



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

**INFORMATION FOR ACADEMIC AND
 ADMINISTRATIVE AUDIT OF THE DEPARTMENT
 (2019-2020)
 (Provide information for last A.Y. 2019-2020)**

- 1) Name of the Department: **Computer Engineering**
 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	NA	-	-	-	-

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. Sharvari Govilkar	Member of Board of Studies(BOS)	link
	Dr. Sharvari Govilkar	Member of moderation Committee of University of Mumbai	link
	Dr. Sharvari Govilkar	Coordinator for Syllabus setting committee of UOM for the subject Data Structures	Not yet received from MU
	Dr. Sharvari Govilkar	Chairperson of Paper Setting committee of UOM for the subject Natural language Processing	Confidential
	Dr. Sharvari Govilkar	Coordinator for Syllabus setting committee of UOM for the branch Electronics with Computer Science for the subject data Structures and Algorithm	Not yet received from MU
2	Prof Sagar Kulkarni	Syllabus setting for COA for University of Mumbai	Not yet received from MU
3	Prof. Deepti Lawand	Syllabus setting for COA, JAVA for University of Mumbai	Link
4	Prof. Madhura Vyawahare	Syllabus Setting for CN University of Mumbai	CN Link NL link
5	Prof. Varunkshi Bhojane	Syllabus setting for AOA University of Mumbai, Paper Setter for various subjects under the scheme of University of Mumbai	Link
6	Prof Rupali Nikhare	Paper Setter for various subjects under the scheme of University of Mumbai	Confidential
7	Dr. Sushopti Gawade	Paper Setter for various subjects under the scheme of University of Mumbai	Confidential
8	Prof.Krishnendu.S.Nair	Paper Setter for various subjects under the scheme of University of Mumbai	Confidential
9	Prof.K.S.Charumathi	Paper Setter under the scheme of University of Mumbai	Confidential
10	Prof K.S.Suresh Babu	Paper setter under the scheme of the University of Mumbai	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
Digital Signal & Image Processing	Undergraduate Computer Engineering	320724510	CSC701	2019-20	Link
Artificial Intelligence & Soft Computing	Undergraduate Computer Engineering	320724510	CSC703	2019-20	
Digital Signal & Image Processing Lab	Undergraduate Computer Engineering	320724510	CSL701	2019-20	
Mobile App. Development. Tech. Lab	Undergraduate Computer Engineering	320724510	CSL702	2019-20	
Artificial Intelligence & Soft Computing Lab	Undergraduate Computer Engineering	320724510	CSL703	2019-20	
Computational Lab-I	Undergraduate Computer Engineering	320724510	CSL704	2019-20	
Advance System Security & Digital Forensics	Undergraduate Computer Engineering	320724510	CSDLO7031	2019-20	
Robotics	Undergraduate Computer Engineering	320724510	CSDLO7033	2019-20	
Product Lifecycle Management	Undergraduate Computer Engineering	320724510	ILO7011	2019-20	
Reliability Engineering	Undergraduate Computer Engineering	320724510	ILO7012	2019-20	
Management Information System	Undergraduate Computer Engineering	320724510	ILO7013	2019-20	
Design of Experiments	Undergraduate Computer Engineering	320724510	ILO7014	2019-20	

Operation Research	Undergraduate Computer Engineering	320724510	ILO7015	2019-20	
Disaster Management & Mitigation Measures	Undergraduate Computer Engineering	320724510	ILO7017.	2019-20	
Energy Audit and Management	Undergraduate Computer Engineering	320724510	ILO7018.	2019-20	
Development Engineering	Undergraduate Computer Engineering	320724510	ILO7019.	2019-20	
Human Machine Interaction Lab	Undergraduate Computer Engineering	320724510	CSL801	2019-20	Link
Distributed Computing Lab II	Undergraduate Computer Engineering	320724510	CSL802	2019-20	
Computational Lab-II	Undergraduate Computer Engineering	320724510	CSL804	2019-20	
High Performance Computing	Undergraduate Computer Engineering	320724510	DLO8011	2019-20	
Natural Language Processing	Undergraduate Computer Engineering	320724510	DLO8012	2019-20	
Project Management	Undergraduate Computer Engineering	320724510	ILO8021	2019-20	
Finance Management	Undergraduate Computer Engineering	320724510	ILO8022	2019-20	
Entrepreneurship Development and Management	Undergraduate Computer Engineering	320724510	ILO8023	2019-20	
Human Resource Management	Undergraduate Computer Engineering	320724510	ILO8024	2019-20	
Professional Ethics and CSR	Undergraduate Computer Engineering	320724510	ILO8025	2019-20	
Research Methodology	Undergraduate Computer Engineering	320724510	ILO8026	2019-20	
IPR and Patenting	Undergraduate Computer Engineering	320724510	ILO8027	2019-20	
Digital Business Management	Undergraduate Computer Engineering	320724510	ILO8028	2019-20	
Environmental Management	Undergraduate Computer Engineering	320724510	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 Computer Engineering	YES	YES	320724510	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 JavaFx	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	83
11th-12th June 2020	IOT Need of time	Certificate	82
Jan -June 2020	NPTEL	Certificate	521

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	Dhyantsav	-	2019	-	143	143
2	TAPAS Meditation Program	-	2020	-	143	Continued on online platform
3	Introductory session for Inner Engineering	-	2020	-	29	29
4	Coursera online courses	-	2020	-	1578	642
5	TAPAS Meditation Program through online mode during COVID	-	2020	-	20	On going online
6	Yoga for Compassion	-	2020	-	42	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	-	21	Link
Coder of semester competition	-	100	Link
Makerthon 2019	-	400	Link
Internal SIH 2020 round 1	-	45	Link
Field trip to design studio/maker space	-	50	Link
Industrial Visit to ISD	-	63	Link
Coder of the semester season 2	-	97	Link
Internship	-	83	Link
PBL as an internship sem 3,4,5	-	143 + 133 + 158 = 434	Link
Internshala	-	4	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	Computer Engineering	Subject: Digital Signal and Image Processing: Image segmentation topic is partially covered in the syllabus. Topics should be completely covered in all respects.		
2	Teacher	Computer Engineering	Subject: Management Information System: Case studies in the last unit should be mentioned. If possible recommendation for few case Studies may be listed. In unit number 3 although ethics is mentioned, the syllabus description of unit no 3 only mentions the security threats part. Ethic topic must be added there. For unit number 2 more description on topics like weather to include architectures or triangles is needed. Unit no 4 is lengthy ,it must be divided into 2 units.		
3	Teacher	Computer Engineering	Subject: Cyber Security and Laws: As practical sessions are not included, practical representation is difficult.	Introduction of Practical demonstration of different cyber attacks was covered using seminar on cyber security	Link
4	Teacher	Computer Engineering	Subject: Management Information System: The timely coverage of syllabus is not possible in the mentioned number of hours.		
5	Teacher	Computer Engineering	Subject: Management Information System: The units/sections in the syllabus are not properly sequenced.		
6	Teacher	Computer Engineering	Subject: Management Information System: Sufficient reference material and books are not available for the topics mentioned in the syllabus.		
7	Teacher	Computer Engineering	Subject: Digital Signal and Image Processing: The depth of the course content is not adequate to have significant learning outcomes.		
8	Teacher	Computer Engineering	Subject: Digital Signal and Image Processing: Syllabus is not sufficient to bridge the gap between industry standards /current global scenarios and academics.		
9	Teacher	Computer Engineering	Subject: Digital Signal and Image Processing: Syllabus is not sufficient to bridge the gap between industry standards /current global scenarios and academics.		
10	Teacher	Computer Engineering	Subject : Artificial Intelligence and Soft Computing: Syllabus is not sufficient to bridge the gap between industry standards /current global scenarios and academics.		
11	Teacher	Computer Engineering	Subject: Artificial Intelligence and Soft Computing The units/sections in the syllabus are not properly sequenced.		
12	Teacher	Computer Engineering	Subject: Natural Language Processing As UG students are not much comfortable with foreign author books, a latest text book written by Indian author on the subject NLP could be added as Text book for this subject .	Book Published by internal faculty experts in NLP And will be communicated to BOS members	Link
13	Teacher	Computer Engineering	Subject: Cloud Computing Lab Theory should be included	Will be communicated to BOS members	
14	Student	Computer Engineering	Subject: Adv. AOA: Difficult to understand randomization, advance data structures, polynomial and non polynomial algorithm and various flow networks	Have plan of taking extra practice problems on algorithms and will use video lectures for detailed explanation	
15	Student	Computer Engineering	Subject: ASSDF: It was difficult to understand Detection and counter threats to web applications, ethical and legal issues related to cyber crimes and different forensic tools.	industrial visit was organized to digital forensic cell at C.B.D. Belapur, Workshop will be planned to demonstrate detection and counter threats to web applications.	Link
16	Alumni	Computer Engineering	Feedback Received by various stakeholders on comp Engg curriculum	link to feedback	
17	Employer	Computer Engineering			

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

Year of enrolment	Number of students enrolled from other states	Number of students enrolled from other countries/CIW GS	Link of the relevant document
2019-20	6	2	OMS List

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	UG	320724510	120	131
	PG	320724510	18	2
	PhD	320724510	NA	NA

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						3	0	13	109	6

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:

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

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

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

Mentor Mentee scheme, wherein a small group of students is 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 a 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 the 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 the 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	18	3	21	21.42

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

Designation	Sanctioned	Filled
Professor	2	3
Associate Professor	6	6

Assistant Professor	16	12
Total	24	21

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

Year	Total No. Full time teachers	No. of teachers with PhD
2019-20	21	3

19) Details of full time teachers who received awards, recognition, fellowship at State, National, International level from government, recognized bodies:[C2]

Year	No. Of Full time Teachers	No. of teachers received awards/recognition/fellowship at State/National/International level	Relevant link
2019-20	21	<p>Dr. Sharvari Govilkar 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>Dr. Sharvari Govilkar Delivered a technical talk on " Natural language Processing application for Indian regional languages " at Ramrao Adail Institute of Technology(RAIT) , Nerul Navi Mumbai .on 28th Feb 2020.</p> <p>Dr. Sharvari Govilkar, Dr. Sushopti Gawade, contributed as Reviewer in different national and international conferences and Journals.</p> <p>Dr. Sharvari Govilkar was Invited as subject expert to evaluate various HACKATHON</p> <p>Dr. Sharvari Govilkar has contributed as Session Chair in different national and international conferences.</p> <p>Dr. Sushopti Gawade has received Rs. 50000/- Survey Grant from UBA(Initiative by Government of India)</p> <p>Dr. Sushopti D. Gawade 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> <p>Prof. Madhura Vyavhare has received Minor Research Project grant of Rs. 30000/- from University of Mumbai</p> <p>Mrs. Charumathi K.S 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> <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> <p>Prof. Varunakshi Bhojane has completed One Coursera Specialization in "Deep Learning"</p> <p>Prof. Blessy Varghese has completed Professional Certificate (5 courses + 1 Capstone) from Coursera & Google on Google IT Automation with Python with 100%</p> <p>Prof. Blessy Varghese has completed Specialization(4 courses + 1 Capstone) from Coursera & University of Michigan on Python for Everybody with 100%</p> <p>Smita Swapnil Kadam has completed Professional Certificate In Cloud Engineering With Google Cloud(5 Google Cloud Platform courses Taught by: Google Cloud Training)</p> <p>Smita Swapnil Kadam has completed Specialization Certificate In Networking In Google Cloud(3 Google Networking courses Taught by: Google Cloud Training)</p> <p>Smita Swapnil Kadam has completed Specialization Certificate In Architecting With Google Cloud (5 Google Architect training courses Taught by: Google Cloud Training)</p> <p>Smita Swapnil Kadam has completed Specialization Certificate In Security In Google Cloud Platform(4 Google Security Courses Taught by Google Cloud Training)</p>	COMP Faculty Achievements

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	21	1

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

22) Adherence to the academic calendar:

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

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

<https://drive.google.com/file/d/1pGpir176rOlqQqkXbXyyDzRWiFuDO8x8/view?usp=sharing>

https://drive.google.com/file/d/1b_qhW3wOpLjgnEksgWBvyp94jtYKg4N6/view?usp=sharing

On the basis of institutes academic calendar dept prepares AAAP for the semester and activities are carried out as per AAAP :<https://drive.google.com/file/d/1lkgnUqWjBO8s0vhkraWqxjTrX-Q2gXZ/view?usp=sharing>

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 a need be, after seeking approvals 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, the National Board of Accreditation has defined 12 POs thus maintaining a uniformity across all branches of the Undergraduate Program in Engineering. Workshops, seminars and webinars have been conducted to educate the teachers about the outcome based education and its implementation.

PO, PSO and CO attainment is pending as result of May 2020 is pending

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

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

24) Result Analysis:

Program Code	Program Name	Level/Semester	Number of students appeared in the exam	Number of students passed in the exam
320724510	Computer Engineering	UG	145	142
320724510	Computer Engineering	PG	7	7

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[C3]

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	Application to Prevent, Predict and Detect Cyberbullying in online social network	Prof. Madhura V.	Computer Engineering	2020	30,000/-	1 year	University of Mumbai	Government	http://minor_research_link
2	Unnat Bharat Abhiyaan	Sushopti	Computer Engineering	2020	50000	1 year	UBA-GOI	Government of India	https://drive.google.com/file/d/1aNRURU1HsBmg_h5MVR65mkL3dN1eLAKa/view?usp=sharing

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	Comp	2015-16
2	Dr. Sharvari G	PhD	Comp	2017-18
3	Dr. Satishkumar Varma	PhD	Comp	2016-17

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

SN	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry-Academia Innovative practices)
1	2019-20	Seminar on "Intellectual Property Rights" organized by PCE and PICA, Speakers : Dr. N.K.Mohanty, Mr. Sunet 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 Bombay	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. Sunet 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, Arrk 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: [C3] :

Sr. No.	Name of the Awardee with contact details	Name of the Award	Name of the Awarding Agency
1	Sujit	Certificate of appreciation 9 social work for COVID19)	PCE
2	Dr. Sushopti G	Certificate of appreciation (Distribution of Grocery to Wakdi Village COVID-19)	Gram Panchayat officials (Sarpanch) from Wakdi Village
3	Dr. Sushopti G	Certificate of appreciation (Awareness creation Quiz about COVID19)	Gram Panchayat officials (Sarpanch) from Righar (Dhundre) VillagePCE
4	K S Charumathi	First Level -UG Avishkar 2019-20	University of Mumbai
5	Dr. Sharvari Govilkar	First Level -UG Avishkar 2019-20	University of Mumbai
6	Dr. Sushopti G.	First Level -UG Avishkar 2019-20	University of Mumbai
7	Payel T.	First Level -UG Avishkar 2019-20	University of Mumbai

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	Recent Trends in Deep Learning Based Abstractive Text Summarization	Neha Rane and Sharvari Govilkar	Comp	"International Journal of Recent Technology and Engineering	2019-20	ISSN: 2277-3878 (Online)	SCOPUS UGC CARE list Journal Published By: Blue Eyes Intelligence Engineering & Sciences Publication
2	Text Summarizer for Hindi	Kalpita Gawade,, Sharvari Govilkar , Manisha Kumaran, Ranali Kamble	Comp	Int.J.Computer Technology & Applications,	2019-20	ISSN:2229-6093	UGC care list Journal J gate , Proquest, Google scholar...
3	Detecting Phishing Attacks Using Natural Language Processing and Deep Learning models	Fenny Zalavadia, Dr. Sharvari Govilkar Shubhangi Pandey, Priyanka Pachpande, Akshata Nvekar	Comp	"International Journal of Creative Research Thoughts (IJCRT)	2019-20	ISSN: 2320-2882	UGC care list Journal Research gate, Mendely, Google scholar...
4	Hybrid Search Engine Ranking Algorithm with Re-ranking Approach"	Nirali Arora, Sharvari Govilkar	Comp	Int.J.Computer Technology & Applications,	2019-20	ISSN:2229-6093	UGC care list Journal J gate , Proquest, Google scholar...
5	Child Safety and Tracking Management system for Mobile Devices	Vinod Gupta, Saquzzaman Hossain,Balraj Singh,Pooja Ingale and Dr.Sharvari Govilkar	Comp	International Journal of Scientific Research in Engineering and Management (IJSREM)	2019-20	ISSN: 2582-3930	DOAJ, Google Scholar, Science Gate
6	Detecting Paraphrases in Marathi Language	Sheela srivastav and Sharvari Govilkar	Comp	The International Journal of Smart Computing and Information Technology (USCIT)	2019-20		UGC approved in 2017
7	Abstractive Text Summarization using Rich Semantic Graph for Marathi Language	Sheetal shimpkar and Sharvari Govilkar	Comp	Int.J.Computer Technology & Applications,	2019-20	ISSN:2229-6093	UGC approved in 2017

8	E-Learning package for grape and disease analysis	Akash Pimpalkar, Pradumn Patki, Sonali Patil, Dr. Sushopti Gawade	Comp	International Research Journal of Engineering and Technology	2019-20	e-ISSN 2395-0056	UGC approved in 2017
9	Driver Alert System to Detect Drowsiness and Distraction	Prof. RUPALI	Comp	International Research Journal of Engineering and Technology (IRJET)	2019-20	e-ISSN: 2395-0056	Paper Link
10	Android based Secure and Smart Home Application using IoT	Sandhya Patil, Muhammad Tabish Quadri, Riya John, Sanket Said, Ranjita Gaonkar	Comp	International Research Journal of Engineering and Technology	2019-20	e-ISSN 2395-0056	UGC approved in 2017
11	Aid for Blind People Using IoT	Atharv Phadnis, Shubham Pagar, Nikhil Nimbalkar, Prof. CHARUMATHI	Comp	International Research Journal of Engineering and Technology	2019-20	e-ISSN: 2395-0056	UGC approved in 2017
12	DDOS Attack and Mitigation using SDN	Adhe Garudatt Soundattikar Kamakshi K. S. Charumathi	Comp	IJSRD - International Journal for Scientific Research & Development	2019-20	ISSN (online): 2321-0613	UGC approved
13	PRIVACY PRESERVING FOR MOBILE SOCIAL NETWORKS USING CENTRALIZED NETWORK MODEL	Divya Paimkar, Sami Sayed, Sakshi Singh, K.S. Charumathi	Comp	International Journal of Scientific Research in Engineering and Management (IJSREM)	2019-20	ISSN: 2582-3930	UGC Approved
14	Smart Blind Stick using Image Processing	Bhushan Chaudhari, Priyanka Dorugade, Hrushikesh Konde, Rehan Kondkari, Deeptri S. Lawand	Comp	International Research Journal of Engineering and Technology	2019-20	e-ISSN 2395-0056	UGC approved in 2017
15	Automated Question Answering System For Effective E-learning	Aashira Nair, Dipanjan Das, Deeptri Lawand	Comp	International Journal of Research and Analytical Reviews (IJRAR)	2019-20	E-ISSN 2348-1269,	UGC and ISSN Approved
16	MED-TRACKER: Android App For Medicine Tracking	Sourabh SK., Shubham Ture, Shrutika Deokar, Deeptri Lawand	Comp	International Journal of Research and Analytical Reviews (IJRAR)	2019-20	E-ISSN 2348-1269	UGC and ISSN Approved
17	Survey on Online Social Networking Threats and Solutions	Prof. SMITA KADAM	Comp	International Journal of Computer and Internet Security	2019-20	ISSN 0974-2247	UGC approved in 2016
18	Enhanced Multiparty Access Control in Online Social Network	Prof. SMITA KADAM	Comp	IRACST - International Journal of Computer Science and Information Technology & Security (IJCISIS)	2019-20	ISSN: 2249-9555	UGC approved in 2016
19	Fake news detection using Machine learning.	Prof. KRISHNENDU	Comp	International Research Journal of Engineering and Technology	2019-20	e-ISSN 2395-0056,p-ISSN 2395-0072	UGC approved in 2017
20	Stock market prediction using Machine learning Techniques	Prof. KRISHNENDU	Comp	International journal for science and Advance research in technology	2019-20	e-ISSN 2395-1052	UGC approved on Jan 2015
21	Smart Agriculture System	Prof. KRISHNENDU	Comp	International Research Journal of Engineering and Technology	2019-20	3) e-ISSN 2395-0056,p-ISSN 2395-0072	UGC approved in 2017
22	Survey on Intelligent IOT based system on agriculture.	Prof. PAYEL THAKUR	Comp	International Journal of Innovative Research in Technology.	2019-20	ISSN: 2349-6002	UGC approved
23	A SURVEY ON GAIT ANALYSIS AS A BIOMETRIC SYSTEM	Prof. PAYEL THAKUR	Comp	International Journal of Latest Trends in Engineering and Technology	2019-20	e-ISSN 2278-621X	UGC approved
24	AI Based Chatbot System With Long Term Memory	Prof. PAYEL THAKUR	Comp	International Journal Of Engineering, Science and Computing	2019-20	ISSN 2321 3361	UGC approved
25	GAIT ANALYSIS AS A BIOMETRIC SYSTEM*	Abhijay N. Vinanti P.Siddhesh S, Pranali P. Payel Thakur	Comp	International Journal of Research and Analytical Reviews (IJRAR), Volume 7, Issue 2, May 2020, IJARAR	2019-20	(E-ISSN 2348-1269, P-ISSN 2349-5138)	UGC approved
26	Sentiment Analysis of Posts and Comments of OSN	Abhishek Chaube, Vaidehi Dani, Trupti Dhapola, Prof. Madhura Vyawahare	Comp	International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 03 Mar 2020	2019-20		UGC approved
27	Polyphonic Music Generation	Vincent Tiwari, Pratheesh Shivaprasad, Rushikesh Pokharkhar, Prof. Madhura Vyawahare,	Comp	International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 8 Issue III Mar 2020	2019-20		UGC approved
28	Unauthorized Terror Attack Tracking System using Web Usage Mining	Akash Yadav, Minal Chudasama, Dipti Patil, Ranjita Gaonkar	Comp	International Research Journal of Engineering and Technology (IRJET)	2019-20	e-ISSN: 2395-0056, p-ISSN: 2395-0072	Link
29	A New Adaptive Personalized E-learning System for Students with Dyslexia	Yamini Dalvi, Samiksha Gavand, Shradha More, Ranjita Gaonkar	Comp	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2019-20	ISSN: 2321-9653	Link
30	Automatic Car Insurance using Image Analysis	Prof. RUPALI	Comp	International Research Journal of Engineering and Technology (IRJET)	2019-20	e-ISSN:2395-0056	UGC approved
31	Sarcasm Detection using Machine Learning Techniques	Prof. RUPALI	Comp	Journal of XI'AN University of Architecture and Technology, China, Volume: XII,	2019-20	Issue V, ISSN No : 1006-7930, May 2020	UGC approved
32	IoT Based Women and Children Safety System	Prof. RUPALI	Comp	Sustainable Humanosphere Journal, Vol.16, Issue:1,	2019-20	ISSN: 1880-6503, March 2020	UGC approved
33	Centralized Firewall for Software-Defined Networking (SDN)	Prof K S Charumathi	Comp	International Research Journal of Engineering and Technology	2019-20	p-ISSN: 2395-0072	UGC approved
34	EARLY FLOOD MONITORING SYSTEM USING IOT APPLICATIONS	Prof Payel T	Comp	International Research Journal of Engineering and Technology (IRJET)	2019-20	e-ISSN: 2395-0056,p-ISSN: 2395-0072.	UGC approved
35	Identifying The Amount Of Fertilization Required For Rice Crops Using Image Processing System	Prof Payel T	Comp	Journal of Xi'an University of Architecture & Technology	2019-20	ISSN No : 1006-7930.	UGC approved
36	Intelligent IoT based System for Agriculture	Prof Payel T	Comp	International Research Journal of Engineering and Technology (IRJET)	2019-20	e-ISSN: 2395-0056,p-ISSN: 2395-0072	UGC approved
37	IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE BASED CHATBOT SYSTEM WITH LONG TERM MEMORY	Prof Payel T	Comp	International Journal of Research and Analytical Reviews (IJRAR)	2019-20	E-ISSN 2348-1269, P-ISSN 2349-5138	UGC approved
38	Survey on Detecting Key-Needs in Crisis	Sagar Kulkarni	Comp	International Journal of Innovative Research in Technology	2019-20	ISSN: 2349-6002, Volume 6, Issue 9, Page(s):56-60	UGC approved
39	Heart Health Classification and Prediction Using Machine Learning	Hardi Rathod, Pratik Kumar Singh, Nikita Tikone, K.S.Suresh Babu	Comp	International Research Journal of Engineering and Technology	2019-20	ISSN: 2395-0056	Link

40	Multi-Key Privacy in Cloud Computing	Ankit Shetty, Rachana Vannal, Uzair Pawaskar, K. S Suresh Babu	Comp	International Research Journal of Engineering and Technology	2019-20	ISSN: 2395-0056	Link
41	Implementation of SDN Stateful Firewall at Data Plane Applying in Open vSwitch	Harsh Kasavalekar, Mayur Kachare, Prof. K. S. Suresh Babu	Comp	International Research Journal of Engineering and Technology	2019-20	2395-0056	Link
42	Gesture Based Robot with Victim Detection using Audio,	Anju Varghese, Vaishak Nair, Aathira Lakshmi Pillai, Sreelakshmi Pillai, Prof. Suresh Babu,	Comp	INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY	2019-20	E-ISSN: 2395-0056, p-ISSN: 2395-0072	Link

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. Sushopti D. Gawade	--	e-Krishimitra Service Provider Tool in Agriculture	Organized and Fully Sponsored by Ministry of Science and Technology, GOI, Ministry of Earth Sciences, GOI, Ministry of Health and Family Welfare, Vigyan Prasar, VigyanBharati (VIBHA) 7th Nov to 8th Nov. 2019	IISF 2019, KOLKATA	INTERNATIONAL	2019-20	-	GOI	GOI	-
2	Dr. Sushopti D. Gawade	-	e-Krishimitra - Novel approach in Agriculture Services	ISG-ISRS National Symposium 2019 on Innovations in Geospatial Technology for Sustainable Development with special emphasis on NER , November 20 - 22, 2019, Shillong, Meghalaya	ISG-ISRS National Symposium 2019	National	2019-20		ISG-ISRS	ISG-ISRS	
3	Prof. DEEPTI		M-Commerce Shopping Using Nfc Technology		International Conference on Intelligent Computing and Networking	International	2019-20				Springer publication in process
4	Prof. MADHURA VYAWAHARE	Data Communication and Networks Springer, Singapore, 2020, 21-37.	Taxonomy of Cyberbullying Detection and Prediction Techniques in Online Social Networks		GUCCON 2020	International	2019-20	2194-5365		Springer	
5	Prof. MADHURA VYAWAHARE	ADVANCED COMPUTING TECHNOLOGIES AND APPLICATIONS,	Survey on Detection and Prediction Techniques of Drive-by Download Attack in OSN.		ICACTA 2020	International	2019-20			Springer	
6	Dr. Sharvari Govilkar		Multilingual Information Retrieval: Perceptions and Practices"		Online International Conference on "Recent Trends in Computer Science and Information Technology" (ICRCSIT-20) on 17th & 18th June 2020"	Online International Conference	2019-20				
7	Dr. Sharvari Govilkar		Survey of Fake News Detection Techniques"		Online International Conference on "Recent Trends in Computer Science and Information Technology" (ICRCSIT-20) on 17th & 18th June 2020"	Online International Conference	2019-20				
8	Dr. Sharvari Govilkar	Natural language Processing	--	--	--	--	Jan 2020			StarEdu Publications ISSN No. 978-93-86765-38-3	
9	Prof. MADHURA VYAWAHARE	Detection of Cyberhacking on Instagram	Proceedings 2019. Conference on Technologies for Future Cities (CTFC)	CTFC 2019		International	2019-20	SSRN 3362158			Link
10	Prof. Sagar Kulkarni		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		
11	Prof. Sagar Kulkarni		Detection of Malicious Microblogs from Online Social Networking Sites using Natural Language Processing (NLP) Techniques	International Conference On "Innovations in IT and Management		International	2019-20		Organised by SIMCA, Pune		
12	Manjusha Deshmukh	The Internet of everything: Advances, Challenges and Applications	An adaptive neighbor knowledge-based hybrid broadcasting for emergency communications	International Conference on Computer Networks and Inventive Communication Technologies, Springer, 2019		International	2019-20			Springer	
13	Manjusha Deshmukh		Analysis of Hybrid Broadcasting Schemes in Mobile Ad-hoc Networks	International Conference with the Theme "Digital Democracy - IT for Change		International	2019-20			Springer	
14	Prof. SMITA KADAM		Improved Multiparty Access Control Mechanism for OSN	IEEE xplore Digital Library- 2017 International Conference on Computing, Communication, Control and Automation (ICCCUBEA)		International	2019-20			IEEE	

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 villages and spread the awareness about cleanliness, health and hygiene among the villagers.
 - PCE's Nature Club organizes cleanliness drives, tree plantation drives, nukkad natak on cleanliness and health awareness, environment awareness rallies
 - Social Activity Group organises Blood Donation, Health Checkup Camps etc
 - K12 Program is an initiative by ISHRAE in which students visit nearby ZP schools to demonstrate basic science experiments to develop interest towards science and its applications among school children.
 - Various student bodies like ETSA, CSI, AESA, MESA, ISHRAE are arranging social issues related programs/workshops like Road Safety, Disaster Management, Relief fund collection for natural calamities, Helmet awareness etc. A campaign to help Kerala flood victims was organised last year under which 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 the 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	2019-20	UBA Team PCE (Dr. Sushopti Gawade)
2	GROCERY Distribution at Rigihar (Dhundre) Village for 100 families during lockdown period COVID-19	Appreciation Letter by Gram Panchayat , Rigihar (Dhundre)	Gram Panchayat ,Wakadi	2019-20	UBA Team PCE and Department of Computer Engineering and Information Technology
3	Punarjeevana Weaving Association	Appreciation Mail by Punarjeevana	Punarjeevana	2019-20	Payel Thakur
4	TAPAS Meditation Program through online mode during COVID	Appreciation letter by PCE	PCE new panvel	2019-20	Madhura V
5	Dhyansav	Appreciation letter by PCE	PCE new panvel	2019-20	Madhura V
6	TAPAS Meditation Program	Appreciation letter by PCE	PCE new panvel	2019-20	Madhura V

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

SN	Name of the activity	Organising unit/ agency/ collaborating agency	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
1	Survey Activity under Unnat Bharat Abhiyan 2.0	UBA + NSS	2019-20	22 Comp-04	294 Comp-63
2	GROCERY Distribution at Wakadi Village for 100 families during lockdown period COVID-19	UBA Team PCE	2019-20	Comp-04 (Financial support given by faculties)	--
3	GROCERY Distribution Rigihar (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	38
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
10	Anubhav	PCE	2019-20	22	130

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	2019-20	57
2	UBA Quiz Activity	UBA PCE TEAM	UBA-GOI	2019-20	160
3	CSI NGO Visit1 -Girija Foundation	CSI -PCE	NON -GOI	2019-20	12
4	Uberang	Mahatma Education Society	NON -GOI	2019-20	32
5	Community Service Day	Mahatma Education Society	NON -GOI	2019-20	35
6	Anubhav	Mahatma Education Society	NON -GOI	2019-20	130
7	Hackathon (Odd sem)	Mahatma Education Society	NON -GOI	2019-20	12
8	Deep Blue	Mahatma Education Society	NON -GOI	2019-20	8
9	Jumble Sale	Mahatma Education Society	NON -GOI	2019-20	18
10	Garage Sale	Mahatma Education Society	NON -GOI	2019-20	20
11	Covid-19	Mahatma Education Society	NON -GOI	2019-20	38
12	Shivaji Jayanti	Mahatma Education Society	NON -GOI	2019-20	37
13	Republic Day	Mahatma Education Society	NON -GOI	2019-20	25
14	Teacher's Day	Mahatma Education Society	NON -GOI	2019-20	20
15	Dhyansav	Mahatma Education Society	NON -GOI	2019-20	143
16	TAPAS Meditation Program	Mahatma Education Society	NON -GOI	2019-20	143
17	TAPAS Meditation Program through online mode during COVID	Mahatma Education Society	NON -GOI	2019-20	20
18	CSI NGO Visit2 -Ray of Hope Nimistry	CSI -PCE	NON -GOI	2020	15

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

Sl. No.	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage	
1	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	https://drive.google.com/file/d/1YR1vBjG6iAX4k9zvtfngPseJ_wBBOx/view?usp=sharing
2	IV	Industrial Visit to International School of Design	2019-20	4th March 2020	Industrial Visit to International School of Design	https://drive.google.com/file/d/1oLcN8XqZ4n3Nuyt8rTpwR9nBWwFMRP/view?usp=sharing
3	IV	Field trip to design studio/maker space	2019-20		Field trip to design studio/maker space	
4	Internship	Parth Knowledge Network Pvt. Ltd.	2019-20	10 June to 20 July 2019	Parth Knowledge Network Pvt. Ltd.	link
5	Internship	Agarwal Car Transport Pvt. Ltd.	2019-20	1 Dec to 17 Jan 2020	Agarwal Car Transport Pvt. Ltd.	link
6	Internship	Saletancy Consulting Pvt. Ltd.	2019-20	14 Oct to 13 Jan 2020	Saletancy Consulting Pvt. Ltd.	link
7	Internship	Aeonic Edge Pvt.ltd	2019-20		Aeonic Edge Pvt.ltd	
8	Internship	Brandapps Entertainment Pvt. Ltd.	2019-20	4 June to 3 July 2019	Brandapps Entertainment Pvt. Ltd.	link
9	Internship	Indian Institute of Information Technology & Management	2019-20		Indian Institute of Information Technology & Management	
10	Internship	TeleNetworks Technologies Pvt Ltd	2019-20		TeleNetworks Technologies Pvt Ltd	
11	Internship	Infoter Solutions	2019-20		Infoter Solutions	
14	Internship	Quoinx Technologies pvt ltd	2019-20	7 June to 7 July 2019	Quoinx Technologies pvt ltd	Link
15	Internship	Reliance Industries ltd	2019-20	4 June to 5 July	Reliance Industries ltd	link
16	Internship	SAHU Technologies	2019-20		SAHU Technologies	

17	Internship	Quoinx Technologies pvt ltd	2019-20		Quoinx Technologies pvt ltd	
18	Internship	Go Solar Solutions	2019-20		Go Solar Solutions	
19	Internship	BARC	2019-20	20 June to 29 July	BARC	Link
20	Internship	CII Naroji Godrej Model Career Centre	2019-20		CII Naroji Godrej Model Career Centre	
21	Internship	Online internship on MIT App inventor	2019-20		Online internship on MIT App inventor	
22	Internship	Android app development instructor at campK12	2019-20		Android app development instructor at campK12	
23	Internship	sies graduate school of technology	2019-20	16 Dec to 21 Dec 2019	sies graduate school of technology	link
24	Internship	Daynt Tech Services LLP	2019-20		Daynt Tech Services LLP	
25	Internship	Dezignolics Web & Software Company	2019-20		Dezignolics Web & Software Company	
26	Internship	Approid Technology	2019-20	1 July to 31 July 2019	Approid Technology	Link
27	Internship	Jawaharlal Nehru Port Trust	2019-20	6 June to 5 July 2019	Jawaharlal Nehru Port Trust	Link
28	Internship	Allinone Cyberteam	2019-20		Allinone Cyberteam	
29	Internship	Swarg Interior & Home Decor	2019-20	8 June to 30 June 2019	Swarg Interior & Home Decor	Link
30	Internship	Reliance	2019-20	1 June to 30 June 2019	Reliance	Link
31	Internship	CSI Computer Tech Pvt.Ltd, Mahape	2019-20		CSI Computer Tech Pvt. Ltd, Mahape	
32	Internship	Clone futura/whizJunior	2019-20		Clone futura/whizJunior	
33	Internship	JSW Global Business Solution Limited	2019-20	2 Dec to 20 Dec 2019	JSW Global Business Solution Limited	Certificate
34	Internship	Syscort technologies	2019-20	14 June to 29 June	Syscort technologies	Certificate

36) Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. :[C3]

Sl. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs	Proof
1	Codechef	Codechef Ltd.	2019-20	-	Coder of semester -Coding competition for students	230	https://drive.google.com/file/d/1Yvj1vyYKRE1SVR1V_gSGZ7C-Da1U7z4nk/view?usp=sharing
2	SAP	SAP Education Pvt.Ltd	2016-17		e learning centre and sap student Academy course		https://drive.google.com/open?id=1oA1jB11Pj6f0x2LAlq60rvkrRUVFj
3	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	link
4	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	link
5	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	link
6	BiocruX	BIOCROX 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)	link
7	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	link
8	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	link
9	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	link
10	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

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

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

38) Student – Computer ratio:

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

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

Name of the e-content development facilities	Provide link to videos of the media centre and recording facility
Light board for visually dynamic video lectures	https://www.youtube.com/watch?v=LwoUxPYVZh4&feature=youtu.be https://www.youtube.com/watch?v=UGWoE-IN5cw&feature=youtu.be
Screencast (Narrated video recording of the computer screen)	https://www.youtube.com/watch?v=_cb5-ufFXnl&feature=youtu.be https://youtu.be/M-d7T16X3Y0 Screencast : 1 https://youtu.be/-DCJ8efAWu4_2 https://youtu.be/fUTmn9sXXRs https://www.youtube.com/watch?v=Y1BCB9uBAAQ https://www.youtube.com/watch?v=a_Gx_geX7g https://www.youtube.com/watch?v=7KNkpNbOySc https://youtu.be/HfDT8SQiang- https://youtu.be/gwoW7Jdv_Nc-
LMS / Websites	https://sites.google.com/a/mes.ac.in/ict-for-social-cause/system/app/pages/admin/revisions?wuid=wuid:gx:7af07b2999d6721d https://sites.google.com/a/mes.ac.in/ict-for-social-cause/system/app/pages/admin/revisions?wuid=wuid:gx:47b37e3f39419a6 https://sites.google.com/a/mes.ac.in/ict-for-social-cause/system/app/pages/admin/revisions?wuid=wuid:gx:673434468beb4557 https://sites.google.com/prod/view/ai-is-DC-GOOGLE-SITE https://sites.google.com/mes.ac.in/se-tecomps-sem6-com/syllabus-Google-site https://docs.google.com/forms/d/12FGv7zEYgMY1_6i4GkR9m0VjSHtdbPi07j9s2f7XpRl/prefill-QUIZ.1.3 https://docs.google.com/forms/d/1z0RLCIT8MzX0lpa7P4CAz5ZfMDmOvhg3SnSKfDoTA/prefill-https://youtu.be/gwoW7Jdv_Nc- https://sites.google.com/mes.ac.in/pce-nlp
Google Classroom	HMI google classroom DBIR Google classroom https://classroom.google.com/u/0/c/NTUwNzUxOTU4Mjha COA google classroom DC-GOOGLE CLASSROOM Python Lab (SE IT A) Google Classroom DevOps: https://classroom.google.com/u/1/c/NDg5MDU5NDI0TFa R Prog Lab: https://classroom.google.com/u/1/c/NDg30TEFNzEYODVa Google Class Room with Class Code s6boeox https://classroom.google.com/u/0/c/NTM4MTg0MTA3ODI Zoom App Google Classroom ((Class code : oahi2vn) , https://classroom.google.com/u/1/c/NTIzMDQyNTI00Tha) , Google form for QUIZ , https://docs.google.com/forms/d/1xp37kMAJk6W_VoD94g3meCYSO0ym-b557FKpnZBNtU/edit?no_redirect=true#responses Google class room with class code Class code OSTL mini project (https://drive.google.com/drive/folders/1DoVxLtvlyYEetEjCHPsS95Uab8Kjfb7?usp=sharing) Google class room with class code hek5z37 https://classroom.google.com/u/1/c/MzMwMzUxMDE1NTZa-CLASS-CODE-v6bl6gn Google classroom with quiz sessions. https://classroom.google.com/u/0/c/NTY1MDE4ODM1MzRa Classroom Code: 27zm3de MY Youtube Channel https://youtu.be/Q9GQxU-Z0oM Google classroom https://classroom.google.com/c/NTM0NDUzNzgzNDda https://classroom.google.com/c/NDg30TEFNzEYODMzVa Google Classroom
Whatsapp Discussion/ Screen shots/Google Meet Link	1) https://drive.google.com/open?id=1hxWQRGYebNecrg7npe9nhKIU3D7RCW8k 2)(1)- update stautus 1- TE COMPS B- Mini project - Real Time Bs Tracking project - https://drive.google.com/open?id=1j3YbwwiNyQiOvF4otqBB2f7tY5Ww-A2H (2) update stautus 1- TE COMPS A- Mini project - PARENTAL CONTROL PROJECT - https://drive.google.com/open?id=1dDrwqN0w3uw8UIH-DfU_QTcbYA2ELZK (3)update stautus 2- TE COMPS B- Mini project - Real Time Bs Tracking project (4) update stautus 2- TE COMPS A- Mini project - PARENTAL CONTROL PROJECT

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 classrooms 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 from 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	3	3	3	--
OBC	16	29		--
SBC	-	1		--
SC	4	2		--
EBC	108			

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

Name of the scheme with contact information	Number of students benefited by non-government schemes
FINANCIAL HARDSHIP	1
FELICITATION OF TOPPERS	15
ACADEMIC ADVANCE SCHEME	135
TOTAL STUDENTS BENEFITED	151

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
		50	Mr. Yogesh Chabria, Mr. Sameer Narad Mr. Maruti Pawar
		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	2019-2020	143	Mr.Neeraj Gupta Mr. Vishal shetty Newgen s/w Technology Ltd DCB Bank
		150	IOT by 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
		89	Cloud Computing and Distributed Systems NPTEL, Prof. Rajiv Mishra,IIT Patna
		84	Computer Architecture,NPTEL, Prof.Smruti Rajan,IIT Delhi
		147	Data Mining,NPTEL, Prof.Pabitra Mitra,IIT Kharagpur
		2	Data Science for Engineers. NPTEL, Raghunathan Rangnathan,IIT Madras
		20	Introduction to Machine Learning. NPTEL,Prof Balraman Ravirdan,IIT Madras
		43	Introduction to algorithms and analysis. NPTEL, Sourav Mukhopadhyay,IIT Kharagpur
		66	Operating System.NPTEL ,Prof. Sourav Bansal
		70	Python for Data Science,NPTEL, Prof.Raghunathan Rangswamy,IIT Madras
		7	Java For Android By Coursera
		2	Excel Skills for Business: Essentials By Coursera
4	Python for everybody By Coursera		
2	ML using tensorflow By Coursera		
11	Data Scientist's toolbox By Coursera		
3	Applied Machine Learning in Python By Coursera		
4	Python Basics By Coursera		

4	Applied data science with python. By Coursera
1	Market Strategy, By Coursera
1	Excel to My SQL, By Coursera
1	Data Science By Coursera
1	web development By Coursera
1	Google IT Automation with python By Coursera
1	Big data management By Coursera
1	Google IT Support By Coursera
5	AWS Fundamentals: Going Cloud-Native By Coursera
1	Google cloud platform fundamentals. By Coursera
1	Using Python to access Web data By Coursera
1	Web-Design Specialization, By Coursera
1	Introduction to Web development By Coursera
1	Single page web applications with AngularJS By Coursera
1	Crash Course on Python By Coursera
1	App Development on GCP, By Coursera
1	IBM Data Science Specialization By Coursera
1	AI for everyone By Coursera
1	Data Visualisation with Tableau By Coursera
1	Essential Google Cloud Infrastructure: FoundationGoogle Cloud By Coursera
1	1.VR and 360 Video Production Google AR & VR By Coursera
1	Ai for everyone By Coursera
1	Convolutional Neural Networks By Coursera
2	Data structures and Algorithms specialization By Coursera
1	Applied Plotting, Charting & Data Representation in Python By Coursera
1	Big Data By Coursera
2	Intro to TensorFlow By Coursera
1	UX Design Fundamentals By Coursera
1	JavaScript, jQuery, and JSON By Coursera
1	Computer Vision - Image Basics with OpenCV and Python By Coursera
2	End-to-End Machine Learning with TensorFlow on GCP By Coursera
1	Introduction to SQL, By Coursera
1	JavaScript, jQuery, and JSON By Coursera
1	Introduction to psychology. By Coursera
2	Introduction to HTML5 By Coursera
2	Production Machine Learning Systems. By Coursera
2	Deep Learning specialisation By Coursera
1	Web Design for Everybody: Basics of Web Development & Coding By Coursera
1	Full-Stack Web Development with React By Coursera
1	Architecting with Google Kubernetes Engine: Foundations By Coursera
1	Image Data Augmentation with Keras By Coursera
2	Building Web Applications in PHP By Coursera
1	Introduction to the Internet of Things and Embedded Systems By Coursera
1	Introduction to Data Science in Python By Coursera
1	Introduction to Augmented Reality and ARCore By Coursera
6	Neural Networks and Deep learning By Coursera
1	Foundation everyday leadership By Coursera
1	Machine Learning, Graphic Design By Coursera
1	Identifying Security Vulnerabilities By Coursera
1	Google Kubernetes Engine By Coursera
1	Software Development Processes and Methodologies By Coursera
1	AWS Fundamentals By Coursera
1	Calculus and Optimization for Machine Learning By Coursera
1	Introduction to Data Science in Python By Coursera
1	Mathematics for Machine Learning: Linear Algebra By Coursera
1	Ruby on Rails: An Introduction By Coursera
1	Initiating and Planning Projects By Coursera
3	Introduction to Big Data By Coursera
1	Introduction to Structured Query Language(SQL) By Coursera
1	Marketing in a digital world By Coursera
1	Using Python to Access Web Data By Coursera By Coursera
1	Introduction to Business Analytics: Communicating with Data By Coursera
1	Google IT Support By Coursera
1	Google IT Automation with Python By Coursera
1	Graphic Elements of Design: Color Theory and Image Formats By Coursera
1	JavaScript Frontend Frameworks:AngularJS By Coursera
1	Algorithmic Toolbox By Coursera
1	Programming Foundations with JavaScript, HTML and CSS By Coursera
8	Programming for Everybody (Getting Started with Python) By Coursera
1	JavaScript By Coursera
1	Data mining By Coursera
1	R programming By Coursera
1	Introduction to tensor flow for AI, ML and Deep Learning By Coursera
1	Google cloud fundamentals for Azure professionals: core infrastructure By Coursera
1	Financial Markets By Coursera
1	Algorithm part2 By Coursera
1	Mathematics for machine learning: Linear Algebra By Coursera
2	android app development, By Coursera
1	Basic Data Descriptors, Statistical Distribution and Application to Business Decisions By Coursera
1	Graphic Elements Of Design :Color Theory and Image Formats. By Coursera
1	PYTHON By Coursera
1	NLP By Coursera
1	marketing in digital world By Coursera
3	Developing Android Apps with App Inventor By Coursera
1	Algorithmic Toolbox, University of California San Diego By Coursera
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
		55	TW04 AI Using Python Conducted by Ritesh Maurya
		103	Webinar on Microsoft Azure cloud solution, By. Mandar Kulkarni(linkedin.com/in/mandarkk) Mobile.No.9223357576
		125	2 days Webinar series on IOT: Need of Today Prof. Payel Thakur, Prof. Krishna N., Prof. Jinesh M
		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
Remedial class		148	Prof.Sagar K Prof.Varunakshi B. Prof. Gayatri H. Prof. Sheetal G. Prof. Madhura V. Prof. Prakash B. Prof.K.S.Charumathi. Prof.Dipti L. Prof.Suhas L. Prof.Smita J. Prof.Sujit T. Prof.Bhagyashree P.

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

Year	Name of the scheme	Number of students benefitted /attended/participated by career counseling/Competitive exam activities
2019-2020	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
NIL	NIL

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

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

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

Number of students placed	Name of the employer with contact details	Package received	Program graduated from
4	Capgemini India Private Ltd.Capgemini pranita.hajare@capgemini.com, IT1/IT2, TTC Industrial Area, Airoli, Navi Mumbai. 400708	NA	COMPUTER
9	Capgemini India Private Ltd.Capgemini pranita.hajare@capgemini.com, IT1/IT2, TTC Industrial Area, Airoli, Navi Mumbai. 400708	Rs. 3.8 LPA	COMPUTER
1	COURSES INTELLIGENCE,3rd Floor, Mindspace Building No 3, Thane Belapur Road, Airoli, Navi Mumbai, Maharashtra 400708	2.9 Lac P.A.	COMPUTER
2	DURE TECHNOLOGIES PVT LTD	Rs.2.5 LPA	COMPUTER
2	GEP Belapur, 61372100	Rs. 5.0 LPA	COMPUTER
12	Infosys ltd,202- A, Triveni House, Below Milan Guest House, Back Road, Khetwadi, Grant Road, Mumbai, Maharashtra 400004	Rs. 3.33 LPA	COMPUTER
1	JARO EDUCATION	Rs 12 LPA	COMPUTER
10	LTI Ballard Estate, Mumbai 67525656	RS. 3.40 LPA	COMPUTER
3	LTI Ballard Estate, Mumbai 67525656	Rs. 5.00 LPA	COMPUTER
1	MindCraft Software Pvt. Ltd.,716 ,7th Floor, Rupa Solitaire, Millennium Business Park, Off, Thane - Belapur Rd, Millenium Business Park, MIDC Industrial Area, Sector 1, Mahape, Thane, Maharashtra 400701	1.8 LPA	COMPUTER
1	MindCraft Software Pvt. Ltd.,716 ,7th Floor, Rupa Solitaire, Millennium Business Park, Off, Thane - Belapur Rd, Millenium Business Park, MIDC Industrial Area, Sector 1, Mahape, Thane, Maharashtra 400701	2.4 LPA	COMPUTER
2	NEEBEL	3.00 – 5.00 Lac	COMPUTER
1	Neosoft Technology,Unit No 501, Sigma IT Park, Plot No R-203,204, Mide TTC Industrial Area. Rabale, Navi Mumbai, Maharashtra 400701	RS. 3.00 LPA	COMPUTER
1	Nucsoft	Rs. 2.60 LPA	COMPUTER
3	QUALITY KIOSK, 419A, C Wing, Rupa Solitaire, Sector-1, Millennium Business Park, Maha/pe, Kopar Khairane, Navi Mumbai, Maharashtra 400710	Rs. 3 LPA	COMPUTER
1	TCS,building no.4, 303, Millenium Business Park, Sector 2, Mahape, Navi Mumbai, Maharashtra 400710	RS. 3.30 LPA	COMPUTER
9	TCS,building no.4, 303, Millenium Business Park, Sector 2, Mahape, Navi Mumbai, Maharashtra 400710	RS. 3.30 LPA	COMPUTER
6	Ugam Solutions Prism Tower Mumbai, Maharashtra 022 6652 7300	RS. 2.5 LPA	COMPUTER
1	Wipro , Andheri East, Mumbai -sonam.gussar@wipro.com	3.50 LPA	COMPUTER

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	Computer Engineering	College of Engineering and Applied Science (CEAS) ,University of Cincinnati	MS program in Computer Science
1	BE	Computer Engineering	School of Engineering and Applied Sciences at the University at Buffalo (UB)	MS program in Computer Science
1	BE	Computer Engineering	School of Business,Stevens Institute of Technology	Information Systems Program
1	BE	Computer Engineering	University of Dayton	MS program in Computer Science
1	BE	Computer Engineering	Columbian College of Arts and Sciences,The George Washington University	M.S. program in Data Science
1	BE	Computer Engineering	Rochester Institute of Technology.	M.S. program in Data 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):

Registration / Roll No for the exam	Number of students appearing									State government examinations
	NET	SLET	GATE	GMAT	CAT	GRE	IELTS	TOEFL	Civil Services	
6842021						Neeraj koli				
P2025602							Neeraj koli			
6205598						Vaishak Nair				
3228410190916798								Vaishak Nair		
5972411						Rohan Bangera				
M2734405							Rohan Bangera			
6369493						Abhijay Nair				
5230 2101 9091 9090								Abhijay Nair		
6253279						Viraj Shirodekar				
N3386352							Anandu Sahil			
Z4664629							Rushikesh Chavan			
CS20S62051156			Asmita Rathnaraj Nair							
CS20S62052162			Gayatri Sasi Nair							
CS20S62044075			Pravinraj Seeniraj Nadar							
CS20S62039413			Anupama Vinayakumar Nair							
CS20S62038596			Salman Salahuddin Mapkar							
CS20S62038760			Priya Chandrashekhar Tiwari							
CS20S62052228			Vivek Vinay Singh							
CS20S62039505			Saqlain Muazzam Dhanse							
CS20S62042248			Shubham Vikas Bavdhanekar							
CS20S62039507			Siddhesh Krishnakant Shivdikar							
CS20S62038460			Aniket Satish Shinde							
CS20S62039071			Rohit Mithilesh Vishwakarma							
CS20S62040391			Aparna Sudhakaran Nambiar							
CS20S62040177			Akshans Rautela							
CS20S62048068			Sheetal Vajshi Khodbhaya							
CS20S62052154			Jatin Jahindranath Mhatre							
CS20S62064077			Krunal Sharad Rane							
CS20S62052232			Janhavi Ganesh Patil							
CS20S62042069			Aparna Ashok Kumar							
CS20S62038266			Sidharth Sudheer Nair							
CS20S62052281			Aathira Lakshmi Pillai							
CS20S62050114			Nivedita Kishor Mhatre							
CS20S62038534			Gauri Girishsingh Raghuvanshi							
CS20S62040306			Krtin Sunil Ahuja							
CS20S62041201			Shivangi Bhushan Lal Jotshi							
CS20S62050113			Sarath Santosh Pillai							
CS20S62040213			Mansi Sawant							
CS20S62051081			Muhammad Tabish Quadri							
CS20S62039018			Sanket Rajendra Said							
CS20S62041351			Sahil Deskmukh							
5 7 10 477						Saumitra Milind Kulkarni				
P2718147							Sheldon Sebastian			
6061110						Puneet Gupta				
5211407190330917								Puneet Gupta		
5726274						Govind nair				
IN001-215318-0270							Govind nair			
4404315						Vaibhav Rane				
6431 8071 9047 0951								Vaibhav Rane		
6000923						Deepak Singh				
5027 8111 9122 5316								Deepak Singh		
6257891						Shreya Prabhu				
P9272165							Shreya Prabhu			

8049 9071 9033 0842							Rizvi, Syed Mohd Quasim		
566087						Rizvi, Syed Mohd Quasim			
6430103						Sanjoli Singh			
8774 0101 9077 4813							Sanjoli Singh		
6323807190606791							Mhate Rahman		
6345023						Mhate Rahman			
6764137						Rahul Govindkumar			

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

Name of the award/ medal	National/ International	Sports/ Cultural	Name of the Student	Number of students	Adhaar Number/Admissi on Number
Second Position in Taekwondo	National	Sports	Akhilesh Shinde	1	2016PE0379
Certificate of appreciation	National	Cultural	Vani Nair	1	2017PE0275
Secured Third Position in sanghaganam	National	Cultural	Vani Nair	1	2017PE0275

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	Omsfree 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 : Computer Society of India (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	
2	Alegrian Hustle (1 on 1)	

3	Classical Solo	5th to 9th FEB 2020	
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		
9	Short Film Competition		
10	Fashion Show		
Category : Literary Arts			
1	Elocution	5th to 9th FEB	
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	152	1000	1,52,000

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 Time	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

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	Prof. Sushopti Gawade	AIDPK6503H	ISG-ISRS National Symposium in Shilong Meghalaya on 20th Nov - 22nd Nov 2019		4000
2	Dr. Sharvari Govilkar	AIPG2599J		CSI membership fees	1840
3	Prof. varunakshi Bhojane	AXUPK6572E		CSI membership fees	1840
4	Prof. Sushopti Gawade	AIDPK6503H	Women Scientist Idea Presentation	GOI+DST sponsored	5000 (GOI)
5	Prof. Sushopti Gawade	AIDPK6503H	Industry Academia Meet	GOI+DST sponsored	5000 (GOI)

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-6th July by Thodomal shahani engineering college	1st July - 6th July 2019
1	1 week FDP on Data Science Organized 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 coordinators 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 Organized 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 Thodomal 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 Chandigarh, 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 Organised 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 organized by mUniCampus	12th - 15th May 2020
2	One week FDP on "Swift(ISO) Programming 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, Philanthropist:

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Initiative
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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 organized Tree Plantation and River Clean Drive on 11th January 2020
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
3	PCE IQAC has organised a National Level Essay Writing competition on the topic "Role of Engineers in the Pandemic Situation like COVID-19" 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 organised 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 organised a webinar on Opportunities in Post COVID-19 India by Dr. Abhay Jere, CIO, MHRD, Gol , 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 organised a webinar on Use of ICT in Teaching Learning during lockdown on 18th march 2020
9	PCE IQAC has organised a Seminar on IPR by Preetam,Dr. N. K. Mohanty and Mr. Suneet Sabaleon 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 HC has organised an Idea generation workshop as part of business plan competition on 28 August 2019

59) Number of 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

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

PBL TOPICS : SE C [LINK FOR SEM III PBL REPORT](#)

Subject : Object Oriented Programming (OOPM)

Sr. No.	PBL Project title
1	Traffic Signal Demonstration using Applet
2	Contacts Manager
3	Application for school kids for Time & Currency Conversion for various Countries and to display its capital
4	Faculty Profile Generation
5	Find Best student of the year
6	Result Analysis of Students
7	I-CARD GENERATOR SYSTEM for Alegria
8	Employee Leave Management System for college office
9	Certificate Generator System
10	Java Applet to display Analog Clock

Subject : Data Structures (Mini Project/PBL)

Sr No	PBL Project title
1	Design Hash data structure with linear probing and double hashing as collision resolution technique
2	Check syntax of c program and give error, statement missing ;, if any statement is not terminated by semicolon
3	Construct a parse tree for the simple SQL query selectSELECT<select-list> FROM <from-list> WHERE <condition>
4	Check syntax of c program in terms of wellformness of parenthesis using suitable data structure
5	Implement CPU scheduling technique using suitable data structure
6	Implement Hashing with linear probing and Quadratic probing as collision resolution technique
7	Design Hash data structure with Quadratic and double hashing probing as collision resolution technique
8	Build a new datatype by the namevarchar to store variable length data, similar to varchar data type in DBMS softwares like Oracle, MySql, PostgrSql
9	Perform Polynomial operations using suitable data structure
10	Perform Rational number operations using suitable data structure
11	Implement UNDO and REDO functionality like text editor, WORD using suitable data structure
12	Provide efficient solution to travelling sales person problem using suitable data structure

13	Build an Expression tree using suitable data structure
14	Design a keyboard based menu navigation using suitable data structure e.g FILE with sub menu New, Open, Close, ...,Exit
15	Store C keywords or dictionary using suitable data structure
16	Build a new data type by the name date, which will accept date in the format dd-mm-yyyy (range of yyyy is 1900 to 2099). Using new data type, date, store student roll no, name, admission date in a file student.txt

PBL TOPICS : SE C [LINK FOR SEM IV PBL REPORT](#)

Sub : Computer Organization and Architecture Topics

Sr No	PBL Project title
1	Simulation for Unsigned Multiplication Algorithm
2	Simulation for Booth's Algorithm
3	Simulation for Non-restoring Division Algorithm(UNSIGNED INTEGERS)
4	Simulation for Non-restoring Division Algorithm(SIGNED INTEGERS)
5	Simulation for Restoring Division Algorithm
6	Simulation for IEEE 754 floating point format representation(32-bit)(Addition)
7	Simulation for IEEE 754 floating point format representation(32-bit)(Subtraction)
8	Simulation for IEEE 754 floating point format representation(32-bit)(Multiplication)
9	Simulation for IEEE 754 floating point format representation(32-bit)(Division)
10	Simulation for IEEE 754 floating point format representation(64-bit)

Sub : Computer Gra

Sr No	PBL Project title
1	Create Balloon shooting game
2	Create Animation of Varying star
3	Basic raster graphic editor
4	Tic-tac-toe game
5	Snake game

Sub: Open Source T

Sr No	PBL Project title
1	Designing web application for any sepcific domain
2	Extracting information from websites through web scrapping.
3	Design interactive GUI application using Tkinter for handling the data entry,deletion of any particular record,updating the information and viewing the entered records.
4	Optical Character Recognition is a technology that is used to extract textual information from any particular image. Create an application that uses optical character recognition software like Tesseract and combines it with a mobile application capable of capturing images from the mobile camera, allowing the user to extract textual data from any document they have physical access to.
5	Design a project to analyse the question papers of a subject and find how many questions from each module of the subject had appeared in the previous years. The project should determine which topics need to be given priority while studying for an exam.

Sub : Operating Syst

Sr No	PBL Project title
1	GUI based implementation of ls,mkdir,rmdir,cat commands in c or Java.
2	GUI based implementation of ls,open, read,write commands in c or Java
3	Menu driven web pages for all basic Linux commands.
4	Create GUI for Scientific calculator.
5	Search for a given pattern from a given file using grep commands also include wildcard characters.
6	Separation of parent child process using PIPE.
7	To explore file organization system
8	GUI based implementation of ls,mv,cp commands in c or Java

PBL TOPICS : TE C [LINK FOR SEM V PBL REPORT](#)

Sr. No.	PBL Project title
1	Movie Review Website
2	E commerce Website
3	Engineering website
4	Leave Management System
5	Music Library
6	Sports Website
7	Tourism Webpage
8	Online Room Rental System
9	Emotion Recognition of face
10	Sports Event Management
11	Job Consultancy Portal
12	Leave Management System
13	Consumer Rights Portal
14	Event Management System
15	Music Academy
16	Online Auction System
17	Garbage Management System
18	Insurance Management Portal

PBL TOPICS : TE ([LINK FOR SEM VI PBL REPORT](#))

Sr. No	PBL Project title
1	Different methods for parental control and monitoring of usage of devices connected to any home network.
2	IoT Based Early Flood Detection and Avoidance
3	Deduplication system
4	Hotel recommendation based on user preference analysis
5	Automated land use classification using AI/ML
6	Signature Processing in Handwritten Images
7	Human Activity Recognition Using Smartphones
8	Helmet Detection System
9	Smart Waste Management System for Crowded area
10	A Novel Approach to Provide an IoT based 3-Way Women Safety Device
11	Remote patient monitoring
12	Design and development of loan bank for agriculture
13	Intelligent Duty Chart Generation
14	Emotion Based Music Player
15	Query based candidate set document retrieval for improving search result
16	Recommendation Using Frequent Itemset Mining in Big Data
17	Natural language processing in mental health applications
18	Enhanced SDN Security using Firewall in a Distributed scenario

61) Details of the final year project:

Gr. No.	Sr. No.	Name of the Student	Project Title	Guide Name
C1	1	Irfat Kapde	To Demonstrate Lie Detector Using Artificial Intelligence	Prof. Suhas Lawand
	2	Salman Mapkar		
	3	Shubham More		
C2	1	Anusree Mohanan	Machine Learning in Financial Markets	Prof. Krishnendu Nair
	2	Pooja Iyer		
	3	Parag Iyyani		
	4	Adarsh Badyal		
C3	1	Kavya Mohandas	Machine Learning for Diagnosis of Diabetics	Prof. Varunakshi Bhojane
	2	Nivedita Mhatre		
	3	Pragati Patil		
	4	Darshan Maskar		
C4	1	Sitadevi Muthkhod	Optical Character Recognition of English Characters	Prof. Dhiraj Amin
	2	Meenu Madhu		
	3	Mebin Philip		
	4	Vivek Menon		
C5	1	Vinod Gupta	Child Safety and Tracking System for Mobile Devices	Dr. Sharvari Govilkar
	2	Balraj Singh		
	3	Saqiuzzaman Hossain		
	4	Pooja Ingale		
C6	1	Krtin Ahuja	Smart Traffic Signal to reduce Traffic using Machine Learning	Prof. Madhura Vyawahare
	2	Akshans Rautela		
	3	Himanshu Agarwal		
	4	M Anushchand Chandran		

C7	1	Pravinraj Nadar	Sarcasm Detection using Machine Learning	Prof. Rupali Nikhare
	2	Saqlain Dhanse		
	3	Dhanadarsh P. Kumar		
	4	Shubham Bavdhankar		
C8	1	Aparna Ashok Kumar	Blockchain based E-Voting System	Prof. Amol Kharat
	2	Betina Cherian		
	3	Abdul Basit		
	4	Albin Benny		
C9	1	Arya Anilkumar	Sign Language to Text Converter System	Prof. Shubhangi Chavan
	2	Athira Jayakumar		
	3	Sreelekshmi Menon		
	4	Aparna Nambiar		
C10	1	Siddhesh Hemade	Digitization of Property/Land Records using Blockchain	Prof. Sheetal Gawande
	2	Rokith Nair		
	3	Krithika Singh		
	4	Arvind Iyer		
C11	1	Vaibhav Adsul	Paraphrase Detection using NLP Techniques	Prof. Manasi Kulkarni
	2	Mrunal Badade		
	3	Jagruti Thombare		
	4	Akshata Deshpande		
C12	1	Nimit Tiwari	Centralised Firewall for Software Defined Networks	Prof. K. S. Charumathi
	2	Sheetal Khodbhaya		
	3	Sachin Mahto		
	4	Jishnu Unnikrishnan		
C13	1	Abhilash Dayanandan	Gesture Controlled Media Player	Dr. Prashant Nitware
	2	Akshay Chakkungal		
	3	Anooj Kommeri		
	4	Deepak Sunil Koppuliparambil		
C14	1	Pranav Kurup	E-Learning using Digital tool development for E- Governance	Dr. Sushopti Gawade
	2	Joelsam George		
	3	Rohit Hol		
	4	Bhuvan Krishna		
C15	1	Shruti Katkade	Chatbot System with Long Term Memories	Prof. Payel Thakur
	2	Ujjita Kerkar		
	3	Manish Gupta		
	4	Pravin Bhilare		
C16	1	Ankush Bari	Development of E- Marketplaces to connect Food Processors with Agripreneur/Farmers to bridge	Dr. Sushopti Gawade
	2	khushabu Agarwal		
	3	Ashita Karekadan		
	4	Anant Kumar		
C17	1	Rohit Franklin	Analysis for Road Accidents using Apriori, Naive and K- Means Algorithm	Prof. Madhu Nashupudimath
	2	Dnymish Patil		
	3	Sahil Deshmukh		
	4	Sarath Pillai		
C18	1	Saakshi Bhosale	An Application to convert Lip movement into Readable Text	Prof. Jinesh Melvin Y I
	2	Shivangi Jotshi		
	3	Rohan Bait		
	4	Rohan Bangera		
C19	1	Gaurav N Wadke	A new authentication mechanism using Multilevel password authentication	Prof. Dhiraj Amin
	2	Jisha Samuel		
	3	Nikhil Sable		
	4	Sudesh S. Kajava		
BE COMP B DIV				
C20	1	Vaishnavi Nazare	Route guiding Augmented realitybased Autonomous Humanoid Instructor (RAAHI)	Prof. Gayatri Hegde
	2	Athira PV		
	3	Mansi Sawant		
	4	Srishti Singh		
C21	1	Anupama Nair	Plagiarism Detection System for Text Document using NLP Technique	Prof. Sagar Kulkarni
	2	Asmita Nair		
	3	Gayatri Nair		
	4	Pratiksha Prabhu		
C22	1	Aathira Lakshmi Pillai	A Voice and Gesture Controlled Robot	Prof. K.S.Suresh Babu
	2	Sreelakshmi Pillai		
	3	Vaishak Nair		
	4	Anju Varghese		
C23	1	Kiran Khatkale	Abnormality Detection in Musculoskeletal Radiographs	Dr. Satishkumar L. Varma
	2	Gauri Raghuwanshi		
	3	Rohit PrasannaKumar		
	4	Shashank Pramod		

C24	1	Bhushan Chaudhari	Smart Blind Stick using Image Processing	Prof. Deepti Lawand
	2	Priyanka Dorugade		
	3	Hrushikesh Konde		
	4	Rehan Kondkari		
C25	1	Athira S Pillai	Emoticon Suggestion System using Natural Language Processing	Prof. Manasi Kulkarni
	2	Rahman Mhate		
	3	Ranjith Nair		
	4	Vyshak Nair		
C26	1	Suyash Paranjape	Secure Web Sign Up System	Prof. Suhas Lawand
	2	Kartikey Patel		
	3	Siddharth Pandya		
	4	Anandu Nair		
C27	1	Akhilesh Shinde	Intelligent CCTV Footage Search System	Dr. Prashant Lokhande
	2	Aniket Shinde		
	3	Priya Tiwari		
	4	Vivek Singh		
C28	1	Pranali Pashte	Gait Recognition for Biometrics	Prof. Payel Thakur
	2	Vinanti Pathare		
	3	Siddhesh Shivdikar		
	4	Abhijay Nair		
C29	1	Muhammad Tabish Quadri	Android based Secure and Smart Home Application using IoT	Prof. Ranjita Gaonkar
	2	Sanket Said		
	3	Riya John		
	4	Sandhya Patil		
C30	1	Krunal Rane	Vision based Road Hump and Speed Breaker Detection	Prof. Varunakshi Bhojane
	2	Romali Surve		
C31	1	Sachin Nair	Person Classification based on Spatio-temporal features from Kinect Skeletal Structure using Machine Learning	Prof. Prakash Bhise
	2	Vishnu Nair		
	3	Jitin Nambiar		
	4	Abhilash Nair		
C32	1	Dipesh Nair	Detection of Gender, Age and Emotion of an Image using Facial Features	Prof. Sujit Tilak
	2	Gautam Nair		
	3	Anoop Pillai		
	4	Sidharth Nair		
C33	1	Mayuresh Pitale	Image Completion using Feature Engineering	Prof. Aju Palleri
	2	Visal Rajeev		
	3	Nikhil Chandran		
	4	Rashmi Shettigar		
C34	1	Nachiket Sonawane	Smart Agricultural System	Prof. Krishnendu Nair
	2	Rohit Vishwakarma		
	3	Omkar Waikar		
	4	Arunesh Tajane		
C35	1	Praful Nair	Design and Implementation of High Interaction Honeypot to Trap and Track Cyber Attacks	Prof. K.S. Charumathi
	2	Vishak Nair		
	3	Karan Nair		
C36	1	Darshan Kothawade	Recognition of Labels for Hand Drawn Images	Dr. Prashant Nitware
	2	Kavitha Nair		
	3	Jatin Mhatre		
	4	Ibtisham Kazi		
C37	1	Vaishakhi Kabir	Application for Detecting Malware using Deep Learning Model	Dr. Prashant Lokhande
	2	Shalini Mahalunge		
	3	Iftesam Shaikh		
	4	Diksha Tiwary		
C38	1	Janhavi Patil	IoT based Smart Monitoring and Alert System for Water Consumption	Prof. Sangeetha Selvan
	2	Anjana Nair		
	3	Vipul Yadav		
	4	Atrey Grampurohit		
C39	1	Renuka Khot	Quora Question Duplication	Prof. Sujit Tilak
	2	Amol Dattu		
	3	Uday Patel		
	4	Pritam Patil		

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 Computer Engg encourages faculty members to use "E-Learning Studio" to record lectures of respective subjects in stipulated time of 10 minutes. E-Learning Studio" is an in-house developed Light Board and recording facility . Once recorded , these videos are shared with students via YouTube or other learning platforms. These online lectures allow the faculty to more easily incorporate interactive, audio-visual tools, digital resources, animation and simulations in their lectures. This allows students to review lectures and various concepts at home and then come to class and ask questions.

Department of computer engineering encourages students and faculty members to participate in eOutreach program conducted in collaboration with IIT Bombay Till date more than 30 faculty development workshops encompassing 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 Computer Engg. Faculty members and students borrow different components to create/demonstrate/experiment different concepts, systems or subsystems that they learn in the theory classes and beyond syllabus.

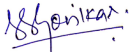
Skill based learning is facilitated with additional certificate courses, workshops and trainings which helps in improving their employability. Such courses and workshops are conducted after the normal working hours and mostly on weekends or during vacations.

Industrial visits to various software/hardware companies in and around Mumbai help students in understanding beyond 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.



**Head of Department
Department of Computer Engineering**