2019-2020	Awaiting	PCE, New Panvel	Springer	Presented, On Going
2	Dr. SATISHKUMAR	Lecture Notes in Electrical Engineering book series (LNEE, volume 570)	Design and Implementation of Automatic Coin Dispensing Machine	Communications and Cyber Physical Engineering	International Conference on Communications and Cyber Physical Engineering, ICCCE 2019	International	2019-2020	978-981-13-8715-9	PCE, New Panvel	Springer	Link
3	Prof. GAYATRI	Inventive Computational Technologies	Smart Cloud: A self Organizing Cloud	International Conference on Inventive Computation Technologies	ICICT-2019	International	2018-2019		R V S Technical Campus Coimbatore	Springer	Link
4	Prof. DHIRAJ		Understanding The Requirements Of The Indian IT Industry Using Web Scrapping		9th World Engineering Education Forum 2019, WEEF 2019	International	2019				
5	Prof. SHUBHANGI		Detection of Malicious Microblogs from Online Social Networking Sites using Natural Language Processing (NLP) Techniques		5th International Conference On "Innovations in IT and Management"	International	2020	-	SINHGAD INSTITUTE OF MANAGEME NT AND COMPUTER APPLICATION (SIMCA), Narhe Technical Campus, Pune	ISSN: 0474-9030 Vol-68, Special Issue-27 (Feb. 2020)	
6	Prof Dhiraj	NLP Book	-	-	-	-	-	-	-	StarEdu Publications ISSN No. 978-93-86765-38-3	
7	Satishkumar Varma	Intelligent Technologies and Robotics Intelligent	Analysis of PCA and LDA Features for Facial Expression Recognition Using SVM and HMM Classifiers	Technologies and Robotics (R0)	Techno-Societal 2018. Springer	International	2019-2020	eBook ISBN: 978-981-13-8715-9	PCE New Panvel	Springer	Link
8	Satishkumar Varma		Sentiment Analysis of Product Review		International Conference on Industry 4.0	International	2019-2020		PCE New Panvel		Link

9	Prof. MANASI		Predictive Analysis of Influence of Social Networking Sites on Student, Research Scholars and Academicians using Advanced Data Mining Techniques	5th International Conference On "Innovations in IT and Management,		International	2019-20		Organised by SIMCA, Pune		
10											

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.

Our student group and our faculty group are working on development of an App to help farmers to reach out to customers of their farm product. This is an initiative of MHRD AICTE to help farmers in this lockdown situation.

Team Unnat Bharat Abhiyan has been distributed grocery in the adopted villages about 200 families with the help of faculty contribution of PCE and DEpartment of Computer Engineering and Information Technology.

CSI team PCE visited NGO and also helped in fund raising activity for food distribution by Gurudvara Panvel

Various mediation sessions has been delivered for the mental health and welfare of faculties and students of Pillai college of Engineering.

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	GROCERY Distribution at Wakadi Village for 100 families during lockdown period COVID-19	Appreciation Letter by Gram Panchayat , Wakadi	Gram Panchayat , Wakadi	2019-2020	UBA Team PCE (Dr. Sushopti Gawade)
2	GROCERY Distribution at Ritghar (Dhundre) Village for 100 families during lockdown period COVID-19	Appreciation Letter by Gram Panchayat , Ritghar (Dhundre)	Gram Panchayat , Wakadi	2019-2020	UBA Team PCE and Department of Computer Engineering and Information Technology

3	Consultancy to solve cyber crime	Certificate of appreciation	Maharashtra State Police	2019-2020	Prashant Lokhande
4	Consultancy to solve cyber crime	Certificate of appreciation	Maharashtra State Police	2019-2020	Dhiraj Amin

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

SN	Name of the activity	Organising unit/ agency/ collaborating agency	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
1	Survey Activity under Unnat Bharat Abhiyan 2.0	UBA + NSS	2019-20	22 IT -04	294 IT- 63
2	GROCERY Distribution at Wakadi Village for 100 families during lockdown period COVID-19	UBA Team PCE	2019-20	IT-04 (Financial support given by faculties)	--
3	GROCERY Distribution Ritghar (Dhundre) Village for 100 families during lockdown period COVID-19	UBA Team PCE + Revenue generated from FDP " Know Your Cyberspace" organized by Computer Engineering and Information Technology Dept.	2019-20	100	60
4	Uberang	MES Panvel	2019-20	4	36
5	Community Service Day	MES Panvel	2019-20	4	28
6	Tree plantations drive and River cleaning drive at Panvel Participated by 150 Students	PCE	2019-20	2	150
7	Workshop on Handling Emergencies and First Aid Techniques at Panvel Participated by 68 Students	PCE	2019-20	3	68
8	Visit of students of Mahatma School of Academics and Sports (MSAS) Junior College was Organized in Pillai College of Engineering at Panvel	PCE	2019-20	4	110
9	Engineer's Day and Ozone Day were celebrated at Pillai College of Engineering, Panvel	PCE	2019-20	9	53

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	UBA Survey Activity	GOI-UBA	UBA-GOI	2020	57
2	UBA Quiz Activity	UBA PCE TEAM	UBA-GOI	2020	145

3	CSI NGO Visit1-Girija Foundation	CSI -PCE	NON -GOI	2020	10
4	Uberang	Mahatma Education Society	NON -GOI	2020	32
5	Community Service Day	Mahatma Education Society	NON -GOI	2020	35
6	Hackathon (Odd sem)	Mahatma Education Society	NON -GOI	2019	19
7	Deep Blue	Mahatma Education Society	NON -GOI	2020	13
8	Jumble Sale	Mahatma Education Society	NON -GOI	2020	18
9	Garage Sale	Mahatma Education Society	NON -GOI	2020	20
10	Covid-19	Mahatma Education Society	NON -GOI	2020	40
11	Shivaji Jayanti	Mahatma Education Society	NON -GOI	2020	38
12	Republic Day	Mahatma Education Society	NON -GOI	2020	26
13	Teacher's Day	Mahatma Education Society	NON -GOI	2019	25
14	Dhyanotsav	Mahatma Education Society	NON -GOI	2020	128
15	TAPAS Meditation Program	Mahatma Education Society	NON -GOI	2020	128
16	TAPAS Meditation Program through online mode during COVID	Mahatma Education Society	NON -GOI	2020	20
17	CSI NGO Visit2 - Ray of Hope Ministry	CSI -PCE	NON -GOI	2020	8

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	IV	Industrial visits to cyber forensics lab ,Cyber Crime Branch, Navi Mumbai Police Commissioner Office, CBD Belapur, Navi Mumbai	2019-20	22nd August 2019	Industrial visits to cyber forensics lab ,Cyber Crime Branch, Navi Mumbai Police Commissioner Office, CBD Belapur, Navi Mumbai	Link
2	IV	Industrial Visit to International School of Design	2019-20	4th March 2020	Industrial Visit to International School of Design	Link
3	IV	Field trip to design studio/maker space	2019-20		Field trip to design studio/maker space	
4	Internship	Social Media Content Creation Internship at Blu Saviors LLP, Navi Mumbai,	2019-20	12 Dec to 12 Jan	Social Media Content Creation Internship at Blu Saviors LLP, Navi Mumbai,	
5	Internship	Data visualization and Analytics, Meta Functions Pvt. Ltd.	2019-20		Data visualization and Analytics, Meta Functions Pvt. Ltd.	
6	Internship	NammaLore Entertainment, Bangalore	2019-20	1 June to 5 July 2019	NammaLore Entertainment	
7	Internship	Inversion Consultancy LLP , RMZ Galleria , Yelahanka , Bengaluru , Karnataka 560064	2019-20	23 March 22 May 2020	Inversion Consultancy LLP	Link
8	Internship	Vidyalankar Consultancy Services, Ishan Arcade II, 3rd Floor, Gokhale Rd, opposite Hanuman Mandir, Thane West, Thane, Maharashtra 400602	2019-20	16 Dec 2019 to 5 Jan 2020	Vidyalankar Consultancy Services	Link

9	Internship	Hindustan Petroleum Corporation Limited, Kalachauki, Mahul, Chembur, Mumbai, Maharashtra 400071	2019-20	24 June to 23 July 2019	Hindustan Petroleum Corporation Limited	Link
10	Internship	3i Infotech Limited Tower#5, 3rd to 6th Floors, International Infotech park, Vashi, Navi Mumbai-400703	2019-20	4 Dec 2019 to 3 Jan 2020	3i Infotech Limited	Link
11	Internship	Onveraft Marketing Pvt Ltd, 10th floor, Tower 1, Seawoods Grand Central, Sector 40, Seawoods, Navi Mumbai. 400706	2019-20	9 Dec 2019 to 8 Jan 2020	Onveraft Marketing Pvt Ltd	Link
12	Internship	Foxmula.com Inversion Consultancy LLP	2019-20	Dec 2019 to April 2019	Foxmula.com Inversion Consultancy LLP	Link
13	Internship	SOM AUTO, AURANGABAD	2019-20	3 June to 21 July 2019	SOM AUTO, AURANGABAD	Link
14	Internship	Humhari Pehachan NGO	2019-20	13 May 2020 - 23 June	Humhari Pehachan NGO	Link
15	Internship	Olcademy	2019-20	15 April to 21 July /2019	Olcademy	Link
16	Internship	JSW Steel Dolvi Works, Dolvi, Taluka Pen, Dist. Raigad, Maharashtra 402107	2019-20	09 Dec 2019 to 02 Jan 2020	JSW Steel Dolvi Works	Link
17	Internship	Blu Saviors LLP, 1003, Goodwill Infinity, Sector 12, Kharghar, Navi Mumbai	2019-20	12 Dec 2019 to 12 Jan 2020	Blu Saviors LLP	Link
18	Internship	iFuture Technologies Private Limited, Usha Sankul, 1st Floor, D-Wing, Opp. Sagar International Hotel, Valipeer Road, Kalyan West, 421301	2019-20	07 Dec 2019 to 07 Jan 2020	iFuture Technologies Private Limited, Usha Sankul	Link
19	Internship	Dezignolics , 5th Floor, Krishna Plaza, Opp. CKP Bank, Near Railway Station, Thane, Maharashtra 400602	2019-20	9 Dec 2019 to 26 Dec 2019	Dezignolics	Link
20	Internship	BSNL Satellite Earth Station , 400606 21, Bendipada, Yeoor Hills, Thane West, Thane, Maharashtra 400610	2019-20	3 Sept to 9 Sept 2019	BSNL Satellite Earth Station	Link
21	Internship	YEF, Youth Empowerment Foundation, New Delhi	2019-20	1 Nov to 30 Nov 2019	YEF, Youth Empowerment Foundation	Link
22	Internship	TeleNetworks Technologies Pvt. Ltd. , 202, Vashi Infotech park, plot no. 16, sector - 30A, vashi, Navi Mumbai	2019-20	02 Dec to 19 Dec 2019	TeleNetworks Technologies Pvt. Ltd.	Link
23	Internship	Trivia Softwares	2019-20	3 June to 30 Aug 2019	Trivia Softwares	Link
24	Internship	Maharashtra Border Check Post Network Limited Godrej Coliseum, 602 C wing Behind Everard Nagar, Sion(E) Mumbai-400022	2019-20	30 May to 28 June 2019	Maharashtra Border Check Post Network Limited	Link
25	Internship	Pillai's College of Engineering, New Panvel	2019-20	24 June to 24 July 2019	Pillai's College of Engineering	Link
26	Internship	Azure Skynet (Cosmic Skills)	2019-20	1 Aug to 30 Aug 2019	Azure Skynet (Cosmic Skills)	Link

27	Internship	Ethical IT Solution PVT LTD Dhule	2019-20	1 June to 30 June 2019	Ethical IT Solution PVT LTD Dhule	Link
28	Internship	Techobytes	2019-20	15 May to 15 June 2020	Techobytes	Link
29	Internship	Trunexa Infoways, Haware Infotech, Vashi	2019-20	3 June to 1 July 2019	Trunexa Infoways	Link
30	Internship	Twin Tring	2019-20	13 Dec 2019 to 12 Jan 2020	Twin Tring	Link
31	Internship	Nuclear Power Corporation of India Limited	2019-20	2 Dec to 30 Dec 2019	Nuclear Power Corporation of India Limited	Link
32	Internship	Excel Technical Institute, Anand Talkies Compound, Opp Thane Railway Station, Thane (East), Pin code :400603	2019-20	18 Dec 2019 To 18 Jan 2020	Excel Technical Institute	Link
33	Internship	Quoinx Technologies Pvt Ltd., 1107 & 1108 Kailas Business Park Park Site Hiranadani Link Rd HMPL Surya Nagar Vikhroli West Mumbai Maharashtra 400079, Park Site Rd, Mumbai, Maharashtra	2019-20	07 June to 07 July 2020	Quoinx Technologies Pvt Ltd.	Link
34	Internship	VR Technologies, Bharat Bazar, 3rd Street, Office No. : E-13, M.S. Ali Road, Mumbai-400008.	2019-20	1 Jan to 30 June 2020.	VR Technologies	Link
35	Internship	SOLUTION MEDIATECH	2019-20	03 March to 03 June 2020	SOLUTION MEDIATECH	Link

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

SN	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs	Proof
1	IEOT	ONGC, Govt. of India	2018-19	01 year	1. Internships for students 2. expert lectures 3. Industrial visit to IEOT 4. Library usage of IEOT	2 to 3 students	https://drive.google.com/open?id=1Pxfar3lduOb4zvlxW_GrXMlvRemOmHjG
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	https://drive.google.com/file/d/1tQ76HGJQCUK-YOkmdgChfuEzF3kXeJZS/view?usp=sharing
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	https://drive.google.com/open?id=1w4Miyu8Jk37YwmLcYNGxgW5re1YmchVv

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4	Bioerux	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)	https://drive.google.com/file/d/0B2Oa6Y5lNkGsM0g2ZVN3U1ktUXF3Yzh4dlpSVm05N0xJTmxz/view?usp=sharing
5	ATS voice and data	Access Telematic System, Mumbai	2018-19	05 years	1. Internships for students, 2 Development of projects, 3. Live projects at client locations,4. Training and workshops.	internship for 15 students	https://drive.google.com/open?id=1ho0VAMfeEQixurrHK0oPe-jjTQo-aWiQ
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	https://drive.google.com/open?id=0BxBtgymxrva6R1NWTFJWZnMxZ0tFcGY4SDJDVWZKVlpmS0RB
7	Indian Centre for plastics in the Environment	ICPE	2018-19	03 Years	ConductingR &D in the field of Plastic packaging and Information Exchange	Internship to 2-3 students of Third year	https://drive.google.com/open?id=1IwCXnWlejS_EwA-5vTOhMziONbMnEXYd
8	Codechef	Codechef Ltd.	2019-20	-	coder of semester	230	https://drive.google.com/file/d/1YvijvyYKRF15VR1V_gSG27C-DaU7-4n8/view?usp=sharing
9	Rightsol PTE.LTD.	Rightsol PTE.LTD.Reg No. 201907726D,51 GOLDHILL PLAZA #07-10/11 Singapore (308900)	2018-19	01 Year	Training Sessions,conduct Hackathons,Workshops seminars for students and Faculty	Software to college(includes courses compilers and learning materials via Web Android and ios platform	link
10	SAP	SAP Education Pvt.Ltd	2016-17		e learning centre and sap student Academy course		https://drive.google.com/open?id=1oA1jIBi1lPI6Ie0x2LAlq6OlrwkRUVFj

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

Student's 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
115(UG)+3(PG)+4(PHD)	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	https://www.youtube.com/watch?v=LwoUxPYVZh4&feature=youtu.be
	https://www.youtube.com/watch?v=UGWoE-IN5cw&feature=youtu.be

<p>Screencast (Narrated video recording of the computer screen)</p>	<p>https://www.youtube.com/watch?v=_cb5-ugFXnI&feature=youtu.be</p> <p>https://www.youtube.com/watch?v=fs7zvseeb5g</p> <p>https://www.youtube.com/watch?v=WUeklqwuuGk</p> <p>https://www.youtube.com/watch?v=n5jdOAF1chg</p> <p>https://www.youtube.com/watch?v=TOATNzIJG7c&list=PLcYQHdrcmlIK6HO2STqJW7IGScbWAWVHL</p> <p>https://www.youtube.com/watch?v=Y1BCB9uBAAQ&feature=youtu.be</p> <p>https://drive.google.com/file/d/1zMPXUCp7DzV7QRhX0bSyMXafc8yr1zOh/view</p> <p>https://drive.google.com/file/d/1FRtDMk8cdLuRNvPj6C-N4pveXHGcDpW4/view</p> <p>https://drive.google.com/file/d/1HrK-8nuenRPAeyUW7-9xxVH4bSfzNfqr/view</p> <p>https://drive.google.com/file/d/1HsWoDMZb9zycqYwLkuUt6LhPhWjybIaD/view</p>
<p>LMS / Website</p>	<p>https://vsat2k.moodlecloud.com/</p> <p>https://sites.google.com/mes.ac.in/gayatrihegde-automatatheory</p> <p>https://sites.google.com/mes.ac.in/gayatrihegde</p> <p>https://drive.google.com/drive/folders/1S302NW5xZvcojqU0KWgdW__d2e2oVUUH</p> <p>https://sites.google.com/a/mes.ac.in/big-data-analytics-be-it/</p> <p>https://sites.google.com/a/mes.ac.in/coa_1/notes</p> <p>https://sites.google.com/a/mes.ac.in/stephybenny/internet-of-everything</p> <p>https://sites.google.com/a/mes.ac.in/ninad/devops</p> <p>https://sites.google.com/a/mes.ac.in/ninad/dbir</p> <p>https://vsat2k.wordpress.com/courses/</p> <p>https://sites.google.com/view/vsat2k</p> <p>https://myexperienceharjeet.wordpress.com/sepm-experiments/</p>

<p>Google Classroom</p>	<p>1) https://classroom.google.com/u/1/c/NTY5Mjg5NjExMjRa Classroom Code: klt5iwh</p> <p>2) https://classroom.google.com/c/NTQyMzg1Njc3NTha</p> <p>3) https://classroom.google.com/c/NTA0MDk4NTAyNDZa/m/Njc0OTI4MDU1OTVa/details</p> <p>4) https://classroom.google.com/c/NTA0MDk4NTAyNDZa</p>
<p>Whatsapp Discussion/ Screen shots/ Google Meet Link</p>	<p>1) https://drive.google.com/open?id=1e_t34ex1gJmhP9MBYtw9m1-6EMFA7pjh</p> <p>2) https://drive.google.com/file/d/15fFxyKttNNR3a6lPFumMa3NIh6JiFgo/view?usp=sharing</p> <p>3) https://meet.google.com/nbm-bchx-igm</p> <p>4) https://meet.google.com/tow-wfro-ejg</p> <p>5) https://drive.google.com/file/d/1P2-cTKowVukLnjYD0yA6vh719OvnUnyq/view?usp=sharing</p> <p>6) https://drive.google.com/file/d/18xpmuKRTbCN-SwbQz_dfm5NSXUGayv-j/view?usp=sharing</p> <p>7) https://drive.google.com/file/d/1n7GEM3JV85RNqeHK4s4JCAiNavNE1Rh/view?usp=sharing</p> <p>8) Te comp Meeting URL: https://meet.google.com/vkk-szpr-swg Phone: +1 503-917-4975 PIN: 453 152 132# for TE COMP Meeting URL: https://meet.google.com/xmf-kbke-cdw Phone: +1 413-623-4774 PIN: 297 086 190# Meeting URL: https://meet.google.com/kux-jsby-vxh Phone: +1 636-334-6171 PIN: 720 513 800#</p> <p>9) https://drive.google.com/file/d/1dIKFq_tl_jACBdNdVQa3agW68s-7fp7/view?usp=sharing</p> <p>10) https://drive.google.com/file/d/1aHM7DM-EPofyMOjxqY9T34YhHVwj5UiE/view</p> <p>11) https://drive.google.com/drive/u/0/folders/1-DOZjt6FL8fpSDgAoqO62DHGhG4uGA11</p> <p>12) https://drive.google.com/file/d/1jL0MEw7qd9banNLY3tQgPecbHuRizIos/view?usp=sharing</p> <p>13) https://drive.google.com/file/d/1RUZNAqbbdNa2OLaN1JDN9-pa9ucOQaYe/view?usp=sharing</p> <p>14) https://drive.google.com/file/d/1MW6JEXS7HPbWNIgXIMQJZXIAGJjMKDcK/view?usp=sharing</p> <p>15) https://drive.google.com/drive/folders/1x-7tX_nhB50Hv1XjZ826HfA6rpiq3d3g</p> <p>16) https://drive.google.com/drive/folders/1ehSAw6LWpeYVvk7LsIH5TKbPvIPI5GSx9</p>

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 rooms in the Department are ICT enabled and exclusive personnel from the Hardware Department are 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	5	4	3	--
OBC	30	31		--
SBC	5	3		--
SC	2	3		--
EBC	141	--		--

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	17
ACADEMIC ADVANCE SCHEME	126
TOTAL STUDENTS BENEFITED	143

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	2019-2020	100	Mr. Gaurav Joshi, Mr. Nachiket Sonawane, Ms. Irfat Kapde, Ms. Smriti Sharma
		100	Dr. Prashant Lokhande, (9224174473) Pillai college of Engineering,New Panvel
		100	Lieut.Prashant Rathore
		102	Dr. Prashant Lokhande, (9224174473) Pillai college of Engineering,New Panvel
		105	Dr. Prashant Lokhande, (9224174473) Pillai college of Engineering,New Panvel
		100	Dr. Prashant Lokhande, (9224174473) Pillai college of Engineering,New Panvel

		100	Dr. Prashant Lokhande, (9224174473) Pillai college of Engineering, New Panvel
Competitive Exam	2019-2020	48	Prof. Gayatri H (8692934440) Prof. Madhura vyavhare (9769701243) Prof. Varunakshi B.(9920902069) Dr. wani (9022689584)
Bridge Courses		143	Mr. Neeraj Gupta Mr. Vishal shetty Newgen s/w Technology Ltd DCB Bank
		150	Leobotics
		100	Mr. Hrishikesh Agrawal Mr. Satej Kokate
		100	Mrs. Laxmi Rathaur from TCS
		43	Dr. Priam Pillai, Pillai College of Engineering, New Panvel
		110	Nikhil Shinagade, Technical Head of Ignicia Technologies
		40	Mr. Omkar Kumbhar, Mr. Pranay Gupta, Mr. Saurabh Kulkarni CSI PCE
		30	Ms. Irfat Kapde, Mr. Lavkesh Sharma CSI PCE
		33	Mr. Vaibhav Adsul Mr. Gaurav Joshi CSI PCE
		100	CSI PCE
		50	Tata consultancy services.
		30	Prof. Mimi Cherian (7738647457) pillai College of Engineering, New Panvel
		130	Boston Institute of analytics
		30	"Puja Leekha AP Storage Technical Sales Leader working in the Systems group at IBM."
		60	Mr. Shiv P, Test Lead, Arrk Solutions
		55	TW04 AI Using Python Conducted by Ritesh Maurya
		25	TW05 Data Analytics using Python Conducted by Ritesh Maurya
23	TW06 Tableau Conducted by Dr. Priam Pillai, PCE, New Panvel		
14	TW07 Web Development using Angular & Nodejs Ajay Nair & Aditya Nair		

		47	TW08 Web Development using Flask Prof. Dhiraj Amin PCE, New Panvel
		33	TW09 UI/UX & Graphics Design Shubhang and Ayesha
		1	Python for Data Science By NPTEL, Prof. Ranganathan, IIT Madras
		44	Introduction to internet of things By NPTEL Prof. Sudip Mishra, IIT Kharagpur
		59	DATA MINING By NPTEL, Prof. Pratiba Mitra, IIT Kharagpur
		70	Cloud computing By NPTEL Prof. Somya Kanti Ghosh IIT Kharagpur
		112	Operating System By NPTEL, Prof. Sourav Bansal, IIT Delhi
		54	Joy of Computing using Python By NPTEL Prof. Sudarshan Iyengar, Prof. Yayati Gupta, IIT Ropar
		50	Computer Networks and Internet Protocol By NPTEL Prof. Somya Kanti Ghosh IIT Kharagpur
		37	Computer Architecture By NPTEL Prof. Smruti Sarangi IIT Delhi
		125	Expert talk on "IOT and Start-up opportunities after Covid 19 " through Google meet Mr. Ajay Kumar Godra founder and director of Enovate Skill at NITTTR Chandigarh startup Initiative Enovate Skill NITTTR Chandigarh
		125	2 days Webinar series on IOT: Need of Today Prof. Payel Thakur, Prof. Krishna N, Prof. Jinesh M PCE New Panvel
Remedial Class	2019-2020	166	Prof. Amol K Prof. Payel T Prof. Dhiraj A Prof. Krishna N. Prof. Smita M Prof. Gaurav S Prof. K.S. Charumathi Prof. Jinesh M Pillai College of Engineering, New Panvel

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 benefited /attended/participated by career counseling/Competitive exam activities
2019-20	Talk on Profile buildup CSI	100
	Talk on Career Counselling	15
	GATE exam guidance sessions	48
	Placement awareness Talk (3 session in ONLINE mode)	400
	CV Writing Workshop (ONLINE mode)	100

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

Number of students attending VET	Total number of students
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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
2	Acrotrend Young Talent Acrotrend Mahape, 022 4111 7111	Rs. 4.8 LPA	Information Technology
5	Capgemini India Private Ltd, Capgemini pranita. hajare@capgemini.com, IT1/IT2, TTC Industrial Area, Airoli, Navi Mumbai. 400708	Rs. 3.8 LPA	Information Technology
1	COURSE5 INTELLIGENCE, 3rd Floor, Mindspace Building No 3, Thane Belapur Road, Airoli, Navi Mumbai, Maharashtra 400708	2.9 Lac P.A.	Information Technology
2	GEP Belapur, 61372100	Rs. 5.0 LPA	Information Technology

2	Infosys Ltd,202- A, Triveni House, Below Milan Guest House, Back Road, Khetwadi, Grant Road, Mumbai, Maharashtra 400004	Rs. 3.33 LPA	Information Technology
1	INGRAM Micro	Rs. 4.00 LPA	Information Technology
1	LTI Ballard Estate, Mumbai 67525656	RS. 3.40 LPA	Information Technology
2	LTI Ballard Estate, Mumbai 67525656	Rs. 5.00 LPA	Information Technology
1	TCS,building no.4, 303, Millenium Business Park, Sector 2, Mahape, Navi Mumbai, Maharashtra 400710	RS. 3.30 LPA	Information Technology
1	TCS,building no.4, 303, Millenium Business Park, Sector 2, Mahape, Navi Mumbai, Maharashtra 400710	RS. 7.5 LPA	Information Technology
1	Tss Consultancy Pvt Ltd in Lower Parel	RS. 3.60 LPA	Information Technology
1	Ugam Solutions Prism Tower Mumbai, Maharashtra 022 6652 7300	RS. 2.5 LPA	Information Technology

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	University of Dayton	MS-Computer Science
1	BE	IT	The Graduate School, UNC Charlotte	MS-Computer Science
1	BE	IT	Arizona State University	MS-Computer Science
			Graduate School of Arts and Science, NewYork University	MS-Computer Science
			University of South California	MS-Computer Science

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 appearing										
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	IELTS	TOEFL	Civil Services	State government examination
6887840						Khan Kaneej Fatima				
M6943025							Khan Kaneej Fatima			

4324 8091 9066 7333								Hardi Rathod		
6282213								Hardi Rathod		
5807936								Kruthika Parvatikar		
T6661284									Kruthika Parvatikar	
2093308190708674										Aayush Shetty
5677776								Aayush Shetty		
6195014								Tejas Patil		
471644									Tejas Patil	
5190947								Gaurav Nikam		
8144610190866652										Gaurav Nikam
6257591								Pushkar S Dandekar		
7556 9121 9143 5842										Pushkar S Dandekar
Z4664629										
CS20S62052320			Rachana Lakshman Vannal							
CS20S62039484			Prerana Nandkumar Sugdare							
CS20S62051216			Varun Vijay Shetty							
CS20S62042253			Samiksha Dattaram Gavand							
CS20S62049054			Nikhil Vilas Nimbalkar							
CS20S62050079			Vaishnavi Sanjeeva Shetty							
CS20S62050117			Ojas Nandkumar Thale							
6096343								Parth Rajput		
2774 7111 9085 4849										Parth Rajput
T5476887									Sahil Sudhakaran	
P7801493									Nitesh Lalan Jha	
P3091324									Sayli Pednekar	
1682 3121 9155 4596										Siddhesh Panhale
6705742								Siddhesh Panhale		

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

Name of the award/ medal	National/ International	Sports/ Cultural	Name of the Student	Number of students	Aadhaar Number/Admission Number
Placed Third in handball	Intercollegiate	Sports	Harikrishanan Nair	1	2018PE0114

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

Student Council Details

Sr. No	Post	2019-20
1	Secretary-General	Nikhil Jalindar Ghule
2	Secretary-Technical	Ajaykumar Nair
3	Secretary-Cultural	Chitleen Mohapatra
4	Secretary-Sports	Yash Ninad Boarade
5	Principal's Nominee	Omshree Vishwanath Shetty
6	Principal's Nominee	Hrithik Vikram Jain
7	Women's Representative	Neha Shahu
8	Third Year Representative	P.Neha Jhansi
9	Creatives Head	Tarun Sudhakar Shetty
10	Graphics Head	Romax A K Rajeev
11	Website Coordinator	Sadashiv Ashok Shinde
12	Social Media coordinator	Zaid Irfan Khan
13	Mentorship coordinator	Nayan Janardan Shelke

Departmental Student Chapter(CSI 2019)

POSITION	NAME OF STUDENT
CHAIRPERSON	RISHI KATARIA
VICE CHAIRPERSON	TEJAS KADAM
SECRETARY	PRASAD KARAD
JT.SECRETARY	MOHAMMED SAMEEL SHAIKH
TREASURER	KAVYA MOHANDAS
CREATIVE HEAD	VAIBHAV ADSUL
Technical HEAD	VINOD GUPTA
PUBLIC RELATIONS OFFICER	NACHIKET SONAWANE
JT.P.R.O	SMRITI SHARMA
PUBLICITY HEAD	SAAKSHI BHOSALE
JT.PUBLICITY HEAD	AKSHAY NAIR
JT.TREASURER	ASMITA BAGAL
BE. REPRESENTATIVE	BALRAJ SINGH
BE. REPRESENTATIVE	MANSI NIMJE
TE.REPRESENTATIVE	SANJEET BODKHE
TE.REPRESENTATIVE	AMRUTA KHAVASE
EVENT MANAGER	SHREYAS SHETTY
SOCIAL MEDIA MANAGER	PRANAY GUPTA

JT. TECHNICAL HEAD	HRISHIKESH AGRAWAL
JT. CREATIVE HEAD	UTKARSHA TALELE
MARKETING HEAD	ANKUSH BARI
CODER'S CLUB REPRESENTATIVE	IRFAT KAPDE
CODER'S CLUB HEAD	LOVKESH SHARMA
ADVISORY COUNCIL	SAGARIKA CHANDEL
ADVISORY COUNCIL	GAURAV JOSHI
PHOTOGRAPHER	SOURABH KULKARNI
JT. CODER'S CLUB HEAD	SATEJ KOKATE
EDITOR	ADITI RATHORE
INVENTORY MANAGER	BINOY VIJAYKUMAR
PHOTOGRAPHER	OMKAR KUMBHAR

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

Sr. No.	Name of the activity	Event Date
Alegria (Cultural Events)		
Category : Performing Arts		
1	Free Style Solo	5th to 9th FEB 2020
2	Alegrian Hustle (1 on 1)	
3	Classical Solo	
4	Solo Singing	
5	Rapping	
6	Beat Boxing	
7	Stand Up Comedy	
8	Mono Acting	
9	Open Mic	
10	The War of DJs	
11	Duet dance	
12	Freestyle Group	
13	Skit	
14	Music Band	
Category : Informals		
1	The Face of Alegria	5th to 9th FEB 2020
2	Mr & Ms Alegria	
3	Fitness Physique	
4	Photography	
5	Fastest Finger First	
6	PTV Rowdies	
7	Food-a-thon	
8	Treasure Hunt	

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9	Short Film Competition	
10	Fashion Show	
Category : Literary Arts		
1	Elocution	5th to 9th FEB 2020
2	English Debate	
3	Poetry Writing	
4	Creative Writing	
5	Word Box	
6	General Knowledge Quiz	
Category : Fine Arts		
1	Sketching	5th to 9th FEB 2020
2	Canvas Painting	
3	Rangoli	
4	Mehendi	
5	Nail Art	
6	Logo Designing	
7	Cartooning	
8	Tattoo Making(Acrylic)	
Alegria (Sports)		
1	Futsal (Boys)	5th to 9th FEB 2020
2	Box Cricket (Boys)	
3	Kabaddi (Boys)	
4	Volleyball (Boys)	
5	Basketball (Boys)	
6	Tug of War (Boys)	
7	10m Air Rifle Shooting	
8	Badminton (Girls)	
9	Badminton (Boys)	
10	Shot Put (Girls)	
11	Shot Put (Boys)	
12	Chess	
13	Blitz Chess	
14	Table Tennis	
15	Carrom (Singles)	
16	Carrom (Doubles)	
17	60m Sprint	
18	Devil Circuit	
19	Neo Shootout	
20	Neo Basketball	
21	Neo Cricket	
Council Activities(Cultural)		
1	Engineer's Day	16th September 2019
2	Freshers and Felicitation	20th September 2019
3	Cultural Night (Incredible India)	6th December 2019

4	Shiv Jayanti	20th February 2020
5	Cultural Days	6th to 13th March 2020
6	Traditional Day	7th March 2020
7	Cultural Night in view of NAAC	7th December 2019
Council Activities (Sports)		
1	First Year Sports Tournament	13th to 14th February 2020

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
2019-20	146	1000	146000

NON FINANCIAL DETAILS**Details of seminar/ workshops conducted by our Alumni :**

Sr. No	Date	Title	Speaker
1	23rd July 2019	Seminar on "How to proceed with final year project"	Mr. Akhil Menon Mr. Vishnu Nair
2	1st Feb 2020 to 3rd Feb	2 days hands on training workshop on IOT and its applications	Prof. Mimi Cherian and Prof. Stephy B
3	22 February 2020	Members Meet	Aditya Shetty and Team CSI-PCE
4	13th March 2020	Alumni Expert talk on "IT industry overview"	Mr. Nishant ravale : Alumni pass out batch 2006
5	11th and 12th June 2020	2 days Webinar series on IOT: Need of Today	Prof. Payel Thakur, Prof. Krishna N , Prof. Jinesh M
6	5th June 2020	Webinar on "Immunity Boosting" by Fitness Coach	Nutan Khimasiya: our PG Alumni
7	16th June,2020	Webinar on " Know your fabric and Heritage of India" By Dr.Hemalatha Jain	Prof. Payel Thakur
8	1st July 2020	Webinar on "Introduction to Data Science" for COMPS and IT department.	Ms. Nidhi Menon

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

Sr.No	Name of teacher	PAN	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support (REMARK)
1	Dr. Satishkumar L Varma	ACCPV0879J		CSI membership fees	1840
2	Prof. Dhiraj Amin	AQBPA3365K		Travel grant	7029

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

Sl. No	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from-to)	Dates (from- to) Non Teaching	No of participants (Teaching staff)	No of participants (Nonteaching staff)
1	One week STTP on " Management Information System "		1st july 2019 to 5th July 2019		42	-
2	One day workshop on 'Moodle LMS "for PCE teachers by Prof. Varunakshi B and Pof. Dhiraj Amin		20th July 2019		29	-
3	Workshop on LINUX OS for Teachers		23rd August 2019		41	-
4	One day workshop on eSim, a First Course in the IoT Series for Teachers		21st September 2019'		43	-
5	One day Workshop on R'		9th November 2019			-
6	ONE DAY WORKSHOP ON C and C++ FOR TEACHERS		29 February 2020		19	-
7	ONLINE workshop on "Writing Documents in LaTeX"		27 April -1 May 2020			-
8	webinar on online teaching and learning using Google classroom and Google meet		22nd May 2020		613	-
9	3 days ONLINE National level FDP on" Protecting YOU in cyberspace "		1st -3rd June 2020		274	-
10	Webinar on "Immunity Boosting" by Fitness Coach Nutan Khimasiya: our PG Alumni		5th June 2020		44	-
11	Webinar on " Know your fabric and Heritage of India" By Dr.Hemalatha Jain		16th June 2020		150	-

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)
8	One week STTP on " Management Information System "Organised on 1st july-5th july by PCE	1st July to 5th July 2019
1	AICTE-ISTE approved One week STTP on "infrastructure & Cyber Security Organised on 1st july-6h july by Thodomal shahani engineering college	1st July - 6th July 2019
1	1 week FDP on Data Science Oranized by Pillai HOC College of Engineering and technology, Rasayani	1st July 2019 to 6th July 2019
2	Orientation program on Enterprise Network design and Network design Lab	4th July 2019
1	One day Orientation on "Artificial intelligence and Intelligent systems Lab" Conducted by vidyalankar institute of technology	5th july 2019
1	Orientation Program on Android App Development Lab Fr. C. Rodrigues Institute of Technology, Vashi.	6th July 2019
1	One day Orientation on "Mobile computing and communication." Organised by SKEC, Mumbai on 8th July 2019	8th July 2019
1	Orientation Program on "mobile Communication & Computing and Mobile App Development	11th July 2019
1	Orientation Program on Cyber security and Laws	12th July 2019
5	One day Moodle workshop Conducted by PCE,New Panvel	20th July 2019
2	One day Workshop for cordinators on Linux Conducted by IIT Bombay	3rd August 2019
19	One Day workshop on Linux Conducted by IIT Bombay	23rd August 2019
1	4th International Conference on Inventive Computation Technologies , ICICT 2019, Organized by RVS Technical Campus , Aug 29-30th, 2019, Coimbatore	29-30th August 2019
1	"NPTEL-AICTE Four weeks Faculty Development Programme on " "Demystifying Networking"" NPTEL-AICTE , IIT Madras	July-August 2019
1	NPTEL on Database Management System	July-September 2019
1	Meditation workshop Organized by Pillai College of Engineering and heartfulness Institute	11th-13th September 2019
3	One Day Workshop one Sim, a First Course in the IOT Series for Teachers	21st September 2019
2	Seminar on Cyber Security Oranized by Computer and IT department and placement cell, PCE	26th September 2019

1	International Conference on Computing, Power and Communication Technologies (GUCON 2019).Organized by Galgotias College of Engineering and Technology, Delhi	27-28 September 2019
1	Programming in Java- FDP Conducted by NPTEL (1.5 week FDP)	July-October 2019
1	four days " 5th India International Science Festival" Organized and Fully Sponsored by Ministry of Science and Technology GOI, Ministry of Earth and Science GOI, Vigyan Prasar, VigyanBharati(VIBHA) 5th Nov to 8th Nov. 2019	5th - 8th November 2019
7	Workshop on R Programming Language FOR TEACHERS 'Conducted by IIT Bombay, on Saturday,	9th November 2019.
1	Conference World Engineering Education Forum (WEEF) 2019 Nov 13-16	13th-16th November 2019
1	AICTE Expert Level workshop on Data Science from CDAC "ATAL"	18th- 22nd November 2019
1	Short Term Training Program(STTP) on "Artificial Intelligence using Deep Learning" Conducted by Department of Electronics & Telecommunications,Don Bosco Institute of Technology on Dec 20-24, 2019	20th-24th December 2019
1	STTP on IOT Organized by Terna College of Engineering during 1st to 5th Jan 2020	1st-5th January 2020
1	Orientation program on " User Interaction Design " BEIT Sem VIII Elective Subject(Resource person) , Mumbai University Organized by Thadomal Sahani College of Engineering, Bandra on 6th Jan 2020	6th January 2020
1	Orientation program on " R Programming Lab " BEIT Sem VIII , Mumbai University Organized by Vivekanand College of Engineering, Chembur on 7th Jan 2020	7th January 2020
2	One day Orientation on "Big Data Analytics" Organised by VIT, Mumbai on 8th Jan 2020	8th January 2020
2	Orientation Program on Natural language Processing as resource person Conducted by Shah and Anchor Kutchhi college of Engg , Chembur Mumbai	8th January 2020
18	One day Seminar on Technology for Future Cities Organized by Pillai College of Engineering	8th January 2020
1	One day orientation program for the subject of BE_IT Internet of Everything Conducted by Terna College of Engineering on Jan 10,2020	10 January,2020
1	One day orientation program for the subject Cloud Computing Lab Organised by KC college,Thane	11 January,2020
1	One day Orientation Program on 'Human Machine Interaction' Conducted by TSEC,Bandra on 11January,2020	11 January,2020
1	One day Orientation on "Distributed Computing."Organised by VESIT, Mumbai on 15th Jan 2020	15th January 2020

1	One day FDP for the subject Cloud Computing Organised by K J Somaya College of Engineering,Sion on 7th Feb2020	7th February 2020
1	One day Workshop on IOT for teacher Conducted by IIT Bombay on 8th Feb 2020	8th February 2020
1	One day Workshop on "Arduino" Conducted by IIT Bombay	8th February 2020
2	One Day Workshop on C and C++	29th February 2020
1	Short Term Course on “Python Programming Essentials”	12th April 2020
3	One week Faculty Development Program on " Internet of Things " Organized by NITTTR Chandigadh, AICTE, MHRD ,Government of India	15th - 19th April 2020
1	2 days national workshop on AI for COVID 19 outbreak prediction conducted by EDUXLABs	16th - 17th April 2020.
1	Short Term Course on “Agile Meets Design Thinking”	20th April 2020
2	PYTHON 3.4.3 TRAINING by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.	20th -24th April 2020
2	FDP on Python by PHCET & IIT Spoken Tutorial	21st, - 25th, April 2020.
4	3 Day's Workshop webinar series on Education 4.0 organised by IQAC, Atharva College of Engineering	28th - 30th April 2020.
2	One week FDP on "Usage of technology in COVID 19" organised by Terna college,Nerul.	April 2020
1	Introduction to Augmented Reality and ARCore	April 2020
1	Online 5-Days FDP on AI for Covid-19 Data Analysis Oragnised by EDUxLABS , Gurgaon	27th April - 1st May 2020
1	Linux Application in Engineering Education" Organised by NITTTR, CSE Dept, Chandigarh, from 27th April 2020 to 1st May 2020	27th April - 1st May 2020
1	5 days workshop on Getting Started with Online Teaching organised by CDAC Mumbai	28th April - 2nd May 2020
1	5 days workshop on Examination Reforms organised by AICTE	29th April - 2nd May 2020
3	FDP on R Programming by PCE & IIT Spoken Tutorial	29th April - 03rd May 2020
1	Five Days Instructor-led live online FDP / Short Term Training: AI for COVID-19 Data analysis & Deep Learning others Applications	28th April -1st May 2020
2	5 days STTP on EMOTIONAL INTELLIGENCE With AI &ML by industrial expert(BUILD MY PROJECT)	1st and 5th May 2020
1	2 days national workshop on COVID-19 Android App Development Workshop in Association with NSS IIT Roorkee	3rd and 4th May 2020
2	webinar on Blockchain Technologies for Smart Contracts organised by Thadomal Sahani college of engineering.	3rd - 6th May 2020

11	Four days FDP on " Research, Funding Projects, IPR ", Organized by KC College of Engineering, Thane., from 7th May 2020 to 10th May 2020.	7th -10th May 2020.
8	Three days International FDP on Digital Teaching and Learning Environment by PCACS, New Panvel in association with MUCTA	11th -13th May 2020
1	2 days webinar on Challenges in Conducting Online Examinations in India and a live demo of mUni Pariksha oraganized by mUniCampus	12th - 15th May 2020
2	One week FDP on "Swift(iso) Programing language Organised by IT, MET's, IOE, BKE,Nashik on 12-16 May 2020.	12th and 16th May 2020
2	Webinar on IoT (Internet of Things)	14th - 15th May 2020
8	2 days webinar on "Intellectual Property Rights and Patent Registration" on organised by PHCAS	21st - 22nd May 2020
1	FDP on IOT by BATU under AICTE, ATAL	25th - 29th May 2020
4	5-Days Online STTP on "Recent Trends and Applications of Machine Learning and Deep Learning Algorithms in Information Technology	25th - 29th May 2020
1	FDP on Moodle by K.J. Somaiya	26th - 30th May 2020
1	FDP on Evolution from Offline to Online Teaching	30th May - 3rd June 2020
1	3 days fdp on protecting you in cyberspace	1st June,2020 to 3rd June, 2020
1	One week Faculty Development Program on "Curriculum Development with a Learner Centric Approach" organized by PCE, New Panvel and PHCET, Rasayani	10th June,2020 to 14th June,2020
1	'Natural Language Processing &Deep Learning' organised by Vidyavardhini's College of Engineering & Technology Vasai Road (West), Dist. Palghar, Maharashtra from 22nd to 26th June 2020	22nd - 26th June 2020

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. Dhiraj Amin	16200	Web Development using Flask-TW-08
Prof.Mimi Cherian	2610	Workshop on IoT

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

1	PCE NSS unit in association with PCE IQAC has orgnized Tree Plantation and River Clean Drive on 11th January 2020
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2	PCE IQAC in association with PCE student council has organized a Webinar on " Managing Exam stress and optimising mental well being" on 11th May 2020 . the speaker for the webinar was Ms. Yvette Lee
	PCE IQAC has organized a National Level Essay Writing competition on the topic "Role of Engineers in the Pandemic Situation like COVID-19
3	PCE IQAC in association with ASMH dept has organized a 5 days Workshop on Curriculum Development with learner Centric Approach from 10th June to 14th June 2020
4	PCE IQAC in association with ASMH dept and PCER, IISER Pune, CoESME has organized an Online Workshop on Assessment Tools from 25th June to 26th June 2020
5	PCE IQAC has organized a webinar on What is required for a successful research proposal by Dr. V. Siruguri, Center Director, UGC DAE Mumbai under MES Golden Lecture series on 23rd May 2020 ,
6	PCE IQAC has organized a webinar on Opportunities in Post COVID-19 India by Dr. Abhay Jere, CIO, MHRD, GoI , under MES Golden Lecture series on 21st May 2020 ,
7	PCE IQAC in association with ASMH dept has organized an Ideathon competition on 15th May 2020
8	PCE IQAC has organized a webinar on Use of ICT in Teaching Learning during lockdown on 18th March 2020
9	PCE IQAC has organized a Seminar on IPR by Preetam, Dr. N. K. Mohanty and Mr. Suneet Sabale on 17th Feb 2020
10	PCE IQAC in association with PCE UBA has organized Unnat Bharat Abhiyan survey activity for 5 Villages near by Panvel on 18th January 2020
11	PCE IQAC in association with team CTFC has organized a One day seminar on Technologies for Future Cities on 8 January 2020
12	PCE IQAC in association with team SIH has organized an Internal SIH 2020 round 1 on 18th January 2020
13	PCE IQAC in association with NSS team and Panvel Municipal Corporation, Reliance , Biocrux has organized Plastic Awareness Drive on 05th October 2019
14	PCE IQAC in association with IIC has organized an Idea generation workshop as part of business plan competition on 28 August 2019



gender equity promotion Programmes organized by the department:

Year	Sr. No.	Title of the program
2019-2020	1	Smart India Hackathon(Internal Hackathon)
	2	Deep Blue
	3	Final Year and TE Project Groups selection
	4	PBL groups
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

[LINK FOR SEM III PBL REPORT](#)

Sr. No.	PBL Project title	Abstract
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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

[LINK FOR SEM IV PBL REPORT](#)

Sr. No.	PBL Project title	Abstract
1	Ambulance Services for medical emergencies	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.
2	Alegria Event Manager App	This Web-App is built using HTML,CSS,Javascript and CSS framework like Bootstrap.This App will enable the user to select their choice of event category and join the particular event of their interest using Google Forms .Each and Every Event has a brief description about it .The user will also be able to enquire about any questions that arises by using the contact us page which consists of Phone Number and a Question Form.The user can also see the schedule of each and every event on the schedule page.
3	Scrape Project topics and its abstract for Computer and IT department	The project is all about scraping project titles from different websites and showing it in one place using requests, selenium and beautiful soup . We will also be implementing backend in Sqlite3 where we will be saving any topics bookmarked by the user
4	Create a web portal for conference system	The web page consists of the homepage ie. home, about us, password, login and register. The user can get themselves logged in, and if they don't have an account, they can get themselves signed up for the same. After getting logged the user can enter the record and the records can be viewed later only by the admin for confidentiality .The user also has the facility to do video conference calls. The site is accessible to the users who have registered anytime and they can update their information. Software used- python3 ,sublime text editor.For designing framework we used django.
5	Predicting election on basis of news	This project mainly aims in predicting the Elections on news basis or news article/data. Election predictions are made by collecting quantitative data about the current state of the political parties at a given place or area and predictions are made using Python.
6	Image steganography	Image Steganography is a process to encode a message(text) by embedding it into an image and also to decode the message from the image. In our project we have created a cross platform application using python programming language for the same.In our app we have provided the option to register and login for security, click on encode text and then select image you want to encode message into after that provide with the message and click on proceed.You will find that encoded image has been saved to folder you have provided with and it does not differ from original image, to decode the message from the image click on decode text navigate to encoded image and select it you will find the encoded message being displayed. Click on exit to close the application.
7	Extract news articles for given topic and show timeline	The software can extract news articles from a given website by using the py libraries BeautifulSoup & Requests for scraping data. The extracted data was exhibited using Django framework and HTML-CSS were used for proper pictorial presentation on the webpage. Also, the package Newsapi is used to particularize the search query and send it to the HTML framework for displaying the timeline of the news.
8	Scrap cricket websites and show data analytics of player	Web scraping is the process of using bots to extract content and data from a website.Unlike screen scraping, which only copies pixels displayed on screen, web scraping extracts underlying HTML code and, with it, data stored in a database. In our project We have used eclipse-workspace.For this we used python language & beautifulsoup.it will escape the cricket website(Espn cricino.com) and display cricket teams along with players name ,their debutedate.

9	Online Sports Turf Playground & Badminton court Booking System for College	Online sports turf booking website is proposed for booking the turf in an easy and efficient way. It has three modules namely, Admin, Manager and User. Admin can login and can add turf locations, assign manager by creating login credentials for manager, add price details for the particular turf, manage turf and view the details of sports venues booking for all locations. Managers assigned by the Admin are different for different Turf playground locations. Managers will get login credentials from admin, he/she can login using credentials, he/she can check the rates, view the request for turf booking for the respective location, can accept booking, generate bill and can view the booking history. Users can check the availability of the turf, select timings, fill personal details, can pay by providing bank details or card details and he/she can also view previous turf booking history.
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PBL TOPICS: TE IT SEM V[LINK FOR SEM V PBL REPORT](#)

SN	Project Title	Abstract
1	Pothole and Alcohol detection using iot.	Online charity is a web-based registration software that helps you to donate online. It is an ideal for home,society,industry,shop,office based.
2	Botanic plant watering system	The main aim of the project is to provide water to the plants using nodeMCU ESP8266 wifi module board . This system monitors the moisture content of the soil using soil moisture sensors and supplies the water required using mini water pump 3-6 v DC. The data about the water and moisture level of the soil will be sent to the user via blynk app so that the user can access the system and water the plants accordingly
3	Vehicle accident detection, accident tracking and theft detection system based on IoT	IoT based vehicle accident detection and accident tracing system using GPS and GSM. When an accident occurs, this system sends a short message on mobile. Messages will give longitude and latitude values. From these values location of accident can be determined.In additional to it we are going to provide theft detection ,if car is parked at parking and accelerometer senses speed above the 0KM/hr it will sends the message to owner through application and sms will be send as backup if application does not connected to internet.
4	Website on prominent speakers	The website will be based bcon prominent speakers. It will be an informative website telling about their background and journey of life. It will also contain short clips and videos on them. The links to their social networking accounts and blogs will also be provided. It will contain information about their upcoming events too.
5	website on book buying/selling	A portal where customers can register themselves as either buyer or seller. A buyer can browse the website for specific books and purchase it,whereas a seller can upload their books that can be viewed by sellers to purchase them
6	Website on Poster Ordering	The website will contain different poster templates based on various categories. Clients can select which type of posters they require and give details about what they need on it.

MNI PROJECT TOPICS: TE IT S[LINK FOR SEM VI PBL REPORT](#)

Gr. No.	Sr#	Name of the Student	Project Title	Name of the Guide
IT1	1	Gharat Manthan Shyam	Assistive device for disabled neonele	Prof. Krishnendu Nair
	2	Srinivas Vighnesh G.		

			people	topic
	3	Agarwal Anjali Subhash		
IT2	1	Jadhav Snehal Mangesh	Drone route planning	Prof. Varunakshi Bhojane
	2	Deshmukh Ritu Sunil		
	3	Jadhav Mayuri Dadabhau		
IT3	1	Behera Ipsita Sudhir	Early Flood Monitoring System using IoT Applications	Prof. Payel Thakur
	2	Neha Suresh		
	3	Bhagat Payal Sunil		
IT4	1	Deshmukh Samruddhi P	Smart Doctor Android Application for Breast Cancer risk prediction and diagnosis	Prof. Ranjita Gaonkar
	2	Sharma Esha Sanjiv		
	3	Umredkar Nikita Narhari		
IT5	1	Shetty Ruthvik Arun	Web Application vulnerability detection	Prof. Aju Palleri
	2	Pashte Yugabdh Prakash		
	3	Patel Yash Dilip		
IT6	1	Mulla Amina Mustaq	Health and Fitness assistant for disabled people	Prof. K. S Charumathi
	2	Sapkal Kinjal Baliram		
	3	Chaudhari Chinmaya Pravin		
IT7	1	Mishra Adarsh	Students Grievance Support System	Prof. Suhas Lawand
	2	Achare Yogesh		
	3	Kadam Omkar		
IT8	1	Rathod Ronish Dinesh	Predicting employees performance using Data Mining Techniques	Prof. Madhu M. N
	2	Oswal Darshan Nandkishore		
	3	Gavas Samruddhi Satyavan		
IT9	1	Maurya Nikita Subhash	Prediction of employee attrition	Prof. Sangeeta Selvan
	2	Dash Ganesh Padmakar		
	3	Kumawat Rahul Narayanlal		
IT10	1	Verma Varsha Suresh	Music recommendation system using Machine Learning	Dr. Prashant Nitnaware
	2	Ninad Marathe		
	3	Parth Sanghavi		
IT11	1	Kadam Tejas Sanjay	Automatic Translation and Enforcement of Cybersecurity Policies Using A High-Level Definition Language	Prof. K. S. Suresh Babu
	2	Kanekar Adarsh Mahabaleshwar		
	3	Shetty Akansh Vinod		
IT12	1	Chavan Tejas Manohar	Message filtering system in online social network	Prof. Madhura Vyawahare
	2	Mainkar Omkar Shankar		
	3	Chaudhary Nishita Harishankar		
IT13	1	Midhun Vm	Predicting readmission risk from doctors' notes	Prof. Dhiraj Amin
	2	Menon Sharanya		

			TOPIC/PROJECT/TITLE	GUIDE/MENTOR
	3	Patil Akash Dilip		
IT14	1	Jagdale Pranav Vithal	Web application for home remedies	Prof. Amol Kharat
	2	Kadam Gaurav Ganesh		
	3	Dabade Mayur Laxman		
IT15	1	Prajapati Ajay Umendra	IoT Based Alarm Clock	Prof. Sheetal Gawande
	2	Savaliya Virag Arun		
	3	Ashok Abhishek		
IT16	1	Mhaske Shubham Balu	Online Anti-phishing detection system using Machine Learning	Prof. Jinesh Melvin
	2	Labre Sarvesh Subhash		
	3	Gharge Abhishek Nivruti		
IT17	1	Chaudhuri Abhishek Bijoy	Fake profile detector using deep learning	Prof. Madhura Vyawahare
	2	Darne Sanjana Mahendra		
	3	Birari Yadnika Harishchandra		
IT18	1	Nawale Aditya Suresh	IoT Based Home security management	Prof. Manasi Joshi
	2	Vajantri Manasi Satish		
	3	Shahu Neha Vinod		
IT19	1	Verma Shreya Saloni Umesh	Identification of text similarity based on context	Prof. Shubhangi Chavan
	2	Rawat Jyotsana Gopal		
	3	Sarguroh Abdullah		
IT20	1	Abbas Husain Sayyed	Decision making system for best crop suggestion	Dr. Sushopti Gawade
	2	Kannan Snehal Suresh		
	3	Mishra Adarsh Virendra		
IT21	1	Shinde Saloni	VLEARN-Personalized E-Learning Recommendation System	Prof. Deepti Lawand
	2	Rutika G Sorte		
	3	Majid Rushna		
IT22	1	Soni Ganesh Rajesh	Medical Image Enhancement using Deep Learning	Prof. Stephy Benny
	2	Singh Ajit		
	3	Varpeti Avinash		
IT23	1	Naik Shivam Eknath	Sentimental Analysis using Hybrid feature extraction	Prof. Madhu M. N
	2	Sawant Akshay Rajan		
	3	Gawade Swapnil Sunil		
IT24	1	Jummal Humaira Hidayatullah	Distinct feature extraction for Video based GAIT phase classification	Prof. Prakash Bhise
	2	Khan Misbab Kalim		
	3	Teli Atharva		
IT25	1	Vishwakarma Rajkumar Ramesh	Real Time Detection and Mitigation of Distributed Denial of Service (DDoS)	Prof. Rupali Nikhare
	2	Vijay Sagar Sekar		

	3	Bhoir Karan Navnath	Attacks in Software Defined	
IT26	1	Singh Garima	IoT based Health monitoring system for pregnant women	Prof. Ranjita Gaonkar
	2	Talele Utkarsha		
	3	Tiwari Aayushi		
IT27	1	Shetty Shreyas Gangadhar	Extraction of Legal Documents for Assistance to lawyers.	Prof. Manasi Kulkarni
	2	Mhatre Aditya Ganesh		
	3	Singh Ashok Rustam		
IT28	1	Arondekar Ankita Anand	Emotion Recognition from Facial Expression using Deep Learning	Prof. Sujit Tilak
	2	Arekar Rahul Madhukar		
	3	Gupta Ankit Nandprasad		
IT29	1	Ghatugade Rucha Vikas	Web based Carrier Guidance System	Prof. Rupali Nikhare
	2	Chormunge Gauri Shrikant		
	3	Vyas Kumar		
IT30	1	Jain Harsh Bhupendra	A simple security policy enforcement system for an institution using SDN controller	Prof. K.S. Suresh Babu
	2	Dhotre Paritosh Lavkumar		
	3	Kothari Anurag Sanjay		
IT31	1	Godse Prathmesh Vitthal	Touch-free smart phone	Prof. Gayatri Hegde
	2	Kothari Ronak Bhawarlal		
	3	Sutar Mahendra T		
IT32	1	Bhosale Amruta Pradeep	Career building system for students based on hybrid recommendation	Prof. Jinesh Melvin
	2	Pawar Janhavi Paresh		
	3	Pokharkar Suraj Santosh		
IT33	1	Matode Sumit Balaji	Prediction of Diabetes in Healthcare	Prof. Sangeeta Selvan
	2	Khan Esteyak Mohd		
	3	Khape Sanket Jaywant		
IT34	1	Choudhary Yogesh Santosh	Handwritten Character Recognition of Devanagari Script using Computer Vision and Deep Neural Networks.	Prof. Amol Kharat
	2	Amin Amogh Suresh		
	3	Mistry Vishal Manhar		
	4	PATIL KUNAL		
IT35	1	Shaikh Mohammed Sameel	Automatic number plate detection and recognition	Dr. Satishkumar Varma
	2	Nilekani Yogitha Yashavant		
	3	Shinde Harshada Pravin		
IT36	1	Preetam B. A.	QA with Wiki: improving information retrieval and machine comprehension	Dr. Sharvari Govilkar
	2	Singh Ria		
	3	Zalavadia Prince Chunilal		
	1	Dixit Mihir Prafulla	Anti-Accident and Anti-Theft	Prof. Sheetal

IT37	2	Ranjan Vishal Geeta	AntiAccident and Anti-Theft system for vehicles.	Prof. Sheetal Gawande
	3	Rathore Aditi Suneel		
IT38	1	Shinde Dnyaneshwari Vijay	IP Address grabber and tracker	Dr. Prashant Lokhande
	2	Shirke Shivani Sharad		
	3	Pawale Sayali Pandurang		
IT39	1	Thakur Vivek Devram	Identification of textual similarity from image contents using semantic analysis	Prof. Sagar Kulkarni
	2	Shinde Nehal Krishnakant		
	3	Pimparkar Rohini Subhash		
IT40	1	Roshan Ravi	Framework for Measuring the Effectiveness of Evasion Techniques against Browser	Prof. K.S. Charumathi
	2	Prathamesh Bhoir		
	3	Abhishek Shillare		
IT41	1	Shetty Shiva Manohar	Pathology Image Analysis Using Segmentation Deep Learning Algorithms	Prof. Stephy Benny
	2	Vethekar Sahil Harish		
	3	Birajdar Shreyas Premanand		
IT42	1	Modhe Shubham Vivek	Multi-objective Based Approach for Microblog Summarization	Prof. Shubhangi Chavan
	2	Panse Nikhil Sanjay		
	3	Udayabhanu Manish		
IT43	1	Behera Rachana	MANDIFARM: Portal for farmers to sell produce at better rate	Dr. Sushopti Gawade
	2	Singh Ankita		
	3	Singh Kajal Ashok		
IT44	1	Lonkar Priti Ashok	Student Attendance with Fingerprint Reader	Prof. Blessy Varghese
	2	Gawade Kshitija Mukesh		
	3	Oberoi Aashna Naresh		
IT45	1	Mandavkar Pooja Prakash	Human identification for freestyle walksusing Posture based GAIT feature	Prof. Prakash Bhise
	2	Gawade Komal Sampat		
	3	Pawar Kajal Ramu		
IT46	1	Pawar Siddhesh Kailas	Facial recognition door using Raspberry pi	Prof. Gayatri.Hegde
	2	Komal Dhar		
	3	Govekar Parth Sanjay		
IT47	1	Yadav Shivam Kamlesh	Accident detection and alerting system using GPS and GSM	Prof. Sujit Tilak
	2	Noorani Hasnain Salim		
	3	More Omkar Ashok		
IT48	1	Akhil Sunil Kumar	Detection of Deep Fake Video Manipulation	Prof. Suhas Lawand
	2	Himesh Rajendran		
	3	Khavase Amruta		
	1	Rajivale Shubham Ashok	Sensing activities and locations of senior citizens towards	

IT49	2	Shaikh Saddam Sirat	of senior citizens towards automatic daycare report generation.	Prof. Aju Palleri
	3	Sherigar Shradha Ganesh		

61) Details of the final year project:

Sr. No.		Name of the Student	Title of the Project	Name of the Supervisor/ Guide
IT1	1	Adke Gurudutt Shailendra	DDos Attack Detection and Mitigation Using SDN	Prof. K.S. Charumathi
	2	Soundattikar Kamakshi S		
IT2	1	Gawade Kalpita Deepak	Abstractive Text summarization for Hindi	Dr. Sharvari Govilkar
	2	Manisha Kumaran		
	3	Kamble Runali Rajendra		
IT3	1	Jain Jeet Mahendra	Kidney Diseases Detection and Classification	Dr. Satish Varma
	2	Lad Deepak Namdev		
	3	Mhaskar Atul Tukaram		
IT4	1	Khan Shaaz	Online election portal and vote share prediction using sentimental Analysis	Prof. Sangeetha.S
	2	Seena Mary Philipose		
IT5	1	Chetgiri Namrata Shankar	App for Medicine information Retrieval: Pharmaguide	Prof. Gayatri Hegde
	2	Arya Gopinath		
	3	Aishwarya Sundaesan		
IT6	1	Nair Aathira Unni	A question answering system for effective e-learning	Prof. Deepti Lawand
	2	Das Dipanjan		
IT7	1	Kadam Darshan Sharad	Sentence Similarity System	Prof. Shubhangi N. Chavan
	2	Kadu Sahil Swami		
	3	Joshi Nayan Nandkishore		
IT8	1	Dhekane Abhishek Jaywant	Intelligent IOT based sytem for agriculture	Prof. Payel Thakur
	2	Chavan Akshay Vijay		
	3	Chavan Rahul Chandrakant		
	1	Karani Ronak Suresh		

IT9	2	Choudhari Tejas Hemant	Secure file storage using hybrid cryptography	Prof. Madhu N
	3	Bhajan Anindita Biplab		
IT10	1	Bajre Raj Rajeshwari	Landcover classification with deep learning	Dr. Satishkumar Varma
	2	Sharma Lovkesh Sushil		
	3	Mahajan Mahesh Gopal		
IT11	1	Karad Prasad Dnyandev	Recommendation System based on Common Interest using Big Data mining on social Network	Prof. Jinesh Melvin Y I
	2	More Sandeep Soham		
	3	Kataria Rishi Tilak		
IT12	1	Dhonde Rohit Sahebrao	E-Health chain and anticipating future diseases	Prof. Mansi K
	2	Khedekar Pradnesh C		
	3	Kshirsagar Pradeep P		
IT13	1	Gupta Shailesh Harinarayan	Detecting Key Needs in Crisis	Prof. Sagar Rajendra Kulkarni
	2	Gupta Abhay Mewalal		
	3	Joshi Navin Nandkishor		
IT14	1	Solunke Kiran Krishna	Review Detection system using Semi-Supervised Learning Approach	Prof. Aju Palleri
	2	Patil Kalpesh Ashok		
	3	Khilari Sushama Sharad		
IT16	1	Iyer Vignesh Venkatachalam	Fake News detection System using machine learning techniques	Prof. Krishnendu Nair
	2	Gore Rohan Arun		
	3	Dixit Abhishek Ratan		
IT17	1	Gupta aniket ramsurat	Automatic Car Insurance using Image Analysis	Prof. Rupali Nikhare
	2	Chogale jitesh bhalchandra		
	3	Shrivastav shashank harish		
IT18	1	Singh samriddhi	Web based app creation for maintaining research component library	Prof.Sangeetha Selvan
	2	Harsh pawaskar		
IT19	1	Dhapola Trupti Bhupendra	Sentiment analysis for comments and posts of OSN	Prof. Madhura Vikram Vyawahare
	2	Dani Vaidehi Sudhir		
	3	Chaube Abhishek Aniruddh		

IT20	1	Nadar Aishwarya Murugesan	Stock price Prediction using machine learning.	Prof. Sheetal . Gawande
	2	Nair Divya Sunil		
	3	Karkera Poornima Premnath		
IT21	1	Vispute Hemanshu	Housing Price Prediction Machine Learning	Prof. Madhu N
	2	Garud Yashraj hemant		
	3	Bisai Nayan		
IT22	1	Jagdale dhanashree jagdale	Opinion mining for hotel ratings through reviews.	Dr. Prashant.N
	2	Kubal Prajakta Narayan		
	3	Nair Jayalaxmi Unnikrishnan		
IT23	1	Dalvi Yamini Bharat	New adaptive personalised e-Learning system for students with Dyslexia	Prof. Ranjita.G
	2	More Shraddha Sadanand		
	3	Gavand Samiksha Dattaram		
IT24	1	Kulkarni Sourabh Rajendra	Intelligent traffic information system based on IOT	Prof. Sheetal . Gawande
	2	Chandel Sagarika		
	3	Nayak Shreya Jayanand		
IT25	1	Rathod Hardi Hasmukh	Heart disease prediction using Machine Learning	Prof Suresh Babu
	2	Singh Pratik Kumar		
	3	Tikone Nikita Maruti		
IT26	1	Zagade Pooja	Text Reader Device for Visually Impaired	Prof. Amol Kharat
	2	Singh Gitanjali		
	3	Vaishnavi Shetty		
IT27	1	Phadnis Atharva Sachin	Aid for blind people using IOT	Prof. Mimi.C
	2	Nimbalkar Nikhil Vilas		
	3	Pagar Shubham Balasaheb		
IT28	1	Paliwal Raj Uttam	NER using Syntactic Parsing for Natural Language	Shubhangi N. Chavan
	2	Prem Thamarakshan		
	3	Shukla Amitkumar Anil		

IT29	1	Dholapuriya Ajay Jagdish	Optimal safe route recommendation by examining road side accident attributes.	Prof. Sushopti G
	2	Singh Yash Jagvir		
	3	Mallah Abhishek Ramprasad		
IT30	1	Patel Sagar Govind	Personality Detection System using tweets	Prof.. Sagar Rajendra Kulkarni
	2	Shetty Akshay Puranjay		
	3	Nimje Mansi Kishor		
IT31	1	Sajida Begum Jakir Hussain	Mood based Music player	Prof.. Gayatri Hegde
	2	Sakshi Manjari		
	3	Sawant Pranali Ramesh		
IT32	1	Sharma Vipul	Wearable Assistant for Blind People	Prof. Amol Kharat
	2	Singh Vishal Mahendra		
	3	Thanneeru Sharan		
IT33	1	Shetty Ankit Chitaranjan	Multi-key privacy-preserving in cloud computing	Ms. Mimi Cherian
	2	Vannal Rachana Lakshman		
	3	Pawaskar Uzair Shahid		
IT34	1	Deokar Shrutika Nilesh	Med-Tracker: Android App for medicine tracking	Prof. Deepti Suhas Lawand
	2	Ture Shubham Mohan		
	3	Khandke Sourabh S		
IT35	1	Darekar Aashutosh Pravin	Human body Movement identification	Prof. Prakash Dayanand Bhise
	2	Patel Umar Faiz		
	3	Kaware Ujwal Satish		
IT36	1	Rathod Harvinder Singh	Structural balanced theory based recommendation system	Prof. Jinesh Melvin
	2	Singh Bhavneet Kabal S		
	3	Yadav Akash Mehar C		
IT37	1	Pratheesh Shivaprasad	Polyphonic music generation using deep learning.	Prof. Madhura Vikram Vyawahare
	2	Tiwari Vineet Rajkumar		
	3	Pokharkar Rushikesh Gajanan		

IT38	1	Varma Diksha Deepak	IOT based Smart Health care Monitoring System	Prof. Suhas Lawand
	2	Wakchaure Reeya Sunil		
	3	Rokade Snehal Sunil		
IT39	1	Patel Priyanka Indrakumar	Driver alert system	Prof.Rupali Nikhare
	2	Pillai Sudeepta Ramakrishnan		
	3	Prachi Satbhaya		
IT40	1	Pimpalkar Akash Suresh	E- learning package for Grapes Diseases and Analysis	Prof.Sushopti G
	2	Patil Sonali Hanumant		
	3	Patki Pradhyumna Nitin		
IT41	1	Patil Tejas Avinash	Smart Mirror	Prof. Aju Palleri
	2	Pawar Atharva Ranjit		
	3	Yadav Sahil Umanath		
IT42	1	Kachare Mayur Jayawant	Implementation of SDN Stateful Firewall on Data Plane using Open Switch	Prof. Suresh Babu
	2	Kasavalekar harsh		
IT43	1	Shaikh Mohamad Mustafa Mohamad Umar	Optimisation of networks using SDN	Prof. Sheetal Gawande
	2	Jayant janardhan uthale		
	3	Thale Ojas Nandkumar		
IT44	1	shaikh faisal moosa	Human Posture Recognition using Image Processing	Prof. Prakash Dayanand Bhise
	2	shetty varun vijay		
	3	shetty saket devanand		
IT45	1	Patil Neha Mahesh	Object detection and Recognition System	Prof. Varunakshi.B
	2	Nikam Gaurav Shailesh		
	3	Parvatikar Krutika Srinivas		
IT46	1	Paunikar Divya Bhaskar	Privacy Preserving for Mobile Social Network Using Centralized Network Model	Prof. K.S. Charumathi
	2	Sayed Sami Sajjad		
	3	Singh Sakshi S		
IT47	1	Yadav Akash Sunil	Unauthorized Terror Attack Tracking Using Web Usage Mining	Prof.Ranjita.G
	2	Chudasama Minal Kishor		
	3	Patil Dipti Parshuram		
	1	Sonam Singh		

IT48	2	Shivani Shinde	Hate speech detection using NLP techniques	Prof.Dhiraj.Amin
	3	Subodh Nikumbh		
IT49	1	Tanmay Gurao	News article summarization using LSA and LexRank Algorithm	Gayatri Hegde
	2	Prerana Sugdare		
	3	Sanket Thale		
IT50	1	Sonil Damodar	HealthCare Chatbot System and IOT Based Heartbeat Monitor Using a Arduino on Cloud	Prof. Jinesh Melvin Y I
	2	Ghanshyam Chavan		
	3	Satish Salunke		
IT50	1	Rutuja	HireEasy- Identify Your Corporate Place	Dr. Sushopti G
	2	Sonal		
	3	Tushar H		

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.

Department of Information Technology 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.

Department of Information Technology 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.

Google Classroom and moodle is being used by a few of our faculty members and assignments/quizzes are given out through such classrooms.

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.

Component library is a unique facility of teaching learning process at Dept of Information Technology.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.

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.

Industrial visits to various software/hardware companies in and around Mumbai help students in understanding beyond the syllabus concepts and latests trends in industry.

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.

A handwritten signature in blue ink, consisting of a stylized 'A' followed by a long horizontal stroke that curves upwards at the end.

Head of Department