



Mahatma Education Society`s
Pillai College of Engineering
(Accredited A+ by NAAC)

Dr. K. M. Vasudevan Pillai's Campus, New Panvel



PCE ANNUAL REPORT
2019-20



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From Principal's Desk

Dear Readers,

Mahatma Education Society's Pillai College of Engineering, PCE, was established in 1999. The college is affiliated to University of Mumbai, approved by AICTE and recognised by Government of Maharashtra. PCE is one of the top colleges in India awarded A+ Grade by NAAC. The college has the enrollment of about 2700+ students in its 6 UG, 4 PG and 3 PhD research centers. PCE is known for interdisciplinary centers for excellence, infrastructure, value added courses, job oriented training programs, project based learning and the annual cultural festival named ALEGRIA - Festival of Joy.

This Annual report represents the activities carried out by PCE faculty and students during the academic year 2019-20. Progress of an Institute mainly depends on the participation and performance of the students in Curricular, Co-curricular and Extra-curricular activities carried out by the institute. We feel proud to put it on records that our students are achieving glories in various Curricular, co-curricular and Extra-curricular activities conducted at local, national and international levels time to time. Institute has initiated and implemented many activities and reforms to accomplish its prospective plan and succeeded in achieving them as per the plan. Institute has received A+ NAAC Accreditation Grade and is also on its path to receive academic autonomy. Almost 4500+ students have taken certification courses through various platforms like Coursera, NPTEL, IIT Spoken Tutorials, edx etc. Various initiatives have been undertaken to enhance placement and to make the students Industry ready. We have achieved 40% of Students Internships and 50% placement for this academic year. The ASK mentor mentee portal has been upgraded for automated Resume building of students. PCE has strengthened its bond with Alumni through an alumni association committee. This committee has organized around 6 technical talks/ workshops to give exposure to their fellow juniors about skill sets required by industries. During the COVID-19 pandemic period, various initiatives have been taken up by PCE faculty members to help the covid affectants in and around Mumbai. PCE NSS unit has been established in this academic year to contribute significantly in various social activities. PCE NSS unit has organized Tree plantation and riverside clean up drive to inculcate social / environmental responsibilities among students. PCE has adopted five nearby villages under Unnat Bharat Abhiyan (UBA) of the Government of India and has taken up few projects identified during the village surveys to address the problem faced by these villagers in their day today life.



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Our faculty has enriched their technical knowledge through various programmes related to pedagogy, technical aspects, management skills, development etc. conducted by various organizations as well as by our own institute. Student development programmes were conducted with a view to shape the personality of the students, enriching their practical and theoretical knowledge, improving their soft skills and hence increasing their placement.

We believe that one's interest and team efforts are vital in order to make full use of curricular, co-curricular, extracurricular activities and social opportunities available at PCE.

An engagement with Pillai College of Engineering will be an enriching experience for all our stakeholders. The years of higher education will prove vital to the professional growth of the youth. Our goal is to continue to prepare a future generation of engineers who are innovative leaders and creative problem solvers. PCE is committed to the utmost satisfaction of students, their parents and potential employers.

I am confident that with the contemporary education and strong moral values at PCE, our students will march ahead triumphantly to capture all glory and success in their professional, social as well personal life.

Technology is just a tool. In terms of getting the students working together and motivating them, the teacher is the most important. **-Bill Gates**



Acknowledgement

It gives us great pleasure and immense satisfaction to present the Annual Report of Pillai College of Engineering for the academic year 2019-20. The consistent growth of the institute seen in this report is possible due to the unstinted guidance and focused direction of **Dr. K M Vasudevan Pillai**, Honourable Chairman Mahatma Education Society, and **Dr. Priam Pillai**, Chief Operating Officer Mahatma Education Society.

Motivating guidance from **Dr P S Goyal** Dean R&D, administrative help from **Mr P Kumaran**, Registrar and untiring support by **Prof. Pragnesh Shah**, Director Admissions has always been the strength of PCE.

We express our sincere gratitude to respective head of the departments **Dr. Arun Pillai**, Applied Science Mathematics and Humanities, **Dr. Divya Padmanabhan**, Automobile Engineering, **Dr. Sharvari Govilkar**, Computer Engineering, **Dr. Rajendra Khade**, Electronics Engineering, **Dr. Avinash Vaidya**, Electronics & Telecommunication Engineering and IIC Coordinator, **Dr. Satish Varma**, Information Technology, **Dr. Dhanraj Tambuskar**, Mechanical Engineering, **Dr. Prashant Lokhande**, Training and Placement Officer, **Dr. Prashant Nitnaware**, PG and Ph.D Coordinator, **Dr. Manju Pillai** and **Dr. Sachin Wani**, Exam Cell Incharge.

We also express our sincere thanks to all **Criteria Incharges of NAAC** Dr. Rashed Ali, Prof. Jayshree B. Bhosale (C-1), Prof. Varunakshi Bhojane, Prof. Sonali Kathare, Prof. Rupali Nikhare (C-2), Dr. Satish Varma, Prof. Geeta Karmarkar (C-3), Dr Rashed Ali, Dr. Biswajit Panda (C-4), Prof. Apeksha Chavan, Prof. Payel Thakur (C-5), Prof. Amey Marathe , Prof. Rubina Shaikh (C-6), Dr. Richa Agrawal, Prof. Suchitra A. Patil (C-7) and their respective team members for timely response referring to data collection required for the compilation of the Annual Report.

We also acknowledge the contributions of student bodies and chapters namely **PCE Student Council** and it's Faculty Advisors Prof. Ranjita Gaonkar, Prof. Yogesh Kene, **IEEE** student members and Faculty Coordinator Prof. Padmaja Bangde, **ETSA** student members and Faculty Coordinator Prof. Apeksha Chavan, **ISHRAE** student members and Faculty Advisors Prof. Avinash Shaligram, Prof. Pruthviraj Rahane, **AESA-MESA** student members and Faculty Coordinators Dr. Onkar Sahastrabudhe, Prof. Amey Marathe, **Vanguard** Racing Team and Faculty Advisor Dr. Divya Padmanabhan, **Hyperion and Spark** Racing Team and Faculty Advisor Prof. Amey Marathe, **CSI and Hackathon** coordinator Prof. Varunakshi Bhojane, **TAPAS** team and Faculty Advisor Prof. Madhura Vyawahare, **Deep Blue** Coordinator Prof. Aju Palleri, **NSS** program officers Prof. Bhagwan More, Prof. Archana Ingole and **Nature Club** Faculty Advisor Prof. Biswajit Panda.



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We express our heartfelt gratitude to all PCE faculty members for their timely cooperation. Last, but not the least, we sincerely thank all our student chapter members, administrative staff and all others who have directly or indirectly contributed in making this Annual Report.

Last but not the least, a deep gratitude towards the dedicated efforts of **Dr. Richa Agrawal** and **Prof. Suchitra A. Patil**, Annual Report Coordinators, this report has seen the light of the day due to their sincere efforts.

Dr. Sandeep M. Joshi,

Principal,

Dr. Sharvari Govilkar and Dr. Monika Bhagwat,

IQAC Coordinators.



Introduction

Vision & Mission

Vision

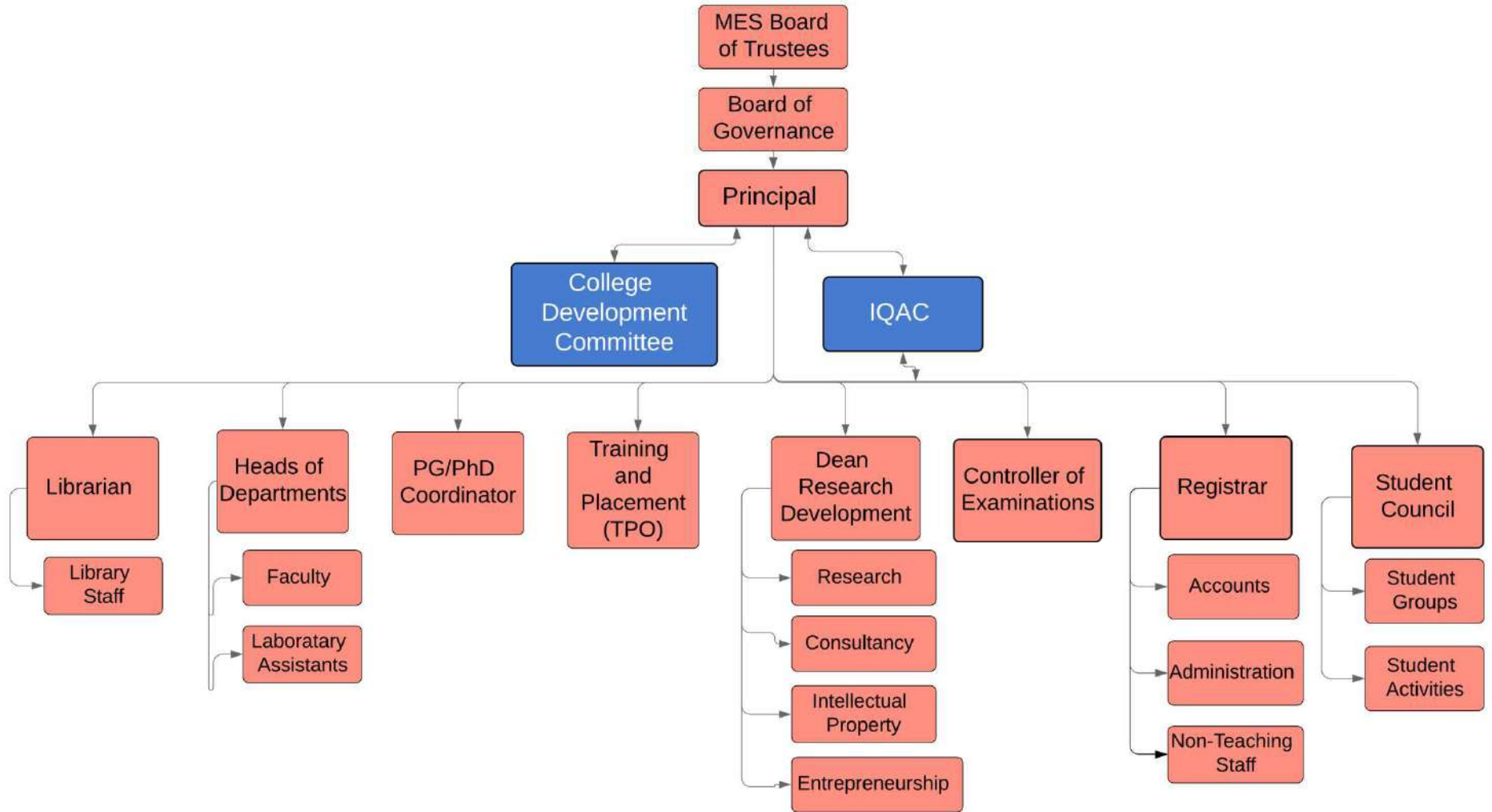
Pillai College of Engineering (PCE) will admit, educate and train a diverse population of students who are academically prepared to benefit from the Institute's infrastructure and faculty experience, to become responsible professionals or entrepreneurs in a technical arena. It will further attract, develop and retain, dedicated, excellent teachers, scholars and professionals from diverse backgrounds whose work gives them knowledge beyond the classroom and who are committed to making a significant difference in the lives of their students and the community.

Mission

To develop professional engineers with respect for the environment and make them responsible citizens in technological development both from an Indian and global perspective. This objective is fulfilled through quality education, practical training and interaction with industries and social organizations.



Organization Structure



Pillai College of Engineering Organogram



Board of Governance

Name of the Member	Status of Committee Member
Dr. K.M. Vasudevan Pillai	Chairman
Dr. (Mrs) Daphne Pillai	Member
Dr. Priam V. Pillai	Member
Mr. Franav Pillai	Member
Prof. Munawira Pillai	Member
AICTE Representative	Member
DTE Representative	Member
University Representative	Member
Mr. Kamlesh Bafna	Member
Mr. Maruti Bapu Pawar	Member
Mr. Satish Shetty	Member
Mr. Sanjay Bishnoi	Member
Dr. M. Sasikumar	Member
Dr. Bernard Menezes	Member
Mr. Pramod Jadhav	Member
Mr. Pramod Sadarjoshi	Member
Mr. Tushar Pradhan	Member
Prof. P.S. Goyal	Member
Dr. Nivedita Shreyans	Member
Prof. Pragnesh N. Shah	Member
Dr. Sandeep M Joshi	Member Secretary



Quality Assurance

Academic and Administrative Audit (AAA)

Academic and Administrative Audit (AAA), are very essential for the excellence in Higher Education. These are interrelated concepts. Thus in order to have a quality oriented academic, there should be a strong administrative background.

Academic Audit - Academic audit can be understood as a scientific and systematic method of reviewing the quality of academic process in the institution. It is related with the quality assurance and enhancing the quality of academic activities in the institute.

Administrative Audit - It can be defined as a process of evaluating the efficiency and effectiveness of the administrative procedure. It includes assessment of policies, strategies & functions of the various administrative departments, control of the overall administrative system etc.

Objectives of AAA:

1. To understand the existing system and assess the strengths and weaknesses of the Departments and Administrative Units and to suggest the methods for quality improvement and for overcoming the weaknesses.
2. To identify the bottlenecks in the existing administrative mechanisms and to identify the opportunities for academic reforms, administrative reforms and examination reforms etc.



Perspective Plan 2019-2024

Strategic Goals and Implementation Plan

Goal 1: Improve Teaching Learning

1. More Industry Involvement in curriculum development
2. Regular External Academic Audits
3. More Add-On/Certificate/Skill Development courses to be offered to students
4. Additional content on Institute’s E-Learning Portal and encouragement of MOOCs and NPTEL
5. Increase utilization of E-resources in the library

Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
Industry Involvement in Curriculum Development	Establish ad-hoc BoS for each department including industry experts	Implement add on courses prior to academic autonomy	Implement reformed curriculum with academic autonomy		
External Academic Audit	Academic Audit of ETRX and EXTC Departments	Academic Audit of Mech and Auto Departments	Academic Audit of Comp and IT Departments	Academic Audit of ETRX and EXTC Departments	Academic Audit of Mech and Auto Departments
Add on Courses	20	30	50	50	50
Student certifications from NPTEL/edX, etc.	500	750	1000	1000	1000
Library E-Resources	Include literature review in curriculum in FE-PBL	Mandate use of institute E-resources for PG and PhD students	Review effectiveness of new policies		

Goal 2: Increase Research Impact

1. Start four new Centers of Excellence in Polymer Science, Web Data Mining and Cyber Security, Solar Radiation Data Center
2. Start PhD Center in Electronics Engineering
3. Encourage publications in quality journals



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Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
New Centers of Excellence	Appoint faculty in charge of new centers of excellence	Make budgetary provisions for each Center	Review and Monitor Progress of each center	Review and Monitor Progress of each center	Review and Monitor Progress of each center
PhD Center in Electronics Engineering	Apply to University of Mumbai for PhD center in Electronics Engineering	Start PhD course in Electronics Engineering	Review and Monitor Progress of center	Review and Monitor Progress of center	Review and Monitor Progress of center
Publications in Quality Journals	10 publications in high impact factor journals	20 publications in high impact factor journals	30 publications in high impact factor journals	30 publications in high impact factor journals	30 publications in high impact factor journals

Goal 3: Improve Training and Placement

1. Have job offers to 100% of graduating final year students
2. Have faculty develop industry relevant case studies for each course being taught
3. 100% of students to be engaged in internships during the 4 years

Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
Job offers for 100% of final year students	50%	60%	75%	95%	100%
Industry relevant case studies for each course	10% of Courses	25% of Courses	50% of Courses	75% of Courses	100% of Courses
100% of Students engaged in internships	40% of Students	50% of Students	75% of Students	90% of Students	100% of Students



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Goal 4: Technology Transfer to Industry

1. Increase IPR and Patents generated by the institute
2. Partner with Industries for student/research projects
3. Establish MOUs with Industries for technology IP sharing

Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
Increase IPR and Patents generated by the institute	Establish IP committee to review patents submitted by faculty. Make budgetary provisions	3 patents	5 patents	10 patents	10 patents
Partner with Industries for student/research projects	20 Industry relevant Projects	30 Industry relevant Projects	40 Industry relevant Projects	50 Industry relevant Projects	50 Industry relevant Projects
Establish MOUs with Industries for technology IP sharing	5 IP related MOUs	10 IP related MOUs	10 IP related MOUs	10 IP related MOUs	10 IP related MOUs

Goal 5: Strengthen Alumni Engagement

1. Encourage all Alumni to follow the college on social media
2. Encourage Alumni to register on MES Alumni Platform
3. Improve PCE social media content
4. Increase the number of alumni events per year

Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
Alumni to follow the college on social media	Share PCE alumni pages widely on social media and institute email lists				
Alumni to register on MES Alumni Platform	Publicize PCE Alumni platform on social media	1000 registrations	1500 registrations	3000 registrations	All Alumni registered
Improve PCE social media content	Appoint more students to monitor and update institute social media	2-4 posts per week on each page	5-10 posts per week	5-10 posts per week	5-10 posts per week
Number of alumni events per year	4	10	10	10	10



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Goal 6: Have a greater impact on local community

1. Establish NSS
2. Increase the number of courses that incorporate environment and sustainability
3. Organize hackathons on various socially relevant topics
4. Adopt a local village
5. Organize a river side clean up drive
6. Increase Utilization of Renewable Sources of Energy

Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
Establish NSS Unit	Apply to University to establish NSS unit	NSS conducts 2 events per year	Review NSS Activities	Review NSS Activities	Review NSS Activities
Number of courses that incorporate environment and sustainability	2	5	5	5	5
Organize hackathons on various socially relevant topics	1	2	2	2	2
Adopt a local village	Identify a local village to adopt and identify projects that the institute can initiate for that village	Initiate one Project	Monitor the implementation of Project 1 and start a new project.	Review effectiveness of new project. Extend further support to village when required	
Organize a river side clean up drive	Organize annual river side clean up drive. Appoint Faculty Coordinator	Organize annual river side clean up drive	Organize annual river side clean up drive	Organize annual river side clean up drive	Organize annual river side clean up drive
Decrease energy consumption and increase utilization of renewable energy resources	Switching to low energy consuming gadgets/fixtures	Initiate energy audit and identify the possibilities of reduced energy consumption	Enhance the capacity of existing Solar PV plant	Review effectiveness of the steps taken towards the goal	



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Goal 7: To become an Autonomous Institute

1. Get NAAC accreditation
2. Get NBA accreditation of non-accredited departments
3. Establish department wise ad-hoc Boards of Studies to evaluate the curriculum
4. Increase stakeholder awareness about Autonomy
5. Apply to UGC for Autonomy

Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
NAAC accreditation	Apply for NAAC accreditation	Become NAAC accredited			
NBA Accreditation	3	4	6	6	6
Department wise ad-hoc Boards of Studies	Establish Department wise ad-hoc Boards of studies	Review functioning of Boards of Studies	Convert ad-hoc BoS into BoS	Review functioning of Boards of Studies	Review functioning of Boards of Studies
Stakeholder Awareness about Autonomy	Conduct 3-4 workshops on autonomy	Incorporate Autonomy related information on website	-	-	-
Apply to UGC for Autonomy	Preparation for Autonomy	Apply to UGC	Become Autonomous Institute		

Goal 8: Augment Institutional Income

1. Rent out facilities (classrooms, labs) to various Government and Private bodies for the conduct of examinations during holidays
2. Increase the amount of consultancy to the institute

Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
Rent out facilities (classrooms, labs)	Identify facilities that can be rented out such as computer labs, seminar halls etc	Advertise the availability of resources to various agencies and companies	No of rentals days 30	No of rentals days 50	No of rentals days 100
No of Consulting Projects	20	40	60	80	100



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Goal 9: Introduce 7th Pay Commission

1. Conduct financial analysis of the impact of 7th pay commission
2. Apply for increase in student fees

Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
Financial analysis of the impact of 7 th pay commission	Financial Analysis and Budgetary Provisions	Implement 7 th Pay Commission			
Increase in Student Fees	Apply for Increase in approved student fees	Apply for Increase in approved student fees	Apply for Increase in approved student fees	Apply for Increase in approved student fees	

Goal 10: Automate More Administrative Tasks

1. Automate tracking of NAAC and NBA related documentation
2. Further upgrade Mentor and Mentee Portal (ASK Portal)

Implementation Plan

Strategic Goal	2019-20	2020-21	2021-22	2022-23	2023-2024
Automate tracking of NAAC and NBA related documentation	Fully Automate online PBAS to capture NAAC and NBA documentation		Add any NAAC and NBA criteria	Add any NAAC and NBA criteria	Add any NAAC and NBA criteria
Further upgrade Mentor and Mentee Portal	Update Mentor and Mentee portal to track placement and Higher education data		Review Portal	Review Portal	Review Portal



Academics

Programs Offered

Bachelor of Engineering, Master of Engineering and Ph.D. Programs

Degree	Courses	Year of Establishment	Sanctioned Strength
BE	1. Information Technology	1999	120
	2. Computer Engineering	1999	120
	3. Electronics Engineering	1999	120
	4. Mechanical Engineering	2002	120
	5. Electronics and Telecommunication Engineering	2007	120
	6. Automobile Engineering	2009	60
ME	1. Information Technology	2008	18
	2. Computer Engineering	2009	18
	3. Electronics Engineering	2009	18
	4. Mechanical Engineering Thermal Engineering	2011	18
	5. Mechanical Engineering CAD/CAM & Robotoics	2008	18
Ph.D	1. Computer Engineering	2017	10
	2. Mechanical Engineering	2017	10
	3. Information Technology	2019	10



Status of Admission

Programme Name	Number of Seats Sanctioned	Number of Students Admitted
Automobile Engineering	60	33
Computer Engineering	120	120
Electronics Engineering	90	22
Electronics and Telecommunication Engineering	120	90
Information Technology	120	117
Mechanical Engineering	120	103
Computer Engineering (PG)	18	2
Electronics Engineering (PG)	18	0
Information Technology (PG)	18	3
Mechanical Engineering (PG)	18	13
Computer Engineering(PhD)	10	9
Mechanical Engineering(PhD)	10	9
Information Technology (PG)	10	4



Results

SEM VIII Results - May 2019

Sn	Branch	Students Appeared	Students Passed	Pass %
1	Automobile Engineering	76	79	96.2%
2	Computer Engineering	145	142	97.9%
3	Electronics Engineering	77	75	97.4%
4	Electronics and Telecommunication Engineering	133	110	82.70%
5	Information Technology	136	132	97.06%
6	Mechanical Engineering	152	138	90.8%

FE Toppers - May 2019

Rank	Toppers List	SGPI
1	Anant Jaiprakash Vishwakarma	9.7
1	Gharge Saloni Annasaheb	9.7
1	Pramod S Baviskar	9.7
2	Dange Girish Rajendra	9.59
3	Gadge Pratik Chandrakant	9.56
3	Nair Sidharth Shankaranarayanan	9.56



Faculty

List of Faculty

Sr. No.	Branch	Title	Last Name	First Name	Post
1	AUTO	Dr.	Padmanabhan	Divya	Professor
2	AUTO	Mr.	Marathe	Amey	Associate Professor
3	AUTO	Dr.	Talikoti	Basavaraj	Associate Professor
4	AUTO	Mr.	Jafri	Salim	Assistant Professor
5	AUTO	Mr.	Jain	Dipesh	Assistant Professor
6	AUTO	Mrs.	Kadam	Komal	Assistant Professor
7	AUTO	Ms.	Karmarkar	Geeta	Assistant Professor
8	AUTO	Mr.	Khakare	Pankaj	Assistant Professor
9	AUTO	Mr.	Menon	Krishnamohan	Assistant Professor
10	AUTO	Mr.	Nijasure	Ameya	Assistant Professor
11	AUTO	Mr.	Varghese	George	Assistant Professor
12	AUTO	Mr	Jadhav	Jayesh	Lecturer
13	AUTO	Mr	Mane	Shubham	Lecturer

Sr. No.	Branch	Title	Last Name	First Name	Post
1	COMP	Dr.	Govilkar	Sharvari	Professor
2	COMP	Dr.	Nitnaware	Prashant	Professor
3	COMP	Dr.	Gawade	Sushopti	Professor
4	COMP	Mrs.	Bhojane	Varunakshi	Associate Professor
5	COMP	Mrs.	Deshmukh	Manjusha	Associate Professor
6	COMP	Mrs.	Nikhare	Rupali	Associate Professor
7	COMP	Ms.	Gaonkar	Ranjita	Assistant Professor
8	COMP	Mrs.	Chitta	Preetika	Assistant Professor
9	COMP	Mr.	Sharma	Gaurav	Assistant Professor
10	COMP	Mr.	K	Suresh Babu	Assistant Professor
11	COMP	Mr.	Kharat	Amol	Assistant Professor
12	COMP	Mrs.	K S	Charumathi	Assistant Professor



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13	COMP	Mr.	Kulkarni	Sagar	Associate Professor
14	COMP	Mrs.	Lawand	Deepti	Assistant Professor
15	COMP	Ms.	More	Smita	Assistant Professor
16	COMP	Ms.	Nair	Krishnendu	Assistant Professor
17	COMP	Ms.	Selvan	Sangeetha	Assistant Professor
18	COMP	Ms.	Cherian	Mimi	Assistant Professor
19	COMP	Mr.	Vyawahare	Madhura	Associate Professor
20	COMP	Ms.	Thakur	Payel	Assistant Professor
21	COMP	Mr.	Tilak	Sujit	Assistant Professor
22	COMP	Ms.	Varghese	Blessy	Assistant Professor
23	COMP	Ms.	Shelke	Sunil	Assistant Professor
24	COMP	Ms.	Patil	Bhagyashri	Assistant Professor

Sr. No.	Branch	Title	Last Name	First Name	Post
1	EXTC	Dr.	Vaidya	Avinash	Professor
2	EXTC	Mrs.	Banerjee	Tusharika	Associate Professor
3	EXTC	Mrs.	Bhosale	Jayshree	Associate Professor
4	EXTC	Mr.	Shah	Pragnesh	Associate Professor
5	EXTC	Ms.	Chiramel	Liril	Assistant Professor
6	EXTC	Mr.	Gourkar	Swapnil	Assistant Professor
7	EXTC	Mr.	Kene	Yogesh	Assistant Professor
8	EXTC	Mrs.	Patil	Suchitra	Assistant Professor
9	EXTC	Mrs.	Patil	Pratiksha	Assistant Professor
10	EXTC	Ms.	Sharma	Harsha	Assistant Professor
11	EXTC	Ms.	Simon	Florence	Assistant Professor
12	EXTC	Ms.	Singh	Manisha	Assistant Professor
13	EXTC	Ms.	Waghmare	Sweta	Assistant Professor
14	EXTC	Ms.	Khedkar	Aboli	Assistant Professor
15	EXTC	Mr.	Riar	Ishmeet Singh	Assistant Professor
16	EXTC	Mr.	Tiwari	Dinesh	Assistant Professor
17	EXTC	Mr.	Menon	Shreekumar	Lecturer



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Sr. No.	Branch	Title	Last Name	First Name	Post
1	ETRX	Dr.	Goyal	Premasagar	Professor
2	ETRX	Dr.	Khade	Rajendrakumar	Professor
3	ETRX	Dr.	Purnaiah	G Sita	Professor
4	ETRX	Mrs.	Bhagwat	Monika	Associate Professor
5	ETRX	Mr.	Biradar	Ravi	Associate Professor
6	ETRX	Mr.	Harode	Ujwal	Associate Professor
7	ETRX	Dr.	Srivastava	Sanjeevkumar	Associate Professor
8	ETRX	Mrs.	Wadkar	Suman	Associate Professor
9	ETRX	Mrs.	Bangde	Padmaja	Assistant Professor
10	ETRX	Mr.	Bhagavatheeswaran	Hariharan	Assistant Professor
11	ETRX	Mrs.	Chavan	Apeksha	Assistant Professor
12	ETRX	Mrs.	Chikodi	Sneha	Assistant Professor
13	ETRX	Mrs.	Kathare	Sonali	Assistant Professor
14	ETRX	Ms.	Kharat	Meera	Assistant Professor
15	ETRX	Mr.	Mehta	Ameet	Assistant Professor
16	ETRX	Mrs.	Mishra	Seema	Assistant Professor
17	ETRX	Mrs.	Nair	Deepti	Assistant Professor
18	ETRX	Mrs.	Patil	Swati	Assistant Professor
19	ETRX	Ms.	Patole	Ruchira	Assistant Professor
20	ETRX	Ms.	Pillai	Uma	Assistant Professor
21	ETRX	Mr.	Saraf	Ajit	Assistant Professor
22	ETRX	Miss	Shaikh	Rubina	Assistant Professor
23	ETRX	Mr.	Vange	Anup	Assistant Professor
24	ETRX	Dr.	Shishir	Jagtap	Assistant Professor

Sr. No.	Branch	Title	Last Name	First Name	Post
1	ASM	Dr.	Pillai	Arun	Professor
2	ASM	Dr.	Pillai	Manju	Professor
3	ASM	Dr.	Saxena	Snigdha	Professor
4	ASM	Dr.	Murarka	Anshu	Associate Professor
5	ASM	Dr.	Panda	Biswajit	Associate Professor



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6	ASM	Dr.	Khandkar	Mahendra	Associate Professor
7	ASM	Dr.	Sharma	Malvika	Associate Professor
8	ASM	Mr.	Nikam	Ravindra	Associate Professor
9	ASM	Dr.	Wani	Sachin	Associate Professor
10	ASM	Dr.	Deulakr	Sundeep	Associate Professor
11	ASM	Dr.	Singh	Surabhi	Associate Professor
12	ASM	Mrs.	Ingole	Archana	Assistant Professor
13	ASM	Mrs.	Pachkawade	Darshana	Assistant Professor
14	ASM	Dr.	Shrivastava	Deepali	Associate Professor
15	ASM	Mrs.	Chaudhari	Kamini	Assistant Professor
16	ASM	Ms.	S	Kuberal. S	Assistant Professor
17	ASM	Mrs.	Potdar	Leena	Assistant Professor
18	ASM	Ms.	Pradhan	Lilly	Assistant Professor
19	ASM	Mr.	Kudre	Maheshkumar	Assistant Professor
20	ASM	Ms.	P	Neethu	Assistant Professor
21	ASM	Ms.	Nair	Rakhee	Assistant Professor
22	ASM	Mr.	Mhatre	Sangit	Assistant Professor
23	ASM	Ms.	Jondhale	Sneha	Assistant Professor
24	ASM	Mrs.	Medha	K Moorthy	Assistant Professor
25	ASM	Mrs.	Nikam	Sonali	Assistant Professor
26	ASM	Ms.	Gaikwad	Suvarna	Assistant Professor

Sr. No.	Branch	Title	Last Name	First Name	Post
1	IT	Dr.	Varma	Satishkumar	Professor
2	IT	Dr.	Lokhande	Prashant	Professor
3	IT	Mr.	Bhise	Prakash	Associate Professor
4	IT	Ms.	Hegade	Gayatri	Associate Professor
5	IT	Mrs.	Nashipudimath	Madhu	Associate Professor
6	IT	Ms.	Amin	Dhiraj	Assistant Professor
7	IT	Mr.	Chahal	Harjeet	Lecturer
8	IT	Ms.	Chavan	Shubhangi	Assistant Professor
9	IT	Mrs.	Gawande	Sheetal	Assistant Professor



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10	IT	Mrs.	Joshi	Smita	Assistant Professor
11	IT	Mrs.	Kulkarni	Manasi	Assistant Professor
12	IT	Mrs.	Lawand	Suhas	Assistant Professor
13	IT	Ms.	P	Sowmya	Assistant Professor
14	IT	Ms.	Palleri	Aju	Assistant Professor
15	IT	Mr.	Patil	Shweta	Assistant Professor
16	IT	Ms.	Y.I.	Jinesh Melvin	Assistant Professor
17	IT	Mr.	Verma	Swapnil	Lecturer
18	IT	Ms.	Benny	Stephy	Assistant Professor
19	IT	Ms.	Pranita	Pingale	Assistant Professor

Sr. No.	Branch	Title	Last Name	First Name	Post
1	MECH	Dr.	Joshi	Sandeep	Professor
2	MECH	Dr.	Pillai	Priam	Professor
3	MECH	Dr.	Tambuskar	Dhanraj	Professor
4	MECH	Dr.	Agrawal	Richa	Associate Professor
5	MECH	Dr.	Ali	Rashed	Associate Professor
6	MECH	Mr.	Miriyala	Durga N.K.P.Rao	Associate Professor
7	MECH	Mr.	Rahane	Pruthaviraj	Associate Professor
8	MECH	Dr.	Sahasrabudhe	Onkar	Associate Professor
9	MECH	Mr.	Shaligram	Avinash	Associate Professor
10	MECH	Mr.	Thokal	Gajanan	Associate Professor
11	MECH	Mr.	Babu	Binsu	Assistant Professor
12	MECH	Mr.	Kelkar	Jagdish	Assistant Professor
13	MECH	Mrs.	Kumbhar	Vaishali	Assistant Professor
14	MECH	Mr.	M	Shiva Pradeep	Assistant Professor
15	MECH	Mr.	Mane	Vinod	Assistant Professor
16	MECH	Mr.	Mehta	Lalit	Assistant Professor
17	MECH	Miss	Mondkar	Shilpa	Assistant Professor
18	MECH	Mr.	More	Bhagvan	Assistant Professor
19	MECH	Ms.	Parida	Sonali	Assistant Professor
20	MECH	Mr.	Shaikh	Mohammed Shahid	Assistant Professor



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21	MECH	Ms.	Thakur	Pranita	Assistant Professor
22	MECH	Ms.	Tupe	Jweshvari	Assistant Professor
23	MECH	Mr.	V	Sojan	Assistant Professor
24	MECH	Mrs.	Vedpathak	Meeta	Assistant Professor
25	MECH	Mr.	Verma	Tikaram	Assistant Professor
26	MECH	Mr.	Arun	Raju Koshy	Assistant Professor
27	MECH	Mr.	Verma	Manikant	Assistant Professor
28	MECH	Mr.	Rama Shanker	Ravi	Assistant Professor

Summary of PCE Faculty

Detail	Count
Total number of Faculty	151
Faculty completed Ph.D	30
Faculty pursuig Ph.D	29



List of Faculty Pursuing Ph.D

Sr. No.	Name of Faculty	Department
1	Ravindra Nikam	ASMH
2	Leena Potdar	ASMH
3	Kuberal S	ASMH
4	Kamini Chaudhary	ASMH
5	Archana Ingole	ASMH
6	Amey P Marathe	AUTO
7	Geeta Karmarkar	AUTO
8	Ameya Pradip Nijasure	AUTO
9	Sagar Kulkarni	COMP
10	Madhura Vyawahare	COMP
11	Mimi Miriam Cherian	COMP
12	Manjusha Deshmukh	COMP
13	Bhise Prakash Dayanand	IT
14	Gayatri H Hegde	IT
15	Madhu M Nashipudimath	IT
16	Dhiraj Amin	IT
17	Monika Bhagwat	ETRX
18	Ujwal Harode	ETRX
19	Suman P Wadkar	ETRX
20	Ravi Biradar	ETRX
21	Ameet Mehta	ETRX
22	Seema Mishra	ETRX
23	Pragnesh Shah	EXTC
24	Tusharika Banerjee	EXTC
25	Yogesh V Kene	EXTC
26	Gajanan N Thokal	MECH
27	Avinash G Shaligram	MECH
28	Pruthviraj P Rahane	MECH
29	Binsu Babu	MECH



Research Publications by Faculty

Department of Applied Science Mathematics and Humanities

Sn	Title of paper	Name of the Author/s	Name of Journal/ Conference	ISBN/ISSN number
1	Environment and Pharmaceutical Research	Manju Pillai, Surabhi Singh, Deepali Shrivastava, Biswajit Panda, Sonali Nikam	International Journal of Chemical (Submitted)	
2	Adjunct Octagonal Array Token Petri Nets	Kuberal S., Anshu Murarka	International Journal of Recent Technology and Engineering (IJRTE) (Submitted)	ISSN: 2277- 3878
3	The power of Hybrid Iso-Array Rewriting System	Kuberal S.	AIP Journal (Scopus) (Submitted)	
4	Triangular and Octagonal Tile Rewriting Grammars	Kuberal S.	IOP Publishing(Scopus) (Submitted)	

Department of Automobile and Mechanical Engineering

SN	Title of paper	Name of the author/s	Name of Journal / Conference	ISBN/ISSN number
1	Understanding the Requirements of the Indian IT industry using Web Scrapping	Dr. Priam V. Pillai, D Amin,	Procedia Computer Science 172	
2	Design and Development of Masticatory Robot	Binsu Babu, Dr. Priam V. Pillai	IOP Conf. Series: Materials Science and Engineering	ISSN 1757- 899X (Online)
3	Fuzzy c_means clustering approach for virtual cell formation	B E Narkhede, D.P. Tambuskar, R. D. Raut and S. S. Mahapatra	International Journal of Business Excellence (Inderscience)	



4	Design and analysis of the Scroll Expander with Next Generation Refrigerant in an ORC	Prof A G Shaligram	International Journal of Recent Technology and Engineering (IJRTE)	
5	Drone mapping of landfill sites in Western Maharashtra	Dr. Priam Pillai, Prof. Shridhar Deshmukh	National Symposium on innovation in Geospatial Technology for Sustainable Development with special emphasis on NER Shillong	
6	Understanding the Requirements of the Indian IT industry using Web Scrapping	Dr. Priam Pillai	9 th World Engineering Education Forum, November 2019 Chennai, India - Elsevier Procedia Computer Science	ISSN: 1877-0509
7	Development of Bench Top Biaxial Tensile Testing machine	Dr. Priam Pillai, Amar Jadhav	2 nd International Conference on Emerging trends in Manufacturing, Engines and Modelling (ICEMEM-2019)	
8	Design and Development of Masticatory Robot	Prof. Binsu Babu, Dr. Priam Pillai	2 nd International Conference on Emerging trends in Manufacturing, Engines and Modelling (ICEMEM-2019)	
9	Application of Queuing theory in Productivity Improvement - A case Study	Prof. Sojan V V	LAMBERT	ISBN : 978-620-0-58674-2
10	AHP Analysis of Factors for Adoption of Big Data Analytics in Manufacturing	Dr D P Tambuskar	5 th International Conference on Industrial Engineering (ICIE-2019) & 61 st National Convention of IIIE	
11	Easing the Transition : From a Student to a Working Professional	Prof. Avinash Shaligram	7 th International Conference on Transformations in Engineering Education, ICTIEE-2020	
12	Development of friction stir powder embedding tool	Dr. Onkar S Sahasrabudhe	Materials Today: Proceedings Volume 26, Part 2	ISSN 2214-7853
13	Crop Monitoring System	Dr. Onkar S	Proceedings of 4 th	Article in Press



	Using Image Processing	Sahasrabudhe	International Conference on Recent Trends in Science, Engineering and Mathematics	(E Proceedings Available)
14	Submerged Mechanism for Underwater Monitoring	Dr. Onkar S Sahasrabudhe	Proceedings of 3 rd International Conference on Inventive Material Science Applications	Article in Press (Upcoming Conference)
15	AHP Analysis of Factors for Adoption of Big Data Analytics in Manufacturing	Dr. D P Tambuskar	5 th International Conference on Industrial Engineering	
16	A review on Heat transfer & Flow Characteristics in Spiral tube	Dr. Rashed Ali	International Conference on Emerging Trends in Engineering and Technology	
17	Life Estimation of Circumferentially Notch Round Bars using J Integral	Dr. Richa Agrawal	International Conference on Advances in Mechanical Engineering, ICAME-2020	978-981-15-3639-7
18	Zirconia toughened allumina by slip casting and evaluation of its flexure behaviour	Dr. Divya Padmanabhan	International Journal of research & Analytical Reveiws	E-ISSN 2348-1269
19	Development of Composite Membrane for Desalination	Dr. Divya Padmanabhan	First International Conference on Recent Advances in Materials and Manufacturing	
20	Energy efficient cooling through radiation	Dr. Divya Padmanabhan	First International Conference on Recent Advances in Materials and Manufacturing	
21	Design and Analysis of Magneto-Rheological (MR) Damper	Prof. Amey Marathe	IEEE Technically Co-Sponsored 3 rd Biennial International Conference on Nascent Technologies in Engineering, ICNTE-2019	
22	Drone mapping of landfill sites in Western Maharashtra	Prof. Ameya Nijasure	National Symposium on innovation in Geospatial Technology for Sustainable Development with special emphasis on NER, Shillong	



Department of Computer Engineering and Information Technology

SN	Title of paper	Name of the author/s	Name of Journal / Conference	ISBN/ISSN number
1.	Multilingual Information Retrieval: Perceptions and Practices	Anjali Chachra , Dr. Sharvari Govilkar	Online International Conference on “Recent Trends in computer Science and Information Technology	
2.	Survey of Fake News Detection Techniques	Aswini Deshmukh, Dr. Sharvari Govilkar	Online International Conference on “Recent Trends in Computer Science and Information Technology	
3.	Recent Trends in Deep Learning Based Abstractive Text summarization	Neha Rane and Sharvari Govilkar	International Journal of Recent Technology and Engineering	ISSN: 2277-3878 (Online)
4.	Text Summarizer for Hindi	Kalpita Gawade, Sharvari Govilkar , Manisha Kumaran, Runali Kamble	Int.J.Computer Technology & Applications	ISSN:2229-6093
5.	Detecting Phishing Attacks Using Natural Language Processing and Deep Learning models	Fenny Zalavadia, Dr. Sharvari Govilkar Shubhangi Pandey, Priyanka Pachpande, Akshata Nevrekar	International Journal of Creative Research Thoughts (IJCRT)	ISSN: 2320-2882
6.	Hybrid Search Engine Ranking Algorithm with Re-ranking Approach	Nirali Arora, Sharvari Govilkar	Int.J.Computer Technology & Applications	ISSN:2229-6093
7.	Child Safety and Tracking Management system for Mobile Devices	Vinod Gupta, Saqiuzzaman Hossain, Balraj Singh, Pooja Ingale and Dr.Sharvari Govilkar	International Journal of Scientific Research in Engineering and Management (IJSREM)	ISSN: 2582-3930
8.	Detecting Paraphrases in Marathi Language	Shruti srivastav and Sharvari Govilkar	The International Journal of Smart Computing and Information Technology (IJSCIT)	



9.	Abstractive Text Summarization using Rich Semantic Graph for Marathi Language	Sheetal shimpikar and Sharvari Govilkar	Int.J. Computer Technology & Applications	ISSN:2229-6093
10.	e-Krishimitra Service Provider Tool in Agriculture	Dr. Sushopti Gawade	Women Scientist and Entrepreneurs Conclave , IISF 2019	
11.	e-Krishimitra - Novel approach in Agriculture Services	Dr. Sushopti Gawade	ISG-ISRS National Symposium 2019	
12.	E-Learning package for grape and disease analysis	Dr. Sushopti Gawade		e-ISSN 2395-0056
13.	Smart Cloud: A Self-Organizing Cloud	Gayatri Hegde, Madhuri Rao	4th International Conference on Inventive Computation Technologies	
14.	News Article Text Summarization Using Lex Rank and LSA Algorithm	Prerna, Sanket, Tanmay, Gayatri	IJSREM	
15.	Medicine Information Retrieval Application- PharmaGuide	Namrata Chetgiri, Arya Gopinath, Aishwarya Sundaresan, Gayatri Hegde	International Research Journal of Engineering and Technology (IRJET)	
16.	RAAHI : Route guiding Augmented reality based Autonomous Humanoid Instructor	Mansi, Shrishti, Athira, Vaishnavi, Gayatri		
17.	Taxonomy of Cyberbullying Detection and Prediction Techniques in Online Social Networks	Madhura Vyawahare, Madhumita Chatterjee	International conference on computing, power and communication technologies, GUCON 2019	
18.	Sentiment Analysis of Posts and Comments of OSN	Abhishek Chaube, Vaidehi Dani, Trupti Dhapola, Prof. Madhura Vyawahare	International Research Journal of Engineering and Technology (IRJET)	
19.	Survey on Detection and Prediction Techniques of	Vyawahare Madhura, and Madhumita Chatterjee	Advanced Computing Technologies and	



	Drive-by Download Attack		Applications: Proceedings of 2nd International Conference on Advanced Computing Technologies and Applications—ICACTA 2020	
20.	Polyphonic Music Generation	Vineet Tiwari, Pratheesh Shivaprasad, Rushikesh Pokharkhar, Prof. Madhura Vyawahare	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	
21.	Understanding The Requirements Of The Indian IT Industry Using Web Scrapping	Priam Pillai, Dhiraj Amin	9th World Engineering Education Forum 2019, WEEF 2019	
22.	Hate Speech Detection	Sonam Singh, Shivani Shinde, Subodh Nikumbh, Dhiraj Amin	IJIRT	ISSN: 2349-6002
23.	Multi-Level Authentication System	Gaurav N. Wadke, Nikhil Sable, Jisha Samuel, Sudesh Kajava, Dhiraj Amin	International Research Journal of Engineering and Technology (IRJET)	ISSN: 2395-0056
24.	Survey on IOT based system for agriculture	Abhishek D, Rahul C, Akshay C, Payel T	IJIRT	ISSN: 2349-6002
25.	A Survey on Gait Analysis as a Biometric System	Abhijay N, Vinanti P, Siddhesh S, Pranali P, Payel Thakur	International Journal of Latest Trends in Engineering and Technology	
26.	AI Based Chatbot System With Long Term Memory	Shruti Katkade, Urjita Kerkar, Pravin Bhilare, Manish Gupta, Payel Thakur	IJESC	ISSN 2321 336
27.	Implementation of Artificial Intelligence Based Chatbot System With Long Term Memory	Shruti Katkade, Urjita Kerkar, Pravin Bhilare, Manish Gupta, Payel Thakur	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
28.	Gait Analysis as a	Abhijay N, Vinanti P,	International Journal of	ISSN 2349-



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	Biometric System	Siddhesh S, Pranali P, Payel Thakur	Research and Analytical Reviews (IJRAR)	5138
29.	Intelligent IoT based System for Agriculture	Abhishek D, Rahul C, Akshay C, Payel T	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
30.	Identifying The Amount Of Fertilization Required for Rice Crops Using Image Processing System	Pratiksha Kharatkar, Manali More, Uma Pillai, Apeksha Gawand, Payel Thakur	Journal of Xi'an University of Architecture & Technology	ISSN No : 1006-7930
31.	Early Flood Monitoring System Using IOT Applications	Neha Suresh I, Ipsita Behera, Payal Bhagat, Payel Thakur	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
32.	An adaptive neighbour knowledge-based hybrid broadcasting for emergency communications	Manjusha Deshmukh, S.N. Kakarwal	International Conference on Computer Networks and Inventive Communication Technologies	
33.	Adaptive Routing for Emergency Communication via MANET	Manjusha Deshmukh	Book Chapter: The Internet of everything: Advances, Challenges and Applications", De Gruyter	
34.	Analysis of Hybrid Broadcasting Schemes in Mobile Ad-hoc Networks	Manjusha Deshmukh, Sangeeta Kakarwal	International Conference with the Theme "Digital Democracy - IT for Change	
35.	Multi-criteria decision making for routing process in MANET	Manjusha Deshmukh, Sangeeta Kakarwal	Book Chapter: Internet of Things, Smart Computing and Technology: A Road map Ahead from "Studies in Systems, Decision, and Control"	
36.	M-Commerce Shopping Using Nfc Technology	Deepti L. S. Lawand, P. Nitaware	International Conference on Intelligent Computing and Networking	
37.	Smart Blind Stick using	Deepti L, Bhushan	International Research	e-ISSN:



	Image Processing	Chaudhari, Priyanka Dorugade, Hrushikesh Konde, Rehan Kondkari	Journal of Engineering and Technology (IRJET)	2395-0056
38.	Automated Question Answering System for Effective e-learning	Deepti L., Aathira N., Dipanjan D	International Journal of Research And Analytical Reviews	e-ISSN 2348-1269
39.	MED-TRACKER: Android App For Medicine Tracking	Deepti Lawand, Sourabh S K., Shubham Ture, Shrutika Deokar	International Journal of Research and Analytical Reviews (IJRAR)	E-ISSN 2348-1269
40.	M-Commerce Shopping Using Nfc Technology	Suhas L. D.Lawand, P.Nitnaware	International Conference on Intelligent Computing and Networking	
41.	IoT based Smart Healthcare Monitoring System	Suhas Lawand, Reeya Wakchaure, Snehal Rokade, Diksha Varma	International Journal of Scientific Research in Engineering and Management (IJSREM)	ISSN: 2582-3930
42.	Two way Authentication for ATM Machine	Suhas Lawand, P.Nitnaware	International Conference on Intelligent Computing and Networking	
43.	Secure Web Signup System	Suhas Lawand, Anandu Nair, Siddharth Pandya, Suyash Paranjape, Kartikey Patel	Journal of Applied Science and Computations	ISSN NO: 1076-5131
44.	Predictive Analysis of Influence of Social Networking Sites on Students, Research Scholars and Academicians using Advanced Data Mining Techniques	Ashwini Brahme, Manasi Kulkarni, Sagar Kulkarni, Sunil Joshi	5th International Conference On “Innovations in IT and Management	ISSN: 0474-9030
45.	Survey on Detecting Key- Needs in Crisis	Shailesh Gupta, Abhay Gupta, Navin Joshi, Sagar Kulkarni	International Journal of Innovative Research in Technology	ISSN: 2349-6002
46.	Detection of Malicious Microblogs from Online Social Networking Sites using Natural Language	Sagar Kulkarni, Manasi Kulkarni, Ashwini Brahme, Shubhangi Chavan	5th International Conference On Innovations in IT and Management	ISSN: 0474-9030



	Processing (NLP) Techniques			
47.	Predictive Analysis of Influence of Social Networking Sites on Students, Research Scholars and Academicians using Advanced Data Mining Techniques	Ashwini Brahme, Manasi Kulkarni, Sagar Kulkarni, Sunil Joshi	5th International Conference On Innovations in IT and Management	ISSN: 0474-9030
48.	Detection of Malicious Microblogs from Online Social Networking Sites using Natural Language Processing (NLP) Techniques	Sagar Kulkarni, Manasi Kulkarni, Ashwini Brahme, Shubhangi Chavan	5th International Conference On Innovations in IT and Management	ISSN: 0474-9030
49.	Secured file storage using hybrid Cryptography	Madhu N, Ronak K, Tejas C, Anindita B	International Journal of Innovative Research in Technology	ISSN: 2349-6002
50.	Analysis Of Road Accidents Using Data Mining Techniques : A Survey	Dnymish Patil, Rohit Franklin, Sahil Deshmukh, Sarath Pillai	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
51.	Analysis Of Road Accidents Using Apriori, Nave Bayes And Kmeans	Dnymish Patil, Rohit Franklin, Sahil Deshmukh, Sarath Pillai, Prof. Madhu Nashipudimath	International Journal of Scientific Research in Engineering and Management (IJSREM)	ISSN: 2582-3930
52.	IoT Based Women and Children Safety System	Rupali Nikhare, Shrayesh Kanade, Siddhi Morajkar, Priyanka Borse, Vrutant Mehta	4th International Conference on New Horizons in Science, Engineering and Management and Humanities	ISBN:978-93-90103-00-3
53.	Driver Alert System to Detect Drowsiness and Distraction	Prachi Satbhaya, Priyanka Patel, Sudeepta Pillai, Rupali Nikhare	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
54.	IoT Based Women and Children Safety System	Rupali Nikhare, Shrayesh Kanade, Siddhi Morajkar, Priyanka Borse, Vrutant Mehta	Sustainable Humanosphere Journal	ISSN: 1880-6503



55.	Automatic Car Insurance using Image Analysis	Aniket Gupta, Jitesh Chogale, Shashank Shrivastav, Rupali Nikhare	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
56.	Sarcasm Detection using Machine Learning Techniques	Shubham Bavdhankar, Saqlain Dhanse, Pravinraj Nadar, Dhanadarsh Kumar, Rupali Nikhare	Journal of XI'AN University of Architecture and Technology	ISSN No : 1006-7930
57.	Aid for Blind People using IoT	Atharv Phadnis, Nikhil Nimbalkar, Shubham Pagar, K.S Charumathi	International Research Journal of Engineering and Technology (IRJET)	
58.	Centralized Firewall for Software-Defined Networking (SDN)	Sheetal Khodbhaya, Nimit Tiwari, Sachin Mahto, Jishnu Unnikrishnan	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
59.	DDOS Attack Detection and Mitigation using SDN	Adke Gurudutt, Soundattikar Kamakshi, K. S. Charumathi	International Journal for Scientific Research & Development	ISSN (online): 2321-0613
60.	Privacy Preserving For Mobile Social Networks Using Centralized Network Model	Divya Paunikar, Sami Sayed, Sakshi Singh, K.S.Charumathi	International Journal of Scientific Research in Engineering and Management (IJSREM)	
61.	Centralized Firewall for Software-Defined Networking (SDN)	Sheetal Khodbhaya, Nimit Tiwari, Sachin Mahto, Jishnu Unnikrishnan, K.S.Charumathi	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
62.	Fake news detection using Machine learning	Vignesh Iyer, Rohan Gore, Abhijit Dixit , Krishnendu Nair	International Research Journal of Engineering and Technology	e-ISSN 2395-0056
63.	Stock market prediction using Machine learning Techniques	Pooja Iyer, Parag Iyyani, Anusree Mohanan, Adarsh Badyal, Nair Krishnendu	International journal for science and Advance research in technology	e-ISSN 2395-1052
64.	Smart Agriculture System	Nachiket Sonawane, Omkar Waikar, Arunesh Tajane, Rohit Vishwakarma, Nair Krishnendu	International Research Journal of Engineering and Technology	e-ISSN 2395-0056
65.	Research and Analysis of	Tejas Patil, Atharva	International Research	ISSN:



	Smart Mirror	Pawar, Sahil Yadav, Aju Palleri	Journal of Engineering and Technology (IRJET)	2395-0056
66.	Semi-Supervised Learning based Fake Review Detection	Sushama Sharad Khilari, Kalpesh Ashok Patil, Kiran Krishna Solunke, Aju Palleri	International Research Journal of Engineering and Technology (IRJET)	E-ISSN: 2395-0056
67.	Image Completion using Feature Engineering in Convolution Neural Networks	Rashmi Shettigar, Nikhil Chandran, Visal Rajeev, Mayuresh Pitale, Prof. Aju Paleri	International Research Journal of Engineering and Technology (IRJET)	E-ISSN: 2395-0056
68.	Unauthorized Terror Attack Tracking System using Web Usage Mining	Akash Yadav, Minal Chudasama, Dipti Patil, Ranjita Gaonkar	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
69.	A New Adaptive Personalized E-learning System for Students with Dyslexia	Yamini Dalvi, Samiksha Gavand, Shradha More, Ranjita Gaonkar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	ISSN: 2321-9653
70.	Android Based Secure and Smart Home Application using IOT	Sandnya Patil, Muhammad Tabish Quadri, Riya John, Sanket Said, Ranjita Gaonkar	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
71.	Implementation of SDN Stateful Firewall at Data Plane Applying in Open Switch	Harsh Kasavalekar, Mayur Kachare, Prof. K. S. Suresh Babu	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056
72.	Multi-Key Privacy in Cloud Computing	Ankit Shetty, Rachana Vannal, Uzair Pawaskar, K. Suresh Babu	International Research Journal of Engineering And Technology	ISSN: 2395-0072
73.	Heart Health Classification and Prediction Using Machine Learning	Hardi Rathod, Pratik Kumar Singh, Nikita Tikone, Suresh Babu,	International Research Journal of Engineering And Technology	E-ISSN: 2395-0056
74.	Gesture Based Robot with Victim Detection using Audio	Anju Varghese, Vaishak Nair, Aathira Lakshmi Pillai, Sreelakshmi Pillai, Prof. Suresh Babu	International Research Journal of Engineering And Technology	E-ISSN: 2395-0056



Department of Electronics and Electronics and Telecommunication

S N	Title of paper	Name of the author/s	Name of Journal / Conference	ISBN/ISSN number
1	Robust Control of Solid State Transformer using Dynamic Phasor based model with dq transformation	Prof. Monika Bhagwat	IEEE North American Power Symposium (NAPS)	
2	Enhancing the performance of average throughput, end-to-end delay, drop packets and packet delivery ratio by using improved AODV (AODV+) routing protocol in ad-hoc wireless networks	Dr. Sanjeev Kumar Srivastava	Springer Journal on Smart Trends for Computing and Communications	
3	Study and Analysis of NOMA downlink transmission model in 5G wireless system	Dr. Sanjeev Kumar Srivastava	Journal on Information and Communication Technique for sustainable development-Springer (Accepted)	
4	Feature Extraction Techniques and Descriptors used in Image Retrieval System- A Survey	Prof. Ujwal Harode	JETIR	ISSN: 2349-5162
5	A Method for Manufacturing a Membrane	Dr. P.S Goyal	Patent Application No. 202021003922, dated 29-01-2020	
6	Structure and magnetic properties of Mn doped α -Fe ₂ O ₃	Dr. P.S Goyal	Physica B: Condensed Matter , Vol. 574 (Dec. 2019) 411663	
7	Automatic Gate System with Autofocus Camera Using Node-RED.	Ruchira Patole	Springer	
8	Design and Performance Improvements in an A6 Relativistic Magnetron Using Particle-in-cell Code	Tusharika S. Banerjee, Arti Hadap, Ayush Saxena & K.T.V. Reddy	Journal of Electrical and Electronic Engineering-Horizon Research Publishing Corporation,USA	ISSN:2332-3280
9	Particle-In-Cell Simulation of a RBWO with Experimental Voltage Input Pulse and External Magnetic Field	Tusharika S. Banerjee, Arti Hadap, Ayush Saxena & K.T.V. Reddy	Physics Open -Elsevier	ISSN 2666-0326



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10	Sheet Beam Driven Metamaterial based Backward Wave Oscillator	Tusharika S. Banerjee, Arti Hadap, Ayush Saxena & K.T.V. Reddy	Accepted at IEEE International Conference on Plasma Sciences-2020 under Nuclear Plasma Sciences society for full paper – Oral Presentation at Singapore	
11	Enhanced efficiency of C-band Sheet Beam Driven Backward Wave Oscillator Guided by Periodic Magnetic Field	Tusharika S. Banerjee, Arti Hadap, Ayush Saxena & K.T.V. Reddy	Microwave and Optical Technology Letters- Wiley Publications (received reviews)	
12	Performance analysis of Image coding methods using wavelet and noise shaping	Suchitra A. Patil	IEEE International conference on Inventive systems and control 2020	
13	Design and testing of Dielectric loaded high gain Microstrip Antenna	Dr. Avinash Vaidya	Antenna Test Measurement society India	ATMS India
14	Design and testing of Dielectric loaded high gain Microstrip Antenna	Prof. Ishmeet Singh	Antenna Test Measurement society India	ATMS India



Tie Ups

Name of the Institution/ Industry/ Corporate house:

M/s Rightsol Pvt. Ltd.

It is a Singapore based company running a web platform as well as an app called programminghub. The company is providing a software cost INR 5,00,000/- subscription per year. The company is providing it free of cost for one year to PCE. Along with this they are ready to offer placements, internships and projects as well.

Name of the Institution/ Industry/ Corporate house:

L&T training Madh Island Mumbai

L&T shall share with us their infrastructure for training , shall off load industrial projects to PCE, PCE faculty can be on training panel of L&T and video content of L&T can be used by PCE.

Name of the Institution/ Industry/ Corporate house:

Taloja Industries Association





TIA enters into historic tie-up with Pillai Group of Institutions for Academic and Industrial Collaboration



By Chandrashekhar Hendve

NAVI MUMBAI: Taloja Industries Association (TIA), which embodies multiple Industries in Taloja MIDC Industrial belt, comprising of over 987 Industries and employing over 3 lakh people, has signed Memorandum of Understanding (MOU),

with ten colleges, under the aegis of Mahatma Education Society's (MES) Pillai Group of Institutions in Panvel and Rasayani, on Monday, 27th January, 2020. MES spans Architecture, Arts, Commerce & Science, Education, Engineering, and Management

streams.

MoU signing function was held at MES's campuses at New Panvel and Rasayani, under the leadership Mr Satish Shetty (Anna), Hon. President, TIA, and Dr K M Vasudevan Pillai, Founder-Chair-

Contd. on pg. 2

Name of the Institution/ Industry/ Corporate house:

Bridge Labz

Duration:

03 years, expendable upto 5 years

List the actual activities under MoU:

Collaboration for:

1. Campus recruitment
2. Training and Workshops in cutting edge areas of engineering and technology

Number of students/teachers participated under MoUs

Training to selected students every year



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Name of the Institution/ Industry/ Corporate house:

MEAI, Mining Engineers Association of India, Mumbai Chapter



MEAI Skill Tech Center will come in existence through this MoU. Skill Development Programs will be conducted through this center to convert PCE Students to Industry Ready Engineers.

List the actual activities under MoU:

Collaboration for:

1. Internship
2. Apprenticeship
3. Training
4. Workshop and Placement Opportunities



Faculty Activities

Guest Lectures, Seminars & Expert Talks

Sr. No.	Name of Activity	Department	Date	Organiser	Speakers
1	"Preparing for Higher studies Abroad"	MECH AUTO	19 th July 2019	Divya Padmanabhan	Tejas Kamath (Alumni)
2	Seminar on "Guidance for final year Project Selection" for Final year students	PCE Alumni association	23 rd July 2019	Prof. Apeksha C Prof. Anup V	Mr. Akhil Nair
3	Seminar on " Web technologies : Industry perspective"	COMP	2 nd August 2019	Prof. Harjeet C	Industry experts: Neeraj Gupta and Vishal shetty
4	Seminar on "Deep Blue : Project orientation " by Majesco	COMP IT	7 th August 2019	Prof. Gaurav Sharma	Expert from Majesco
5	Talk on IoT and Sensors	Institute	14 th Sept 2019	Dr. Priam Pillai	Dr. Animesh Kumar and Dr. Pramod Murali, EE, IITB
6	Seminar on Advanced python programming by TCS	COMP IT	17 th September 2019	Dr. Prashant Lokhande	Experts from TCS
7	"Relevance of Materials in Engineering"	MECH AUTO	17 th Sept 2019	Divya Padmanabhan	Anagha Bhide
8	Seminar on Cyber security by Industry expert	COMP IT	27 th September 2019	Dr. Prashant Lokhande, Prof. Raki M, Prof. Sagar K, Prof. Gaurav Sharma	Nikhil Shinagade, Technical Head, Ignicia Technologies
9	Ugam solutions Expert Talk	Institute	10 th Feb 2020	-	
10	Talk on "Research Career Opportunities in Science & Technology"	Institute	15 th Feb 2020	-	Dr. Umesh Kumar Sharma (DST, New Delhi)
11	Seminar on IPR	Institute	17 th Feb 2020	Dr. P. S. Goyal, Dr. R. S. Agrawal	Dr. N. K. Mohanty and Mr. Suneet Sabale



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12	Seminar on “Data Science and why it matters?” / “Overview, Application & Opportunities	COMP	29 th February 2020	Dr. Prashant L and Dr. Sharvari Govilkar	Mr. Aayush Shah, Mr. Suneet Mehta
13	Alumni Expert talk	COMP IT	13 th March 2020	Dr. Sharvari Govilkar	Mr. Nishant ravale : Alumni pass out batch 2006
14	Seminar on "How to conduct and write a Literature Review: A starting point to good research".	MECH	28 th March 2020	Dr. Priam Pillai	Dr. Piam Pillai
15	Expert talk on " Trends in Software Testing" through Google Meet	IT	5 th April 2020	Dr. Satishkumar varma	Mr. Shiv P, Test Lead, Arrk Solutions
16	MIC Leadership Talk Series	IIC	7 th April 2020		List
17	Expert talk on " Technology and you " through Google Meet	IT	10 th April 2020	Dr. Satishkumar varma	Puja Leekha Storage Technical Sales Leader
18	Seminar on "How to Write a Research Paper?"	EXTC	13 th April 2020	Dr. Avinash Vaidya	Dr. Avinash Vaidya
19	MHRD's Innovation Cell - Online Sessions	IIC	28 th April – 22 nd May 2020	MIC/IIC	
20	Expert talk on " Microsoft Azure " through Google meet	COMP	2 nd May 2020	Dr. Sharvari G, Prof. Sheetal G, Prof. Suresh Babu	Mandar Kulkarni Lead - Azure Cloud Solution Architects (OCP) at Microsoft
21	Expert talk on "IOT and Start-up opportunities after Covid 19 " through Google meet	COMP IT	6 th May 2020	Dr. Sharvari G , Dr. Sushopti G, Dr.Satsih V	Mr. Ajay Kumar Godra
22	Talk on “Why should They Hire You”	PCE Alumni Association	13 th June 2020	PCE Alumni Association	Mr. Vishnu Nair and Akhil Menon



Highlights of Guest Lectures, Seminars & Expert Talks

Seminar on "Web technologies: Industry perspective" for Third year students

The seminar was conducted on 2nd August 2019 at 6th floor mini-auditorium in Pillai College of Engineering, New Panvel. The seminar was attended by 143 students of TE- COMPS (A and B Division) of Pillai College of Engineering. Dr. Sharvari Govilkar, HOD of Computer department and Dr. Satish Kumar Verma HOD of Information Technology inaugurated the seminar.

Goals of the seminar:

- To provide an opportunity to students to broaden their knowledge on the subject Web Technologies which they are studying currently in Sem-V.
- To know real-time career opportunities and industry trends in web technologies.
- To interact with students and guide them for a proper path towards their interest and role in the web development field.

Seminar Session Topics:

- To understand what is Web Technology and understanding the basic terminologies related to it. (Concept of client side/ Server side scripting and basic terminologies related to it.)
- Concepts of Javascript / Ajax / JDBC / MVC Frameworks / JQuery / API and how these play role in our industries and where actually does the technologies fit in.
- 360 degree cycle from Client side development to Customer side usability.
- Few sample real time application demonstrations where these technologies are used.
- Current Career trends and growth in this field and future scope.

Career Guidance in the Web Development:

- To interact with students and guide them for a proper path towards their interest and role in the Software/Web development field.
- To know the real time career opportunities in web technologies.

Seminar Outcomes:

- Students of Third Year Computer engineering were able to understand the real time scenario of their curriculum and its relation with industry.
- Thorough guidance towards the current technologies in trend was explained.
- The type of approach actually used in industries were explained.
- Students were able to understand the real-time scenario in today's IT industry.
- Students were exposed to the knowledge of servers and JDBC connections with the servers along with the concepts of UAT and production deployment.
- Students were able to understand use of Servlets, Javascript, JQuery, Ajax Technologies. How they are useful in client and server side scripting. How the process takes place from developers level to customer delivery.
- It helped students to understand JSP and its application in real time. Where JSP fits in the Web development process in industry with real time examples



Felicitation of Guest Mr. Neeraj Shetty by HoD Computer Department, Dr.Sharvari Govilkar and the experts explaining the concepts to the students via PPT.

Seminar on: Cyber security by Industry expert

The seminar on Cyber Security was successfully conducted on 26th September, 2019 at Pillai College of Engineering, New Panvel. Seminar was arranged by department of computer engineering in coordination with placement cell. It was arranged for all students of Final year (all branches). More than 400 students attended the seminar. Seminar was arranged and organized by Cyber Security subject in-charges: Dr. P. S. Lokhande, Mr. Gaurav Sharma, Mrs. Madhura Vyawahare, Mr. Sagar Kulkarni, Nikhil Shinagade, Technical Head of Ignicia Technologies And A Renowned Cyber Consultant (Mumbai). The Aim for conducting the Seminar was to have Practical & Interactive session with students and educate the Students on the Scope Of Career Opportunities & Future Prospects in the Cyber Security Domain. Ignicia Technologies Pvt. Ltd is a leading information security and ethical hacking company and Training institute providing cutting edge security services in the areas of application, operational security to enterprises, Ignicia Technologies Pvt. Ltd helps their organizations secure their data from cyber-attack. Ignicia Technologies Pvt. Ltd provides a wide range of services in the areas of penetration testing, vulnerability assessment, SIEM treating management and security awareness training.



Event Photograph



Talk on “Research Career Opportunities in Science & Technology”

A talk on Research Career opportunities in Science and Technology was organized on 15th February, 2020 at 11.30 am in Mini Auditorium. The talk was delivered by Dr. Umesh Kumar Sharma, Scientist E from Department of Science and Technology, New Delhi. His main focus of the talk was on “How to write a research proposal for DST”. He made all aware of the various schemes available for sponsoring funds available under different government schemes. He also briefed about the eligibility and success rate of the various schemes. The points to be taken note of while writing any proposal was explained by him. MES chairman, Dr. K. M. Vasudevan Pillai, Principal Dr, Sandeep Joshi, Dr. Nivedita Shreyans, Dr. P. S. Goyal and faculty from different institutes attended the program. It was an motivating and informative talk for all the attendees.



Dr. Umesh Kumar from DST addressing the audience

Seminar on IPR

A Seminar on Intellectual Property Rights (IPR) was organized at Pillai College of Engineering on 17th February, 2020. The event was organized by Dr. P. S. Goyal and Dr. Richa Agrawal. It was schedule at 2.00 pm in Conclave. The guest of honor for the seminar was Dr. Priam Pillai, President IIC and the speakers were Dr. N. K. Mohanty, Joint Controller of Patents & Head of Office, Patent Office, Mumbai & Mr. Suneet Sabale, Founder & CEO, Brainiac IP Solutions, Pune. Dr. N. K. Mohanty has a degree in Electronics and Telecomm Engineering, has 9 years experience in Electronics and Telecomm Industry, 6.5 years experience as Examiner of Patents and Designs, 15 Years experience as Controller of Patents and Designs. He has been trained in EPO, Berlin in Search and Examination of Patent Application and also attended 6 months Study-cum-research Programme by JPO in Tokyo, Japan on topic-Harmonization of Patent Systems.



Dr. N. K. Mohanti Delivering the talk

Alumni Expert talk

This informative talk was organized Alumni association of PCE. The speaker Mr. Nishant Ravle is an alumnus of PCE. He passed out from IT in 2006. He runs his own Ravle consultancy services. Mr. Nishant shared his views about current trends in IT industry. He elaborated how IT industry evolved worldwide and in India. He explained how different technologies have emerged and how different kinds of skill sets are required for various aspects in IT industry. The session ended with interaction with students where their questions were answered by Mr. Nishant. Prof. Jinesh Melwin thanked the speaker for their valuable inputs and concluded the session.



Event Photograph

**Workshops**

Sn	Name of Activity	Department	Date	Organiser	Speakers
1	One day workshop on 'Moodle LMS for PCE teachers'	COMP IT	20 th July 2019	Prof. Varunakshi B & Prof. Dhiraj Amin	Varunakshi B Dhiraj Amin
2	Workshop on "Concept Based Teachers Training in Physics	FE	26 th July 2019	Dr. Arun Pillai, Prof. Anup Vanage	Prof. H. C. Pradhan— former
3	LateX	EXTC	9 th August 2019		
4	Workshop on Handling Emergencies and First Aid techniques	MECH AUTO	17 th August 2019	Divya Padmanabhan	Faizan Mohammed, Harshad Patil
5	Training Program on "Reliability Engineering	MECH AUTO	20 th August 2019	Manikant Verma	
6	'Workshop on LINUX'. IIT Remote Center	Institute	23 rd August 2019	Prof. Charumati K S	Experts from IIT
7	Workshop on "Polymer Processing & Characterization	FE	23 rd August 2019	Dr. Biswajit Panda , Dr. Deepali Srivastava	
8	Arduino	All	24 th & 27 th August, 2019	EXTC	
9	Workshop on "Application Programming Interface using Autodesk Fusion 360 Software"	MECH AUTO	26 th – 27 th August 2019	Dr. Richa Agrawal	Dr. Ramesh Pudale
10	Idea generation workshop as part of business plan competition	Institute	28 th August 2019	Celina Joy	Dr Priam Pillai
11	One Day Workshop on "eSim"	Institute	21 st September 2019	Prof. Sonali Kathare	Experts from IIT



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12	Workshop on Robotics	ETRX EXTC	24 th September 2019	Shridhar Deshmukh	Garvit dovere
13	Tableau Workshop	COMP IT	25 th September 2019	Priam Pillai	Priam Pillai
14	Workshop on Lean Canvas Model, RedBull University Challenge Launch	Institute	18 th October 2019	Abhishek Gaikar	Smedha Sarkar
15	Workshop on “R Programming Language” for Teachers	Institute	9 th November 2019	Mr. Amol Kharat	
16	Workshop on Networking Fundamentals	ETRX EXTC	1 st Feb 2020	Dr. Avinash Vaidya and Dr. R H Khade	Prof. Harsha Sharma
17	2 days hands on training workshop on IOT and its applications	COMP	1 st – 3 rd Feb 2020	Prof. Mimi Cherian and Prof. Stephy B	Prof. Mimi Cherian
18	Workshop on Business Intelligence using TABLEAU	ETRX EXTC	4 th Feb 2020	Dr. Avinash Vaidya	Dr. Priam Pillai
19	Workshop on Arduino	Institute	8 th Feb 2020	Prof. Ruchira Patole	
20	DST Inspire Event	Institute	11 th – 15 th Feb 2020	Biswajit Panda and Ameet Mehta	
21	One Day Workshop On C and C++ for Teachers	Institute	29 th February 2020	Prof. Aju P	
22	ONLINE workshop on “Writing Documents in LaTeX”	COMP IT	27 th April – 1 st May 2020	Dr. satsih V, Dr. Sharvari G , Dr. Sushopti G , Dr. Prashant N. Dr. Prashant L	Dr. Sanjay N. Talbar, Dr. Narendra Jadhav,
23	Workshop on Curriculum Development with learner Centric Approach	IQAC & ASMH	10 th - 14 th June, 2020		



Highlights of Workshops

Workshop on “Concept Based Teachers Training in Physics

Concept Based Teacher’s Training In Physics held on 25th and 26th of July 2019 *joint venture of Pillai College of Engineering, New Panvel and Homi Bhabha Centre for Science Education, TIFR, Mumbai.* The guest of Honour Prof. H. C. Pradhan—former Director at HBCSE— gave the key-note address, wherein he spoke on the common misconceptions about Physics, highlighting the objectives of teaching physics through various common examples. In his address, Prof. Pradhan, emphasised that subject knowledge should be organised and stressed the importance of project based learning. The event was graced by the presence of Dr. K. M Vasudevan Pillai, Chairman who emphasised the role of an ideal teacher and gave insights to how to make physics teaching interesting. A unique Game based learning session was conducted by Dr. Malavika Sharma and Prof. Deepti Nair from PCE. They emphasised the impact on learning by involving games in classroom. This was demonstrated through hands-on gaming activities that were unique creations of the speakers. Dr. Arun Pillai introduced teachers to Simulation based Teaching Pedagogy with hand on session. The event finally concluded with the valedictory address by Mr. Suhas Naik-Satam of Nehru Planetarium on the on-going Chandrayan 2 mission. Mr.Suhas Naik Satam also discussed a few astronomy related queries such, as why there are seven days in a week and does human life gets affected by planets. In all 40 participants, from various institutions spread all over Maharashtra, benefited from this unique workshop. Dr. Daphne Pillai, Chairperson, Management Board graced the occasion for the Valedictory Function as a Guest of Honour. She inspired the teachers with wonderful insights of a paradigm shift in teaching methods for the past 50 years.





Training Program on “Reliability Engineering

MES Pillai College of Engineering, Panvel has taken another lead to organize and conduct the value added program on Application and measurement of Reliability a well demanding program practice oriented of industries on August 20th, 2019 at their own campus. The aim of the program was to impart the knowledge about the usefulness, application and measurement of reliability to engineering students as well as for practicing engineer from industry for their future challenges. The program received overwhelms response from primarily from our own college student. one from other college and from industry. Total eighty seven participants have attended the program. The program was successfully organized and conducted by Mr. Mani Kant Verma and Dr. Anshu Murarka, experienced faculties - from our institute. Case studies, group exercises and Video display on subject were carried out to make the program more practical and interactive. The program was concluded with encouraging feedback of the participant, Dr. Dhanraj Tambuskar (HOD-Mech) and Dr P.Divyapadambham (HOD-Automobile Engg)



Event Photograph

Workshop on “Polymer Processing & Characterization”

Mahatma Education Society’s Pillai College of Engineering (PCE), New Panvel in association with Indian Centre for Plastics in the Environment (ICPE) and ONGC (New Panvel) organized Two day Workshop on “Polymer Processing and Characterizations” on 22nd and 23rd August 2019 for the faculties, researchers, scientists and UG and PG students who are interested in the field of polymer science and engineering. The first day of workshop consisted of invited talks by the eminent speakers from both academics and industries. The workshop started by the inaugural speech by our honorable principal Dr Sandeep M Joshi, followed by the talk of the following dignitaries:

- 1) Arup R Bhattacharyya, Professor, Dept. Of MEMS, IIT Bombay
- 2) Aresh Sarkar, Managing Director, Biocrux India Pvt. Ltd.
- 3) Ajay Panwar, Professor, Dept. Of MEMS, IIT Bombay



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- 4) Achintya Sen, General Manager, Clariant Chemicals Ltd.
- 5) Rajiv Kumar, Sr General Manager, Reliance Industries Ltd.

The speakers discussed the various aspects of polymer processing and their characterization with respect to structure properties co-relation. Further they also addressed the kind of research going on in industries and also on the present trends in the field of Polymer science and engineering.



Event Photograph

Arduino

Arduino is an open-source electronics platform based on easy-to-use hardware and software. Arduino boards are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor, turning on an LED, publishing something online. You can tell your board what to do by sending a set of instructions to the microcontroller on the board. The workshop was held in two batches on 23rd August, 2019 for SE EXTC student which was a great success. Another workshop for SE EXTC was held on 27th August by ETSA. The speaker for the workshops was Prof. Ruchira Patole and was assisted by our technical head Mr. Omkar Chauhan. The workshop commenced with a welcome speech by committee member. A short introduction was provided by speaker who conducted the workshop about the Arduino. During the workshop, students were trained to prepare their own Arduino projects with the help of coding which will help them in future. Students were provided with ultrasonic sensors, oled display and arduino. The speaker explained the connections which was followed by students. The result was arduino could successfully scan the distance of objects from the sensor. The students were introduced with the obstacle sensing drone which kindled the curiosity amongst the students to discover more and apply it to their respective ideas in the field



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of technology. Each workshop aimed at teaching the students about the basic arduino functions such as dealing with interfacing, handling of programming and removing errors, working of arduino Projects using arduino, compatibility with other components and some important features which are required to prepare projects. We also got great feedback from the students for conducting more such innovative and creative workshops which could be made into actions later. The workshop was a huge success.



Introducing drones and it's working to the students

Workshop on “Application Programming Interface using Autodesk Fusion 360 Software”

Department of Mechanical and Automobile Engineering, PCE jointly with Department of Mechanical Engineering, PHCET has organized a 2 Day Workshop on “Application Programming Interface (API) using Autodesk Fusion 360 Software “in collaboration with Autodesk on 26th and 27th August 2019. The workshop was very useful for all faculties under Mumbai University teaching CAD/CAM/CAE course of SEM VII under the CBCS Scheme. As the newly introduce module in the subject syllabus was a new area to explore for the faculties, the workshop was helpful to them in understanding the basic concepts of API and especially the hands on training session planned guided the participants for conducting practicals for the course.
Course Coordinator : Dr. Richa Agrawal, PCE and Dr. G. V. Patil, PHCET

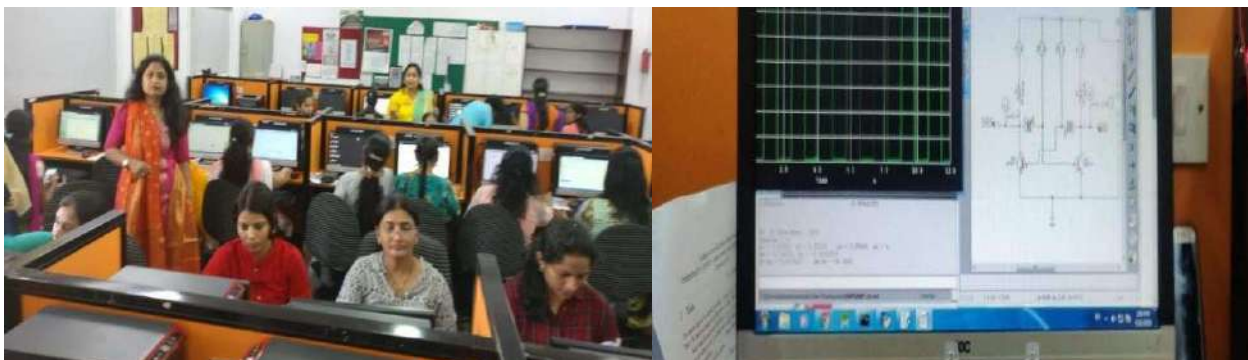


<p>About the Course</p> <p>The workshop is intended to cover various aspects of CAD/CAM/CAE and its application. With reference to the new syllabus of CAD/CAM/CAE for SEM VII under the CBCGS scheme, the workshop will help the participants to understand the basic concepts of API. API is new area and a concept which needs to be explored by the faculty for better understanding of the subject. The hands on training session planned will guide the participants for conducting practicals for the course.</p> <p>Course Content:</p> <ul style="list-style-type: none"> □ Future of Making Things □ Application Programming Interface □ 3D Part Design □ CAM (Digital Manufacturing) □ Assemblies & Joints □ Render, animation and drawing □ Simulation □ Design optimization □ Shape optimization □ Hands on Training □ Live Demo and Hands on Training Sessions 	<p>About</p> <p>Pillai College of Engineering established in 1999 is a flagship institute of Mahatma Education Society (MES), under the patronage of Dr. K. M. Vasudevan Pillai, which began its endeavor of Education for all with the Chambur English School in 1976.</p> <p>PCE has always sought to provide to its students a sound technical foundation while encouraging their natural talent. It believes that true success of engineering is in completing theory with practice. PCE is affiliated to University of Mumbai, approved by All India Council for Technical Education (AICTE) and accredited by National Board of Accreditation (NBA). It offers 3 postgraduate programs and has received a research center status from the University of Mumbai for the department of Mechanical Engineering, Computer Engineering and Information Technology. PCE is also a member of Indo-US Collaborative for Engineering Education (SUCCEE) consortium.</p> <p>Pillai VEC College of Engineering and Technology (PHCET) established in 2009 at Rashtreeya, on a 14 acre of lush green campus with more than 3,00,000 sq. ft of built up area comprising of spacious classrooms, well-equipped laboratories and workshops, new age computer facilities and a well-stocked library which provide a stimulating educational environment within the college.</p> <p>PHCET is affiliated to University of Mumbai, approved by All India Council for Technical Education (AICTE). PHCET is accredited with an 'A' grade by NAAC in First Cycle and accredited by National Board of Accreditation (NBA).</p> <p>Website PCE: www.pillai-college-of-engineering.com PHCET: www.phcet.ac.in</p>	<p>Two Days Workshop on</p> <p>Application Programming Interface (API) using Autodesk Fusion 360 Software</p> <p>at</p> <p>Pillai College of Engineering New Panvel</p> <p>on</p> <p>26th - 27th August 2019</p> <p>Jointly Organized by</p>
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One Day Workshop on “eSim”

Date : 21st September 2019

The first workshop in the IoT series will be on eSim. eSim is a Free/Libre and Open Source Software (FLOSS) EDA tool for circuit design, simulation and PCB design. It is an integrated tool built using FLOSS such as KiCad and Ngspice. eSim is released under GPL. eSim offers similar capabilities and ease of use as any equivalent proprietary software for schematic creation, simulation and PCB design, without having to pay a huge amount of money to procure licenses. Hence it can be an affordable alternative to educational institutions and SMEs. It can serve as an alternative to commercially available/ licensed software tools like OrCAD, Xpedition and HSPICE.



Event Photograph



Workshop on Networking Fundamentals

A one day workshop on ‘Networking Fundamentals’ was organized by the Department of Electronics and Electronics and Telecommunication on 01st February 2020 at PCE, New Panvel. Total 14 faculty members from both the departments attended the workshop. Prof. Harsha Sharma conducted the workshop. Topics covered were basics of routing and switching. Faculty members were also introduced to actual router and switch configuration. All faculty members enthusiastically attended the session. Alumni Jaydeep Iyer also shared his industrial experience on networking.



One Day workshop on Arduino for Teachers

The Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), also an initiative of MHRD, combines T10KT and Spoken Tutorials to provide large scale blended training. On this series a hands-on Arduino workshop, was conducted on Saturday, 08 February 2020 by IIT Bombay through their remote center at MES Pillai College of Engineering, New Panvel Remote Centre ID: 1100. Participants of this workshop were able to work with the hardware by listening to appropriate Spoken Tutorials. Arduino is an open source platform used for building electronics projects. A worldwide community of makers - students, hobbyists, artists, programmers, and professionals - has gathered around this open-source platform, their contributions have added up to an incredible amount of accessible knowledge that can be of great help to novices and experts alike.





Webinars

Sr. No.	Name of Activity	Department	Date	Organiser	Speakers
1	Webinar on “Research and Innovative Institutes”	MECH AUTO	14 th April 2020	Prof. Avinash Shaligram	Prof. Avinash Shaligram
2	Webinar on “Solidworks tips and tricks”	MECH AUTO	20 th April 2020	Prof. Binsu Babu Prof. Amey Nijasure	Prof. Binsu Babu Prof. Amey Nijasure
3	Webinar on "Career opportunities in PDM/PLM"	MECH AUTO	27 th April 2020	Dr. Dhanraj Tambuskar & Prof. Pruthviraj Rahane	Mr. Tushar Thora
4	Webinar cum Workshop on Automotive Design	MECH AUTO	8 th May 2020	Dr. Divya Padmanabhan & Prof. Amey Nijasure	Mr. Kunal Kashyap
5	Webinar on "Managing Exam stress and optimising mental well being"	PCE	11 th May 2020	PCE and PHCET The Students Council	Ms. Yvette Lee
6	Webinar on Geometric dimensioning and tolerancing (GD&T)	MECH AUTO	11 th , 13 th & 15 th May 2020	Prof. Amey Nijasure Prof. Binsu Babu	Prof. Amey Nijasure Prof. Binsu Babu
7	Webinar on "Antenna Design through Simulation Using TaraNG"	EXTC	18 th May 2020	Ameet Mehta and Avinash Vaidya	Mr. Swapnil Gaul, Founder and Director Numeregion
8	Webinar on "ANSYS Mechanical Applications"	MECH AUTO	21 st May 2020	Dr. Richa Agrawal	Ms. Sneha Mokal
9	Webinar on Online Teaching using Google Classroom & Google Meet	COMP	22 nd May 2020	PCE student Counsel	Prof. Suhas L and Prof. Deepti Lawand
10	Campus to Corporate	TPC PCE	24 th May 2020	Placement Cell	Mr. Anish Pillai



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11	Webinar on Transformation post COVID, an Emerging New World	MECH AUTO	24 th May 2020	Prof. Pruthviraj Rahane Prof. Geeta Karmarkar	Mr. Debdatta Acharya, Associate Director, Incertis, Pune
12	Seminar on Profile Building for Higher Education, Scholarships & Placements.	ETRX	26 th May 2020	Ravi Biradar	PN Santosh, Co- founder Byju's
13	Webinar on Altair Hyperworks	MECH AUTO	28 th May 2020	Prof. Shilpa Mondkar Prof. Krishnamohan	Expert from Altair India
14	Webinar on “Immunity Boosting” by Fitness Coach Nutan Khimasiya: PCE PG Alumni	COMP IT	5 th June 2020	Dr. Sharvari G , Dr. Satsih V, Prof. Suhas L and Prof. Deepti Lawand	Internationally Certified Nutritionist and a Fitness Coach Nutan Khimasiya
15	2 days Webinar series on IOT: Need of Today	COMP IT	5 th – 6 th June 2020	Dr.Satsih V, Dr. Sharvari G , Prof. Payel Thakur, Prof. Krishna N , Prof. Jinesh M	Prof. Payel Thakur, Prof. Krishna N , Prof. Jinesh M



Faculty Development Program

Sr. No.	Name of Activity	Department	Date	Organiser	Speakers
1	One Week FDP on "R Programming"	MECH AUTO	29 th April – 3 rd May 2020	Dr. Richa Agrawal Prof. Shivapradeep	Through Spoken Tutorials
2	FDP on Scilab	EXTC ASHM	11 th – 15 th May 2020	Suchitra Patil and Archana Ingole	Dr. Dhiraj Magare
3	3 days ONLINE National level FDP on " Protecting YOU in cyberspace "	COMP IT	1 st – 3 rd June 2020	Dr. Prashant L, Dr. Sharvari G, Dr. Satsih V, Dr. Sushopti G , Dr. Prashant N.	Dr. Balsing Rajput, Mrs. Mandakini Chopade, Mr. Makarand Wagh, Dr. P. S. Lokhande Dr. Madhumita Chatterjee, Mr. Gaurav Sharma.
4	FDP on Antenna Design and Troubleshooting	EXTC	3 rd – 7 th June 2020	Ameet Mehta and Avinash Vaidya	From IIT, NIT, IIIT, ATMS, ISRO, Anritsu, entuple etc



Activities Conducted during COVID-19 Lockdown

Institute

Name of Activity	Date	Organiser
Use of ICT in Teaching Learning during lockdown	16 th March	All Heads of the Departments
Coursera Campus	1 st April	Dr. Avinash Vaidya
Curfew E-Pass		Prof. Dhiraj Amin
COVID-19 Quiz by Team UBA , PCE New Panvel	22 nd April	Dr. Sushopti Gawade
Online Mock CET for 12th Std students	22 nd April	Dr. Arun Pillai Prof. Dhiraj Amin
The Golden Jubilee Talk series – “Impact of Covid-19 on Placements and Internships; Action Plan” by Dr. Pramod Sadarjoshi	8 th May	PCE, PHCET and PIMSR
National Level Essay Writing competition on "Role of Engineers in the Pandemic Situation like COVID-19"	10 th May	PCE IQAC
Webinar on " Managing Exam stress and optimizing mental well being"	11 th May	PCE and PHCET Students Council, Prof. Ranjita Gaonkar, Prof. Yogesh Kene
Ideathon	15 th May	Dr. Arun Pillai Prof. Ameya Nijasure
National level Digital Art Competitions	20 th May	Student Council, Prof. Ranjita Gaonkar Prof. Yogesh Kene
Opportunities in Post COVID-19 India	21 st May	Dr. Avinash Vaidya
What is required for a successful research proposal	23 rd May	Dr. P S Goyal Dr. Avinash Vaidya
Workshop on Curriculum Development with learner Centric Approach	10 th - 14 th June	IQAC & ASMH
Talk on “Why should They Hire You”	13 th June	PCE Alumni Association.
Live Heartfulness Meditation Training Workshops 3 Days online Short Term Training Program for Students and Faculty Members	21 st - 23 rd June	PCE and Heartfulness Tapas
Webinar on Role of Plastic in Pandemic	27 th June	Centre of Excellence in Polymer Science and Engineering , PCE & Nature Club, PCE



Coursera Campus



Pillai Group of Institutions is allowed free registration of Coursera courses through their **mes.ac.in** email IDs. Students, faculty, alumni and staff are all eligible to improve their skills and abilities. Coursera offers thousands of courses taught by some of the best Universities in the world and upto September 2020 official certificates are completely free for all MES affiliates.

Curfew E-Pass

The poster features the Pillai Group of Institutions logo and the PCE Pillai College of Engineering logo at the top. The main heading is "CURFEW E-PASS" in large, bold, white letters. Below the heading, there are three bullet points in white text on a dark background. At the bottom, there is a URL in white text.

- E-pass application for movement for essential services in Navi Mumbai is live on Navi Mumbai Police website.
- Proud to announce that this application is conceptualized, designed and developed by a student and faculty of Pillai College of Engineering.
- Please use for essential movement only and not for any other purpose.

<https://epassnmpolice.pce.ac.in/>



COVID-19 Quiz by Team UBA, PCE New Panvel

The banner features the Government of India emblem, the PCE logo, and the Unnat Bharat Abhiyan logo. The text reads: **Unnat Bharat Abhiyan 2.0**, **उन्नत भारत अभियान**, and the motto **शिक्षित भारत - सक्षम भारत - स्वच्छ भारत - स्वावलंबी भारत - संपन्न भारत**. Below this, it states **AWARENESS QUIZ FOR COVID-19 (UBA 2.0)**.

Online Mock CET for 12th Std students

The advertisement is for the Mock CET platform, featuring the Pillai Group of Institutions logo and the text: **MOCK CET**, **Online platform for students to prepare for Engineering and Pharmacy entrance exams.**, **Acquaint yourself to the real exam environment.**, **Start preparing now.**, and the URL <http://mockcet.mes.ac.in>. It also highlights **FREE coursera COURSES FOR 100 TOP SCORING STUDENTS** and lists subjects: **PHYSICS, CHEMISTRY, MATHEMATICS, BIOLOGY**. The background shows students studying and a lightbulb icon.



Talk on “Impact of Covid-19 on Placements and Internships; Action Plan”

**Mahatma Education Society's
Pillai Institute of Management Studies & Research,
New Panvel**
organizes
'The Golden Jubilee Talk Series'
By the distinguished leaders from corporates, life-coaches, and prominent mentors.



Dr. Pramod Sadarjoshi
*FOUNDER & CEO, TALENTSMITH CONSULTING
Strategy; Transformation; Leadership; Start-up Architect;
Business Coach (Marshall Goldsmith Certified);
Independent Director.*

**Impact of Covid-19 on Placements
and Internships; Action Plan**
Friday, 8th May, 2020, from 12.00 noon to 1.30pm

Instant E Certificates will be issued to those participants who attend the entire session and fill up the feedback form online towards the end of session

NOTE - Registration is open till 4pm on 07-05-2020
attendance will be marked during the webinar for all attendees*

*Click on the link below to register for the webinar
<https://bit.ly/2VZuTZu>*



Dr. C K Sreedharan
Director - I/C,
Pillai Institute of
Management Studies & Research

Dr. Nivedita Shreyans
Webinar Moderator & Program Coordinator
Pillai Institute of Management Studies &
Research

Dr. Ashish Tripathi
Technical Coordinator
Pillai Institute of
Management Studies & Research

*#covid_19 #covid #lockdown #internship #placement #pimsr #pillai college
#pillaihoccollege #interns #jobs #talk #50years ofmes #corporate #impact #india*



National Level Essay writing competition on "Role of Engineers in the Pandemic Situation like COVID-19"

Internal Quality Assurance Cell of Pillai College of Engineering organized a National level Essay Writing Competition. The competition was open for all. Interested Indian Citizens submitted an essay on the topic Role of Engineers in the Pandemic Situation like COVID-19. The aim of the competition was to ascertain the role of Engineers in a pandemic situation. The essay submitted was evaluated by eminent experts. The maximum word limit for essay was 2500 words. All the participants were awarded with an E-Certificate and the winners received additional E-Certificate of appreciation.

Webinar on “Managing Exam stress and optimizing mental well being”

Pillai **PCE** **PHCET** Mahatma Education Society's Pillai College of Engineering Pillai HOC College of Engineering and Technology

A Webinar on

MANAGING EXAM STRESS AND OPTIMIZING MENTAL WELL BEING

Dear students,

Are you feeling anxious, stressed and getting tensed up about your competitive exams ?
Want to talk or share something about this ?

Don't worry students, the Students Council of Mahatma Education Society's Pillai College of Engineering, PCE and Pillai HOC College of Engineering and Technology, PHCET has arranged a webinar for addressing this issue and to hear all your problems and queries.

Speaker: Ms. Yvette Lee
Date: 11th May 2020
Time: 03:30 pm

- She has a Masters degree in Social Work, a diploma in Psychotherapy & Counselling
- She is the President of Soroptimist International Bombay Chembur
- She is associated with Pillai Group of Institutions as full time Counsellor.

For more information contact :
Nikhil Ghule :8369425082
Siddhesh Rane : 8928191091

[Click here to register](#)



Ideathon

Mahatma Education Society's
Pillai College of Engineering
 (Accredited A+ by NAAC)

IDEATHON 2020

HELP THE FRONTLINE WORKERS COMBAT COVID 19 PANDEMIC

WHAT'S YOUR IDEA?

PARTICIPATION	THEMES
Category 1: Students from Schools and Junior Colleges Category 2: Students from Diploma and Undergraduate courses (Any discipline)	1. PPE (Personal Protective Equipment) and Safety Gear 2. Innovative Idea for Social Distancing 3. Contactless Sanitization and Disinfection 4. Prediction Modeling and Simulation

First Prize: 5000
 Second Prize: 3000
 Third Prize: 1500

Submit your ideas <http://ideathon.pce.ac.in/registration.php>

Idea submission dates On or before 15th June 2020

Registration fees Rupees. 50/-

Contact for queries: Prof. Ameya Nijasure ☎ 7039062719

Email us @: fightcovid@mes.ac.in

In Association with:

Event Sponsors:

More information: <http://ideathon.pce.ac.in/>
 OR Scan QR code

Visit us at: www.pce.ac.in



National level Digital Art Competitions

Register here

Pillai

PCE
PILLAI COLLEGE OF
ENGINEERING

A+
NAAC

DIGITAL ART COMPETITION

Entry Fee: Rs. 30/-

1st Prize (Others): Rs. 1000/-

1st Prize (College): Rs. 500/-

1st Prize (School): Certificate

PCE _____
Student Council



Talk on Opportunities in Post COVID-19 India

Mahatma Education Society's
Pillai College of Engineering
Presents

The Golden Jubilee Talk Series
by distinguished leaders from corporates, life-coaches and prominent mentors

Opportunities in Post Covid-19 India

21 May 2020
11:30 AM IST

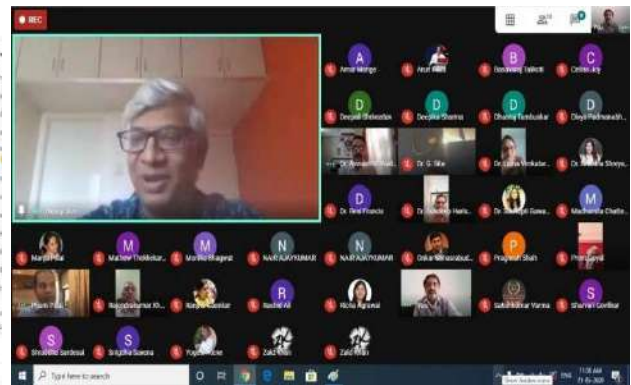
Dr. Abhay Jere
CIO, Ministry of HRD
Government of India

LINK FOR LIVE STREAM
<https://www.youtube.com/user/PillaiGroupOnline/live>

Contact:
Dr Sandeep M Joshi - +91 9373710001
Dr Avinash Vaidya - +91 98907 87361



Annual Report 2019-20





What is required for a Successful Research Proposal

Mahatma Education Society's
Pillai College of Engineering
presents

THE GOLDEN JUBILEE TALK SERIES
By the distinguished leaders from corporates, life-coaches and prominent mentors

Dr. V. Siruguri
Center Director, UGC-DAE Center
for Scientific Research, Mumbai Center

TITLE:
What is required for a
Successful Research Proposal?

DATE: 23rd May, 2020
TIME: 3:30pm

LINK FOR LIVE STREAM
<https://www.youtube.com/user/PillaiGroupOnline/live>

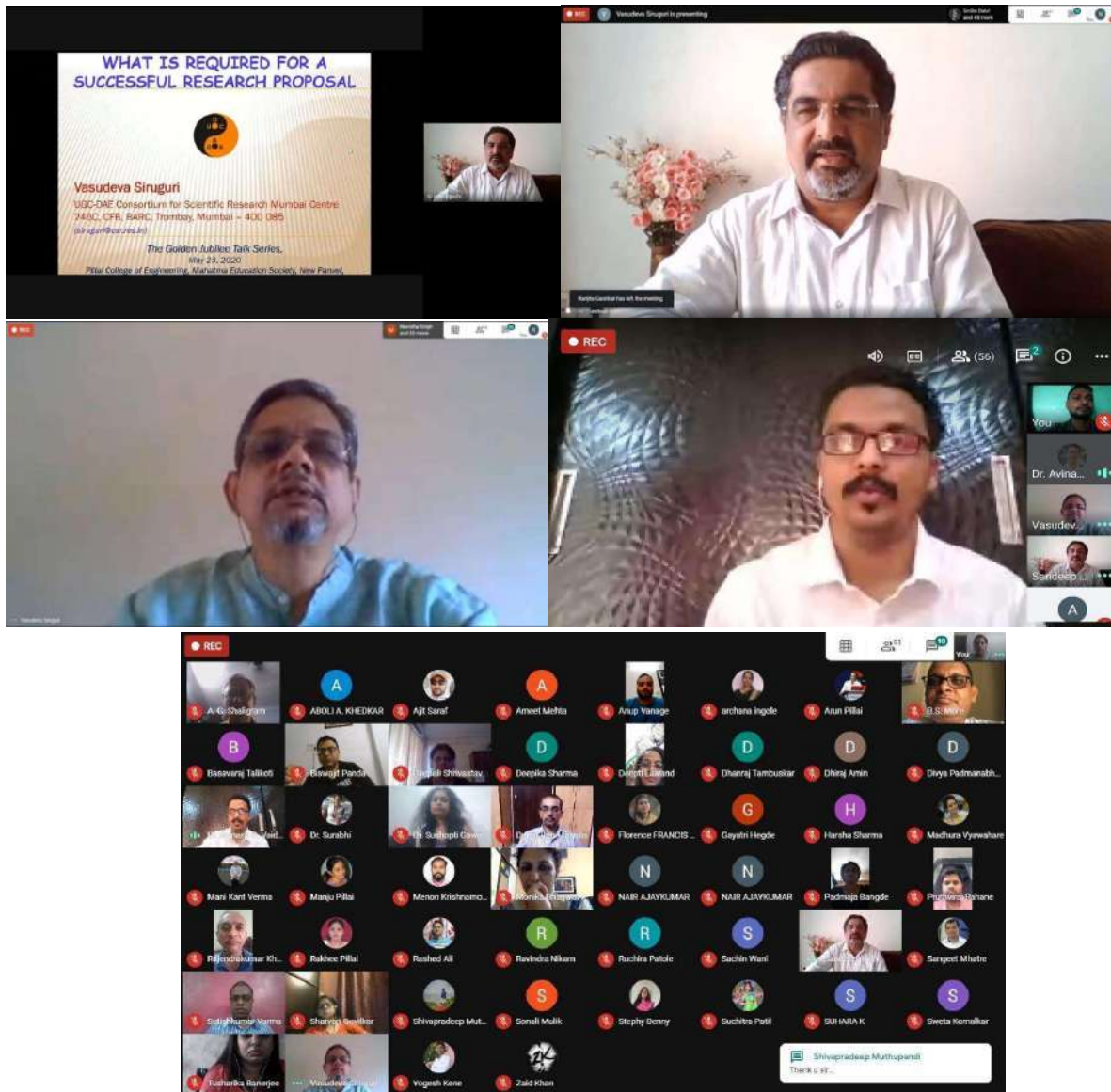
For more details, contact:
Dr. Sandep Joshi - +91-9373710001
Dr. Avinash Vaidya - +91-9890787361

Pillai College of Engineering has organized various webinars under the Golden Jubilee talk series of Mahatma Education Society. Huge responses were received from the academicians, researchers, teachers and students. One of the best webinars conducted for the researchers was by Dr. Vasudeva Siruguri (UGC-DAE Center for Scientific Research, Mumbai Centre, 246C, CFB, BARC) on 23rd May 2020 at 3.30PM. The webinar topic was "What is required for a successful research proposal?". This webinar was scheduled on Google meet and the entire session was broadcasted live on Mahatma Education Society's YouTube Channel. Many researchers and academicians have gained keen knowledge about how to write a great research proposal. Dr. Sandeep Joshi, (Principal, Pillai College of Engineering) welcomed and introduced the most honorable Dr. V. Siruguri, the speaker for the webinar. Dr. V. Siruguri began with the outcome based research proposals and highlighted the difference between normal research proposal and outstanding research proposal. Dr. V Siruguri also explained abstract, research problem domains, scientific background, Objectives, Expected outcomes, Methodology, work plan, and resources



Annual Report 2019-20

for research proposals. Dr. V. Siruguri convinced the audience about the importance of budget and Gantt chart. He also brief the various funding opportunities through UGC - DAE, BARC,etc. Dr. Avinash Vaidya on behalf of the participants asked some very important questions which were answered by our esteemed speaker for the day, through which some more points were made clear to the participants. Dr. Avinash Vaidya, on behalf of Pillai College of Engineering, then concluded the webinar by expressing his vote of thanks to the speaker for his insightful session and all the participants.












Workshop on Curriculum Development with learner Centric Approach

Mahatma Education Society's
Pillai College of Engineering, New Panvel
Internal Quality Assurance Cell (IQAC-PCE)
&
Department of Applied Sciences, Mathematics and Humanities (ASMH-PCE)
JOINTLY ORGANISES

WORKSHOP ON CURRICULUM DEVELOPMENT WITH LEARNER CENTRIC APPROACH (10-14 JUNE, 2020)

	Dr. Priam Pillai, COO, Mahatma Education Society <u>Entrepreneurship, Employability and Research : Expectations of Syllabus</u>	10th June 3:15 pm
	Dr. Hemant Abhyankar <u>Curriculum Design : Holistic Approach</u>	10th June 4:00 pm
	Dr. Bharatkumar Ahuja, Director, COEP, Pune <u>Curriculum Matters</u>	11th June 4:00 pm
	Dr. Ashok Shettar, V.C, KLE Tech Univ., Dharwad <u>Redefining Syllabus</u>	12th June 3:00 pm
	Dr. Udaykumar Dabade, SPA, Jaipur <u>Futuristic Curriculum Design</u>	12th June 4:00 pm
	Dr. Sishir Bhaduri, Dean, BSD University, Jaipur <u>Skill Based Development - Aspect of Syllabus Design</u>	13th June 4:00 pm
	Dr. Dilip Sarode, Head, Dept. of General Engineering, ICT <u>Industry Oriented Syllabus Framing</u>	14th June 4:00 pm

For registration kindly click on the following link :<https://forms.gle/MfhaU9mK8dbu3FwZ6>



Talk on “Why should They Hire You”

**PILLAI COLLEGE OF ENGINEERING
IN ASSOCIATION WITH
PCE ALUMNI ASSOCIATION**

JOB opportunities

VISHNU NAIR
BATCH :2015
EX-JOINT SECRETARY
CSI-PCE
CURRENTLY:ITA,TEAM LEADER
TCS

AKHIL MENON
BATCH :2015
EX-TECHNICAL SECRETARY ,
IEEE
CURRENTLY: ASSISTANT PROF.,
IOT,JAIN UNIVERSITY

**DATE: 13 JUNE 2020
TIME: 11 A.M**

**JOIN ON:
GOOGLE MEET**

**A TALK ON
WHY SHOULD THEY HIRE YOU??**
A SEMINAR PRIMARILY FOR THE STUDENTS
OF FINAL YEAR

THIS SEMINAR IS THE RIGHT PLACE FOR
YOU TO FIND ALL YOUR ANSWERS



Live Heartfulness Meditation Training Workshops

heartfulness tapas pce

THIS INTERNATIONAL DAY OF

heartful campus

Pillai College of Engineering
New Panvel, Navi Mumbai

In association with
Heartfulness Education Trust

Celebrates International Yoga Day
"Yoga For Compassion"

By organizing

Live Yoga and Heartfulness Meditation Training Workshops
3 days online short term training program
For the students and Faculty members

Sunday, 21st June to Tuesday, 23rd June, 2020
Time: 11.00 am to 12.30 pm

Register on the link below to book your seat
<https://bit.ly/2AGUTB6>

Sukhdeep Dhillon Sahijwani
Corporate lawyer
Yoga Trainer,
Fitness Corporate Coach
21st June, 2020

Mr. Tushar Pradhan
Chief Investment Officer,
HSBC Asset Management Company
Heartfulness Meditation Trainer
and Zonal Coordinator
Mumbai metro zone
21st June, 2020

Ms. Saloni Godhole
Co Founder and Director
Oceanic BioScience Pvt. Ltd.
22nd June, 2020

Mr. Shridhar Thoda
Certified Aftex Associate
Heartfulness Meditation Trainer
23rd June, 2020

PHCOA
PILLAI COLLEGE OF ARCHITECTURE

50

Dr. Nivedita Shreyans
Director Public Relations
Pillai Group of Institutions

Dr. Sandeep M Joshi
Principal
Pillai College of Engineering
New Panvel

Dr. Ashish Tripathi
Technical Coordinator

PHMSB **PICA** **PHCET**

Heartfulness Tapas PCE Student Club Activity



Webinar on Role of Plastic in Pandemic

Mahatma Education Society's
Pillai College of Engineering, New Panvel
(Dept. of Applied Sciences, Mathematics and Humanities)
Centre of Excellence in Polymer Science and Engineering , PCE
& Nature Club, PCE
In association with
Indian Centre for Plastics in the Environment (ICPE)
Organizes

50th Anniversary

A+ NAAC

ICPE
REUSE • RECYCLE • RECOVER

Mr. Ajay Shah
President –
Polymer Chain
Reliance Industries
Limited

Mr. Swapan K Ray
Honorary Secretary
ICPE

Role of Plastic in Pandemic
27th June 2020
11:30 AM-1:30 PM

Event Co-ordinator:
Dr. Biswajit Panda, PCE
Mob. No.: 9819377021

Registration **free** and limited to 200 participants on a first come first serve basis.
Voluntary Donations to PCE's Social Activities: donate.mes.ac.in

E-certificates to all participants

For registration kindly select [Registration Link](#)




Applied Science, Mathematics and Humanities


Name of Activity	Date	Organiser
National Level Quiz on " Fun with Mathematics "	5 th May	Dr. Sachin Wani
Quiz on "Fun with Physics "	12 th May	Dr. Sudeep Deulkar
Quiz on "Fun with Chemistry "	18 th May	Dr. Manju Pillai
FDP on Scilab	11 th -15 th May	Archana Ingole and Suchitra Patil
Webinar on “Best Practices and Strategies for Effective Online Teaching”	27 th May	Dr. Sudeep Deulkar
Workshop on Curriculum Development with learner Centric Approach	10 th - 14 th June	IQAC & ASMH
Online Workshop on Assessment Tools	25 th – 26 th June	Prof. Lilly D. Pradhan Prof. Suvarna Gaikwad
National level Webinar on “Mathematica and Applications of Mathematics”	27th - 29th June	Prof. Kamini Chaudhari, Prof. Lilly D. Pradhan



National Level Quiz on "Fun with Mathematics"




*Mahatma Education Society's
Pillai College of Engineering
NAAC accredited with Grade A+
Dr. K. M. Vasudevan Pillai Campus, New Panvel,
Navi Mumbai Maharashtra 410206*



FUN WITH MATHEMATICS 2020

Mahatma Education Society, celebrating its Golden Jubilee year in the field of education. On this occasion the Pillai college of Engineering, Department of Applied Science, Mathematics and Humanities is conducting a national level online "FUN WITH MATHEMATICS 2020" quiz for all the students. This quiz is aimed to develop interest among the students towards the Mathematics. This quiz will create an awareness about topics in Mathematics which help them to learn Mathematics during higher studies. This quiz is floated online from 5th May 2020.

The Man who knew Infinity



Srinivasa Ramanujan Iyengar
(Best known as R. Ramanujan)
(22 Dec 1887 - 26 April 1920)

India's Greatest Mathematical Genius

National Mathematics Day is celebrated on 22nd December to mark birth anniversary of legendary Indian Mathematician Srinivasa Ramanujan every year. Independently compiled nearly 3900 results. Made extra ordinary contributions to Mathematical Analysis, number theory, Infinite series and continued fractions. Ramanujan Prime and Ramanujan theta function that inspired a vast amount of further research.

Enroll for the quiz and enjoy the Mathematics

The quiz is starting from 5th May 2020 online

CLICK HERE FOR QUIZ

FUN WITH MATHEMATICS

Dr. Sachin S. Wani
Quiz Co-ordinator



Dr. Arun Pillai
FE Co-ordinator

Dr. Sandeep Joshi
Principal


All participants will get E-certificate of Participation
and
Top scorers will get additional E-certificate of appreciation




National Level Quiz on "Fun with Physics"

Mahatma Education Society's
Pillai College of Engineering
(NAAC accredited with Grade A+)
Dr. K. M. Vasudevan Pillai Campus,
New Panvel, Navi Mumbai, Maharashtra- 410206



Mahatma Education Society, is celebrating its Golden Jubilee year in the field of education. To commemorate this occasion, Pillai College of Engineering, Department of Applied Science, Mathematics and Humanities is conducting a national level online quiz - "FUN WITH PHYSICS 2020" for students of class X-XII. It's objective is to develop student's interest towards PHYSICS. As you know that PHYSICS follows us in our daily life, either knowingly or unknowingly. This quiz aims to test your current understanding of simple PHYSICS concepts. This quiz is floated online from 12th May 2020.



India's Missile Man

Avul Pakir Jainulabdeen Abdul Kalam [15 October 1931 – 27 July 2015] was an aerospace scientist who also served as the 11th President of India from 2002 to 2007.

He was born and raised in Rameswaram, Tamil Nadu and studied **Physics and Aerospace Engineering**. He is known as the **Missile Man of India** for his work on the development of ballistic missile and launch vehicle technology.

He also played a pivotal role in India's Pokhran-II nuclear tests in 1998; the first since the original nuclear test by India in 1974.

Enroll for the "FUN WITH PHYSICS" quiz
and test your grasp of the fundamentals of
PHYSICS.

CLICK button to get started!

[FUN WITH PHYSICS](#)

Dr. Sundeep Deulkar
Quiz Co-ordinator

Dr. Arun Pillai
FE Co-ordinator


Dr. Sandeep Joshi
Principal

All participants will receive E-certificate of Participation
and
Top scorers will receive an additional E-certificate of Appreciation


75




National Level Quiz on "Fun with Chemistry"



Mahatma Education Society's
Pillai College of Engineering
(NAAC accredited with Grade A+)
Dr.K.M Vasudevan Pillai Campus
Sector-16, New Panvel, Navi Mumbai
Maharashtra – 410206



Mahatma Education Society, is celebrating its Golden Jubilee year in the field of education. On this occasion, **Pillai College of Engineering**, Department of Applied Science, Mathematics and Humanities is conducting a national level online quiz - "FUN WITH CHEMISTRY 2020" for students of class X-XII. The objective is to develop interest among students towards CHEMISTRY. Chemistry is not restricted to beakers and laboratories. It is all around us, and the more we know chemistry, the better we know our world. This quiz aims to test your understanding of simple concepts of CHEMISTRY. This quiz is floated online from 18th May 2020.



Dr. Shanti Swarup Bhatnagar
Sir Shanti Swarup Bhatnagar (21 February 1894 – 1 January 1955) was an Indian colloid chemist, academic and scientific administrator. He was the first director-general of the Council of Scientific and Industrial Research (CSIR). He established a total of twelve national laboratories such as Central Food Processing Technological Institute, Mysore, National Chemical Laboratory, Pune, The National Physical Laboratory, New Delhi, The National Metallurgical Laboratory, Jamshedpur, The Central Fuel Institute, Dhanbad, in addition to numerous other laboratories.

He is also known as the "Father of Research Laboratories" in India. He was also the first Chairman of the University Grants Commission (India) (UGC).

A prestigious Indian science award, Shanti Swarup Bhatnagar Prize for Science and Technology, for the scientists who have made significant contributions in various branches of science was created in his honour.

Enroll for the
"FUN WITH CHEMISTRY"
Quiz and test your grasp of the fundamentals of CHEMISTRY.

Click button to get started!

[FUN WITH CHEMISTRY](#)

Dr. Manju Pillai Quiz Co-ordinator	Dr. Arun Pillai FE Co-ordinator	Dr. Sandeep Joshi Principal
---------------------------------------	------------------------------------	--------------------------------

All participants will receive E-certificate of Participation
and
Top scorers will receive an additional E-certificate of Appreciation



FDP on SCILAB

Introduction

In the present situation of COVID-19 Pandemic, Pillai College of Engineering, New Panvel is organizing a faculty development program on "SCILAB" to enhance the learning skills of faculty colleagues and research scholars in core Engineering and Science subjects.

Scilab is an open source scientific software package for numerical computations. It has an extremely reliable and efficiently coded numerical library. It is also a high productivity tool. Through its interpreted language, one can quickly develop the code required to solve problems

About Pillai College of Engineering

Pillai College of Engineering (PCE) is a NAAC A+ accredited flagship institute of Mahatma Education Society (MES), which began its endeavor of Education for all in Chembur English School in 1970. PCE was established in the year 1999 in New Panvel, largely, to provide a world class engineering education to students of rural Maharashtra. PCE is affiliated to University of Mumbai, approved by All India Council for Technical Education (AICTE) and accredited by National Board of Accreditation (NBA). It also offers 5 postgraduate and has received a research center status from the University of Mumbai for the department of Mechanical Engineering, Computer Engineering and Information technology.

Patrons

- Dr. K. M. Vasudevan Pillai
CEO - MES
- Dr. Daphne Pillai
Secretary - MES
- Dr. Priam Pillai
COO - MES
- Mr. Franav Pillai
Deputy CEO - MES
- Prof. Munawira Pillai
PHCET, Rasayni
- Dr. Sandeep M. Joshi
Principal, PCE New Panvel
- Dr. P. S. Goyal
Dean R&D, PCE New Panvel

Advisory Board

- Dr. Avinash R. Vaidya
Professor and Head, EXTC
- Dr. Sachin Wani
Associate Professor and Head,
Dept. of Applied Mathematics
- Dr. R. H. Khade
Professor and Head, ETRX
- Dr. Arun Pillai
Professor and Head Dept. of
ASMH

Programme Coordinators

- Prof. Suchitra A. Patil
Assistant Professor,
Dept. of Electronics and
Telecommunication Engineering
- Prof. Archana Ingole
Assistant Professor,
Dept. of Applied Mathematics
- Mrs. Vidya Kadam
Spoken Tutorial Training Manager
IIT Bombay



A+NAAC



One Week

Faculty Development Program on
"Scilab"

11th to 15th May, 2020

In association with



spoken-tutorial

Ministry of Human Resources and Development
Govt Of India

Organized by

Department of Electronics and
Telecommunication Engineering

And

Department of Applied Science,
Mathematics and Humanities

Pillai College of Engineering,

New Panvel, Navi Mumbai, Maharashtra, 410206

Web site : www.pce.ac.in

About Spoken tutorial Project

- Self explanatory - uses simple language
- Audio-video - uses multisensory Approach
- Small duration - has been retention
- Learner-centered - learn at your own pace
- Learning by doing - learn and practice
- Simultaneous empowerment - learn a new FOSS

Features

Scilab is a cross-platform, free and open source numerical computational package and an easy to use, interpreted, high-level, matrix based programming language with a versatile inbuilt mathematical library. It can be used for :

- Graphing and data visualization
- Control
- Signal and Image processing
- Statistical analysis
- Fluid dynamics
- Linear algebra
- Numerical optimization
- Modelling and simulation of dynamical systems.

Its capabilities can be extended through the use of readily available or custom mode toolboxes where the extensions can be written in ubiquitous lower level languages like Fortran and C.

Who can use Scilab?

- Any Teacher/Trainer/Student
- Working professionals – Software users, developers and trainers
- Research scholars
- Community at large

Program Content

The Program will consist of the following modules:

1. Introduction to Scilab and its benefits
2. Self learning of Scilab through spoken tutorials
3. The amazing recourses of Scilab textbook companion
4. Scilab lab migration
5. Installing
6. Getting started
7. Vector operation
8. Matrix operation
9. Conditional branching
10. Iteration
11. Scripts and functions
12. Plotting 2D graphs
13. Xcos introduction
14. File handling
15. User defined Input and Output
16. Integration
17. Solving non linear equations
18. Linear equations Gaussian Methods
19. Linear equations Iterative methods
20. Interpolation

Mahatma Education Society's
Pillai College of Engineering, New Panvel

Department of Electronics and
Telecommunication

&

Department of Applied Science,
Mathematics and Humanities

Link to Online Registration form for FDP on

"Scilab"

11th to 15th May, 2020

<https://forms.gle/bvu8wNhbBbYYQvEGw5>

Last Date of Registration:

10th May 2020

Mode of conduction:

Online

Exam Date:

Will be announced later

For Queries, Please Contact

Prof. Suchitra A. Patil
Mobile.: +91-9819226982
Email: spatil@mes.ac.in

Prof. Archana Ingole
Mobile.: +91-9022866302
Email: ingole@mes.ac.in



Webinar on “Best Practices and Strategies for Effective Online Teaching”

PCE MAHATMA EDUCATION SOCIETY'S
PILLAI COLLEGE OF ENGINEERING
Department of Applied Science, Mathematics and Humanities Organizes An Interactive Session

A+
AACSB

Wednesday
27th May 2020 - 03:00 PM - 04:00 PM

BEST PRACTICES AND STRATEGIES FOR EFFECTIVE ONLINE TEACHING
by
Dr. Naveen Padmadas, Phd
Regional Coordinator for Viabs, Navi Mumbai
Department of Bioinformatics, School of Biotechnology and Bioinformatics
Dr. D Y Patil University, Navi-Mumbai

Register on or before **27th May 2020, 10:00AM**
How to Join: Google Meet Link will be sent to the registered email ID One Hour prior to the start of the Session.
Registration Link: <https://forms.gle/mK5RgW7nT7YgZCBq7> ← **CLICK HERE**



Online Workshop on Assessment Tools



Pillai College of Engineering
(NAAC Accredited A+)

Pillai College of Education and Research
(NAAC Accredited A)

IN ASSOCIATION WITH

**Center of Excellence in Science and Mathematics Education
(CoESME)**

**Indian Institute of Science Education and Research
(IISER) Pune**



ONLINE WORKSHOP ON ASSESSMENT TOOLS

Organized by

Department of Applied Sciences, Mathematics and Humanities

The workshop will discuss the purpose, types and modes of assessment through interactive online sessions. Various assessment tools, will be introduced in an activity-based mode. It will help the teachers to design their own assessments suited for their subject area.

Resource Persons
(CoESME, IISER, Pune)

Apurva Barve
Asim Auti
Prachi Pasalkar
Shanti Pise



25th -26th June, 2020

2:30 PM – 5:30 PM

Free Registration

Limited 200 seats

For Registration:
<https://forms.gle/wZo3aDueAm87ir3m7>

E-Certificate on Successful completion of the workshop.

Last date of Registration: 23rd June, 2020.

Coordinator

Prof. Lilly D. Pradhan: 9768738337
lilly@mes.ac.in

Prof. Suvarna H. Gaikwad : 9404805701
gsuvarna@mes.ac.in



National level Webinar on “Mathematica and Applications of Mathematics”

PCE
PILLAI COLLEGE OF
ENGINEERING

Mahatma Education Society's
**Pillai College of
Engineering**

Navi Mumbai ,
Maharashtra - 410206

A+
NAAC

June:27-29, 2020
Time:3 PM

**Department of Applied
Sciences, Mathematics and
Humanities**

**Mathematica & Applications of
Mathematics**

Department of Applied Sciences, Mathematics and Humanities is organizing an online webinar on Mathematica and Applications of Mathematics. Today the technological world demands applications of mathematics and the tools which can help to solve complicated models. The webinar is aimed to give an interesting perspective of how mathematical problems can be solved on a modern technical computing system Mathematica. Various mathematical applications of Optimization in Machine learning, Image Processing and Reliability shall be discussed.

<p>June 27 3 pm Dr. Sachin S. Wani PCE, New Panvel Mathematica</p>		<p>June 28 3 pm Dr. Snigdha Saxena PCE, New Panvel Optimization and Applications in Machine Learning</p>	
<p>June 28 4 pm Dr. Narendrakumar Dasre RAIT, Nerul Image Processing and Machine Learning</p>		<p>June 29 3 pm Dr. Anshu Murarka PCE, New Panvel Reliability</p>	

- Meet us on Google Meet
- E-Certificate will be awarded to all registered participants after successful completion of webinar.

Coordinators
Prof. Kamini Chaudhari
kchaudhari@mes.ac.in
+91 9969043463

Prof. Lilly D. Pradhan
lilly@mes.ac.in
+91 9082369550

For Free Registration
<https://forms.gle/qwR4Fze2iH2teNcH6>

Scan

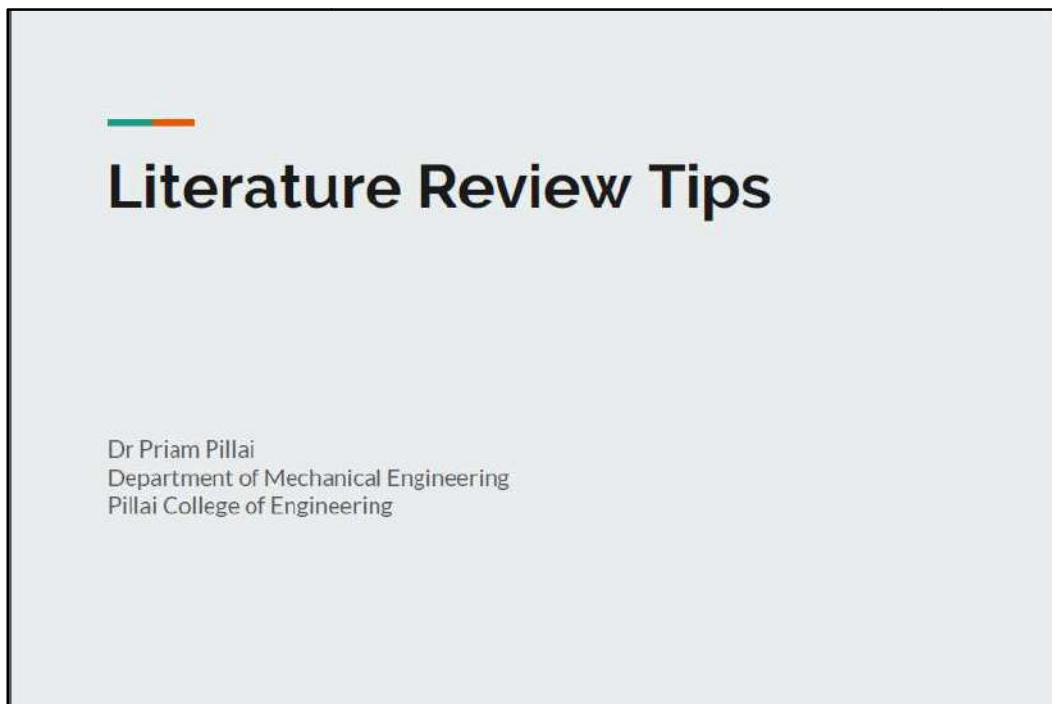


Automobile and Mechanical Engineering

Name of Activity	Date	Organiser
Seminar on "How to conduct and write a Literature Review: A starting point to good research".	28 th March	Dr. Piam Pillai
Webinar on "Research and Innovative Institutes"	14 th April	Prof. Avinash Shaligram
Webinar on "Solidworks tips and tricks"	20 th April	Prof. Binsu Babu Prof. Amey Nijasure
Webinar on "Career opportunities in PDM/PLM"	27 th April	Dr. Dhanraj Tambuskar & Prof. Pruthviraj Rahane
One Week FDP on "R Programming"	29 th April - 3 rd May	Dr. Richa Agrawal Prof. Shivapradeep
Webinar cum Workshop on Automotive Design	8 th May	Dr. Divya Padmanabhan & Prof. Amey Nijasure
Webinar on Geometric dimensioning and tolerancing (GD&T)	11, 13 & 15 th May	Prof. Amey Nijasure Prof. Binsu Babu
Webinar on "ANSYS Mechanical Applications"	21 st May	Dr. Richa Agrawal
Webinar on Transformation post COVID, an Emerging New World	24 th May	Prof. Pruthviraj Rahane Prof. Geeta Karmarkar
Webinar on "Altair Hyperworks	28 th May	Prof. Shilpa Mondkar Prof. Krishnamohan
Webinar on "Empower- Emotional Intelligence and COVID-19"	15 th June	Prof. George Varghese Prof. Vaishali Kumbhar
Online Training on "Two Wheeler Safe Riding"	16 th June	Prof. Pankaj Khakare Prof. Komal Kadam
Webinar on "Importance of Solidworks in CSWA Exams"	18 th June	Prof. Amey Nijasure Prof. Binsu Babu



Seminar on "How to conduct and write a Literature Review: A starting point to good research"



Webinar on “Research and Innovative Institutes”

Prof. Avinash Shaligram conducted a webinar on “Research and Innovative Institutes” on 14th April at 4.00 pm through google meet. It was attended by faculty members of Mechanical and Automobile engineering in the presence of Principal Dr. Sandeep Joshi. He discussed about the various research and Innovative practices undertaken at various institute worldwide. It was a very informative session.

Webinar on “Solidworks tips and tricks”

Live Session was organized for Solidworks tips and tricks on 20th April 2020 at 4.00 pm. The duration of the session was 1.30 hrs. It was organized for mechanical & automobile students. The session was conducted through google meet. It covered some important hacks in Solidworks by experienced faculty members of PCE. After attending the session participants, will be able to handle Solidworks modeling more efficiently. Also the skills learned will be helpful for students from interview point of view.

Webinar on "Career opportunities in PDM/PLM"

A webinar on "Career opportunities in PDM/PLM" was organized on 27th April at 11 am for Pre Final Year and Final Year students of both Mechanical and Automobile Departments. The webinar was conducted by Mr. Tushar Thorat who is currently working in the area of PDM/PLM



and has been associated with Industries such as OPAL, Solidworks, and currently associated with Hydolift Cranes as PDM Administrator. Mr. Tushar Thorat is an alumnus of PCE (Mechanical Engineering); 2017 Batch.

One Week FDP on "R Programming"

Department of Automobile and Mechanical Engineering of Pillai College of Engineering, New Panvel jointly organized a One Week Faculty Development Program on "R Programming" from 29th April to 3rd May, 2020 in collaboration with Spoken Tutorial which is an initiative of National Mission on Education through ICT, MHRD, Govt. of India to promote IT literacy through Free Open Source Software (FOSS). R is an FOSS and is a language and environment for statistical computing & graphics. The program was coordinated by Dr. Richa Agrawal and Prof. Shivapradeep Muthupandi. Total 79 faculty and research students had registered for the workshop. In a situation of total lockdown in the country due to the COVID-19 pandemic, it was an opportunity to connect to people all over the country as the participants list included people from University of Kashmir, Srinagar, University of Haryana, Jyothishmathi Institute of Technology and Science Karimnagar, Telangana, different regions of Maharashtra like Pusad, Washim, Amravati, Ratnagiri, Mumbai and many more. It also had a blend of participants from various domain too viz. Engineering, Physics, Botany, Electronics, Computer Science etc.





One Week Faculty Development Program on

“R Programming”

29th April to 3rd May, 2020

In association with



spoken-tutorial
Ministry of Human Resources and Development
Govt Of India

Organized by

Department of Automobile Engineering and Department of Mechanical Engineering, Pillai College of Engineering, New Panvel.



Introduction

In the present situation of COVID-19 Pandemic, Pillai College of Engineering, New Panvel is organizing a free faculty development program on "R Programming" to enhance the learning skills of faculty colleagues and research scholars in core Engineering and Science subjects. This program facilitates the training for learning R programming. R is a language and environment for statistical computing & graphics. R is available as Free Software under the terms of the Free Software Foundation's GNU (General Public License) in source code form.

About Pillai College of Engineering

Pillai College of Engineering (PCE) is a flagship institute of Mahatma Education Society (MES), which began its endeavor of Education for all in Chembur English School in 1970. PCE was established in the year 1999 in New Panvel, largely, to provide a world class engineering education to students of rural Maharashtra. PCE is affiliated to University of Mumbai, approved by All India Council for Technical Education (AICTE) and accredited by National Board of Accreditation (NBA). It also offers 5 postgraduate and has received a research center status from the University of Mumbai for the department of Mechanical Engineering, Computer Engineering and Information technology.

Patrons

- Dr. K. M. Vasudevan Pillai
CEO - MES
- Dr. Daphne Pillai
Secretary - MES
- Dr. Priam Pillai
COO - MES
- Mr. Franav Pillai
Deputy CEO - MES
- Prof. Munawira Pillai
PHCET, Rasayni
- Dr. Sandeep M. Joshi
Principal, PCE New Panvel
- Dr. P. S. Goyal
Dean R&D, PCE New Panvel

Advisory Board

- Dr. Divya Padmanabhan
Professor and Head,
Dept. of Automobile Engineering
- Dr. Dhanraj Tambuskar
Professor and Head,
Dept. of Mechanical Engineering
- Dr. Arun Pillai
Professor and Head
Dept. of ASMH

Programme Coordinators

- Dr. Richa Agrawal
Associate Professor,
Dept. of Automobile Engineering
- Mrs. Vidya Kadam
Spoken Tutorial Training Manager
IIT Bombay
- Prof. Shivapradeep Muthupandi
Assistant Professor,
Dept. of Mechanical Engineering



A- NAAC

One Week



Faculty Development Program on

"R Programming"

29th April to 3rd May, 2020

In association with



spoken-tutorial
Ministry of Human Resources and Development
Govt Of India

Organized by

**Department of Automobile Engineering
and
Department Mechanical Engineering**

**Pillai College of Engineering,
New Panvel, Navi Mumbai, Maharashtra, 410206
Web site : www.pce.ac.in**

About Spoken tutorial Project

- Self explanatory - uses simple language
- Audio-video - uses multisensory Approach
- Small duration - has better retention
- Learner-centered - learn at your own pace
- Learning by doing - learn and practice
- Simultaneous empowerment - learn a new FOSS

Target Audience

- Any Teacher/Trainer/Student
- System Administrators
- Site Administrators

Features

R is an integrated suite of software facilities for data manipulation, calculation and graphical display. It includes

- a well developed, simple yet effective programming language which includes conditionals, loops, user defined recursive functions and input and output facilities
- an effective data handling and storage facility
- a suite of operators for calculations on arrays, matrices in particular
- a large, coherent, integrated collection of intermediate tools for data analysis
- graphical facilities for data analysis and display either onscreen or on hardcopy

R has its own documentation format, which is used to supply comprehensive documentation, both online in various formats and in hardcopy.

Who can use R language

- Schools, Colleges and Universities
- Statisticians and data miners for developing statistical software and data analysis, polls, data mining surveys
- Data Scientist, Market Analyst and Social Scientist

Program Content

The Program will consist of the following modules:

1. Installing R and Rstudio
2. Introduction to basics of R
3. Introduction to data frames in R
4. Introduction to Rstudio
5. Introduction to R script
6. Working Directories in Rstudio
7. Indexing and Slicing Data Frames
8. Creating Matrices using Data Frames
9. on Matrices and Data Frames
10. Merging and Importing Data
11. Data Types and Factors
12. Lists and its Operations
13. Plotting Histograms and Pie Chart
14. Plotting Bar Charts and Scatter Plot
15. Introduction to ggplot2
16. Aesthetic Mapping in ggplot2
17. Data Manipulation using dplyr Package
18. More functions in the dplyr Package
19. Pipe Operator
20. Conditional Statements
21. Functions in R

Mahatma Education Society's
Pillai College of Engineering, New Panvel

**Department of Automobile and
Mechanical Engineering**

Link to Online Registration form for FDP on

"R Programming"

29th April to 3rd May, 2020

<https://forms.gle/LMG0BQuKHAsNsT1A>

Last Date of Registration:

27th April 2020

Mode of conduction:

Online

Exam Date:

Will be announced later

For Queries Contact:

Dr. Richa Agrawal
Mobile.: +91-9619208203
Email: ragrawal@mes.ac.in

Prof. Shivapradeep Muthupandi
Mobile.: +91-9987271794
Email: smuthupandi@mes.ac.in



Webinar cum Workshop on Automotive Design

Mahatma Education Society's
Pillai College of Engineering, New Panvel
Dept of Automobile and Mechanical Engineering
Presents a Webinar cum workshop on

Automotive Design

by our Alumnus
Mr. Kunal Kashyap

Friday 8th May, 2020
10.00 AM – 12.00 PM





Register on or Before - 7th May, 2020
Registration Link - <https://forms.gle/jzrRGjxSwDJJHYJX6>

For queries contact:

- Dr. Divya Padmanabhan
divvamvp@mes.ac.in
9322839587
- Mr. Ameya Nijasure
napradeep@mes.ac.in
7039062719



Webinar on Geometric dimensioning and tolerancing (GD&T)



Pillai College of Engineering
Department of Mechanical & Automobile Engineering

Webinar
on
Geometric dimensioning and tolerancing (GD&T)

by
Mr. Ameya Nijasure
Mr. Binsu Babu

Duration : 3 to 4 hrs (3 sessions of 1 hr each)
 Target Audience : SE Mech & Auto students

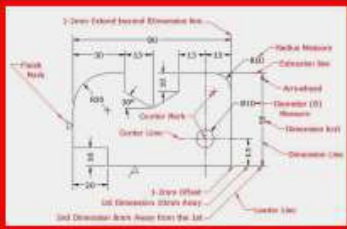
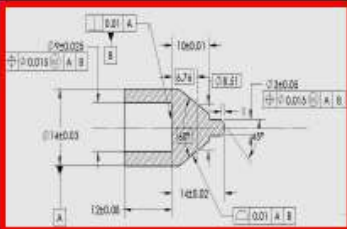
Registration link : <https://forms.gle/RO511w17oPNKTizm8>

Pillai College of Engineering
Department of Mechanical & Automobile Engineering

Webinar on GD&T

DATE & TIME	TOPIC
11 May 2020 5.00 PM	Basic dimensions & Tolerances (Need, Definition, Rules & Application in solidworks)
13 May 2020 5.00 PM	GD&T Basics (Need, GD&T Systems, Terms & Definition, Rules)
15 May 2020 5.00 PM	GD&T Symbols & Modifiers

- Target Audience : SE Mech & Auto students.
- Registration : Max 60 students (Using Google form Link)
- E-Certificates will be provided to students who attend all session



Webinar on "ANSYS Mechanical Applications"



Webinar on Transformation post COVID, an Emerging New World

Mahatma Education Society's
Pillai College of Engineering, New Panvel
Department of Mechanical and Automobile Engineering
Presents a Webinar
on




**Transformations post COVID-19
AN EMERGING NEW WORLD**

by
Mr. Debdatta Acharya
Icertis, Pune

Sunday 24th May, 2020
11.30 AM – 12.30 PM

Webinar Coordinators
Prof. Pruthviraj P Rahane
Email :- prahane@mes.ac.in
Mobile:-9892540955/8169118158
Prof. Geeta J Karmarkar
Email : geetakarmarkar@mes.ac.in
Mobile:- 8652603667/7977672142

Register on or Before 23th May, 2020, 10:00 PM
Registration Link-
<https://forms.gle/MPgu9ivYBaw4Ydix7>
How to Join :- Google meet link will be sent to the registered email ID 30 minutes prior to the start of the webinar.





Webinar on “Altair Hyperworks”

The poster features a background with overlapping geometric shapes in shades of blue, pink, and grey. At the top left, there are logos for NAAC A+ and DesignTech. The top right corner contains the PCE logo. The central text is arranged in a clear, hierarchical manner, starting with the college name and department, followed by the event title in a large, bold font, and then the date and time. A prominent red button with white text is located at the bottom center, and contact information is provided at the very bottom.

Mahatma Education Society's
Pillai College of Engineering
Department of Automobile & Mechanical
Engineering

PCE
PILLAI COLLEGE OF
ENGINEERING

Presents
WEBINAR on

ALTAIR HYPERWORKS

by
Altair India

on
May 28th, 2020 at 4.30 PM

for
**Students & Faculty of Automobile & Mechanical
Engineering**

Register on or before: 27th May, 2020, 10.00 PM
Registration Fee: FREE
How to join: Link will be sent to the registered email ID
1 hour prior to the start of the session
Participation E-Certificates to all the participants

CLICK HERE TO REGISTER

CONTACT

Prof. Shilpa Mondkar: +91-9619696014
Prof. Krishnamohan Menon: +91-7718057306



Webinar on "Empower- Emotional Intelligence and COVID-19"

EMPOWER
Emotional Intelligence and COVID-19

ABOUT

MAINTAINING OUR STATE OF MIND IN THE CURRENT SCENARIO IS A HUGE CHALLENGE. THE COVID-19 PANDEMIC REQUIRES US TO BE MENTALLY TOUGH SO WE EVOLVE VICTORIOUS AS WE FOCUS ON OUR FUTURE. THIS WEBINAR HIGHLIGHTS TECHNIQUES TO RAISE OUR EMOTIONAL INTELLIGENCE AND EMPOWER OURSELVES TO HANDLE THESE CHALLENGES EFFECTIVELY DURING THESE TESTING TIMES. ALL WE NEED TO DO IS WORK ON OUR RESILIENCE TO HANDLE ADVERSITIES OF ANY MAGNITUDE.

A FREE EVENT BY DEPARTMENT OF AUTOMOBILE AND MECHANICAL ENGINEERING, PILLAI COLLEGE OF ENGINEERING.
E-CERTIFICATE WILL BE ISSUED TO REGISTERED PARTICIPANTS ONLY

REGISTRATION

JOIN US FOR FREE BY CLICKING THE FOLLOWING LINK:
<https://forms.gle/6QdhJQNr4MS8KE2O9>
+91 7738328903 / +91 9868439876

Mrs. Chitra Pillai
Author, Success Coach and NLP Trainer

15th June 2020
5:00-6:00 PM

EVENT COORDINATORS
PROF. GEORGE VARGHESE
PROF. VAISHALI S. KUMBHAR

Online Training on "Two Wheeler Safe Riding"

Mahatma Education Society's
Pillai College Of Engineering
Department Of Automobile and Mechanical Engineering

Presents
ONLINE TRAINING
on
TWO WHEELER SAFE RIDING
By
United Way Mumbai
On
16th June 2020 from 1.30-4.30 p.m

For
Students of Automobile & Mechanical Engineering
Registration Fee: Free

How to Join: Link will be sent to registered email ID 1 hour prior to start of the session
E-Certificates will be given to all Participants
[Click Here to register](#)

For queries, Contact:
Pankaj Khakare
8329226643
Komal Kadam
9920548810



Webinar on "Importance of Solidworks in CSWA Exams"

Mahatma Education Society's
Pillai College of Engineering, New Panvel
Dept of Automobile and Mechanical Engineering
Presents a Webinar on

**Importance of Solidworks
CSWA Exams**

by our Alumnus
Mr. Abhishek Singh



 **Thursday 18th June, 2020**
10.00 AM – 11.00 AM

Google meet link : <https://meet.google.com/ptc-xvge-ewm>

Event Coordinators
Prof. Ameya Nijasure Prof. Binsu Babu



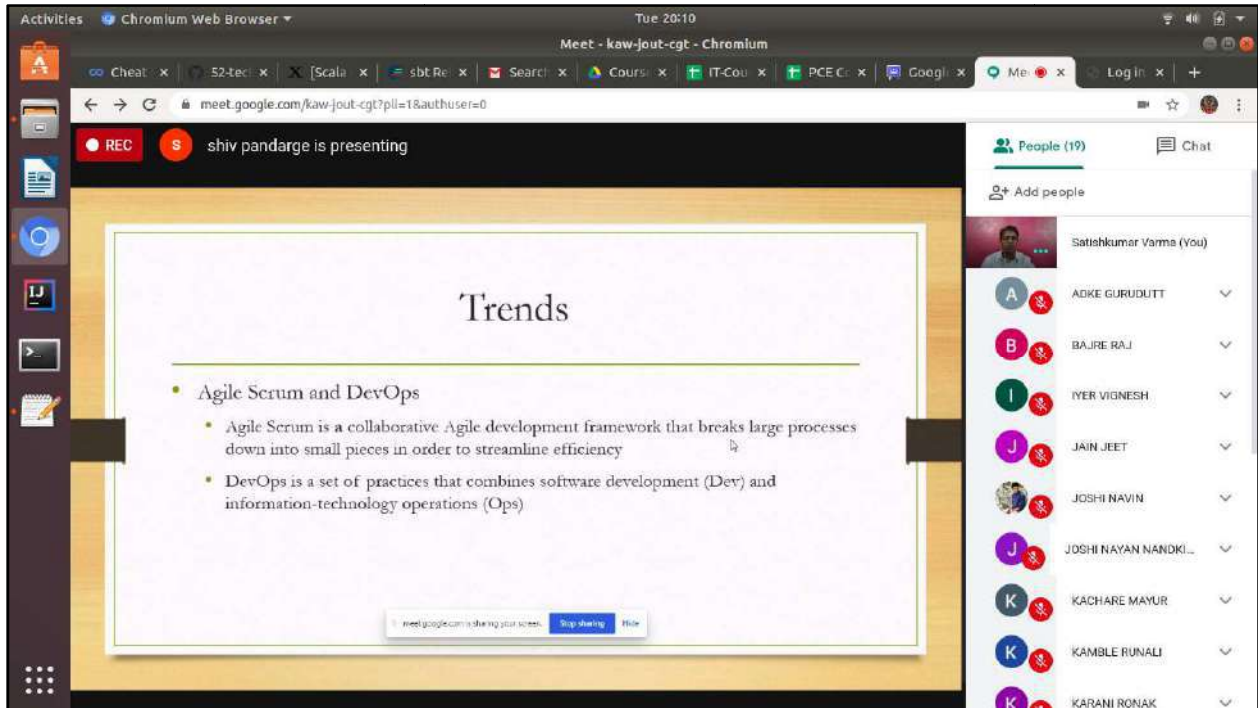
Computer Engineering and Information Technology

Name of Activity	Date	Organiser
Expert talk on "Trends in Software Testing"	5 th April	Dr. Satishkumar Varma
Expert talk on "Technology and you "	10 th April	Dr. Satishkumar Varma
E-portfolio website design contest	18 th April	Prof. Dhiraj Amin
ONLINE workshop on “Writing Documents in LaTeX”	27 th April	Dr. Satsih V, Dr. Sharvari G , Dr. Sushopti G , Dr. Prashant N. Dr. Prashant L
Expert talk on "Microsoft Azure "	2 nd May	Dr. Sharvari G, Prof. Sheetal G, Prof. Suresh Babu
Expert talk on "IOT and Start-up opportunities after Covid 19 "	6 th May	Dr. Sharvari G , Dr. Sushopti G, Dr.Satsih V
Webinar on Online Teaching using Google Classroom & Google Meet	22 nd May	PCE student Counsel
3 days ONLINE National level FDP on" Protecting YOU in cyberspace"	1 st -3 rd June	Dr. Prashant L ,Dr. Sharvari G , Dr.Satsih V, Dr. Sushopti G , Dr. Prashant N.
2 days Webinar series on IOT: Need of Today	5 th -6 th June	Dr.Satsih V, Dr. Sharvari G , Prof. Payel Thakur, Prof. Krishna N , Prof. Jinesh M
Webinar on “Immunity Boosting” by Fitness Coach Nutan Khimasiya: PCE PG Alumni	6 th June	Dr. Sharvari G , Dr.Satsih V, Prof. Suhas L and Prof. Deepti Lawand
Webinar on “Know Your Fabric and Heritage of India”	16 th June	Prof. Payal Thakur

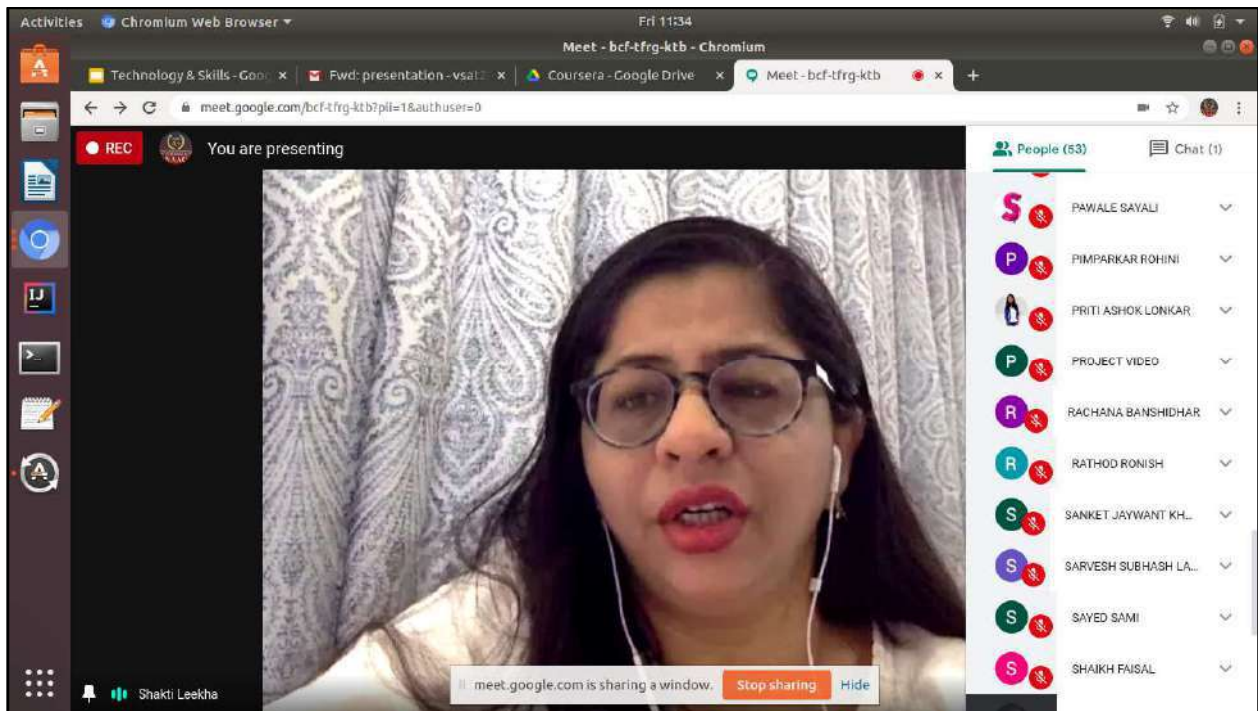


Annual Report 2019-20

Expert talk on “Trends in Software Testing” through Google Meet



Expert talk on “Technology and you” through Google Meet





E-portfolio website design contest

Portfolios are collections of student activities, accomplishments and achievements to demonstrate growth over time, offering an alternative authentic assessment for students and teachers and recruiters. ASK portal store different information regarding students which can be used to create an e-portfolio module where all the stored data can be used. The e-portfolio module will have open access and Pillai college students can use it to showcase their profile to the outside world which would help in improving internship and placement. The task was to design and develop a portfolio website which can be further integrated with ASK portal. Participants need to have a UI which can be used for students of all branches. For the contest not only website design was important, but how the design showcases student skills and knowledge and growth of a student was also important.

Online workshop on “Writing Documents in LaTeX”

<p>Introduction</p> <p>An important initiative has been taken by many organizations to work from home over the internet during the novel coronavirus disease (COVID-19) lockdown situation in the World. Pillai College of Engineering, New Panvel is organizing a free workshop to enhance the teaching and documenting skills of faculty colleagues and research scholars in core Engineering and Science subjects.</p> <p>This Workshop facilitates the training related to Writing Documents in LaTeX. Workshop also invite experts from near-by areas for 1-1.5 hours compulsory session on the mental & emotional development, stress management, meditation, human values and ethics, health and happiness etc. which may be conducted by any spiritual social organizations/individuals like Art of living or similar organization to promote FIT INDIA Movement across the country. For the participating teachers, the Institute may offer training programme in collaboration with other organizations /Industry/Individual which have expertise in that area.</p> <p>About Pillai College of Engineering</p> <p>Pillai College of Engineering is a leading Engineering College in Navi Mumbai. It is approved by AICTE, accredited by NBA, accredited by NAAC with A+ grade and affiliated to University of Mumbai. The Institute offers both undergraduate and postgraduate programs in Mechanical, Automobile, Electronics, Computer, Electronics and Telecommunications Engineering and Information Technology. Institute is actively involved in research in several different areas of engineering and regularly receives grants from funding agencies like Department of Science and Technology, Board of Research in Nuclear Science, All India Council for Technical Education etc. In addition to above, the institute has recently completed an International project entitled “Urban Expansion Observatory” in collaboration with New York University/United Nations Organization. During the last 5 years, total funding received from various agencies is about Rs 3.1 crore. Faculty members of the institute provide consultancy to the private industry also. Institute web site is www.pce.ac.in</p>	<p>Patrons</p> <ul style="list-style-type: none">• Dr. K. M. Vasudevan Pillai, C.E.O - MES• Dr. Daphne Pillai, Secretary - MES• Dr. Prasad Pillai, C.O.O - MES• Mr. Pranav Pillai, Deputy C.E.O - MES• Prof. Manuwaire Pillai, PHOC College of Engineering• Dr. Sandeep M. Joshi, Principal, PCE New Panvel• Dr. P. S. Goyal, Dean R&D, PCE New Panvel <p>Teaching Faculty</p> <ul style="list-style-type: none">• Dr. Sanjay N. Talbar, Professor, SGGSI&T, Nanded• Dr. Kishor P. Sarawadekar, IIT, BHU Varanasi• Dr. Sanjay S. Shirole, Head IT, SNET, Mumbai• Dr. Madhumita Chatterjee, Principal, PHCET, Rasayani• Dr. Satishkumar Chavan, Dean Academic, DBIT, Kurla• Dr. Pandurang Ladhia, Govt. CoE, Chandrapur• Dr. Narendra Jadhav, DBATU, Lonere, Raigad• Dr. Satishkumar Varma, Head IT, PCE New Panvel• Prof. Mahesh Shirole, VJTI, Mumbai• Mr. Akshay Dudhane, Research Scholar, IIT, Ropar• Mr. S. R. Das, Professor, JCET, Asangan <p>Workshop Content</p> <p>The Workshop will consist of the following modules:</p> <ul style="list-style-type: none">• Introduction to Free and Open Source LaTeX• Installation in Linux and Windows• Text Formatting with LATEX• Inserting Quality Images• Quick Tables in Spreadsheet with LaTeX• Creating Quality Figures and Graphs with LaTeX• Writing Mathematical Expressions• Adding Citations and Bibliography• Organizing various Documents in LaTeX• Letter, Report and Thesis Writing• Article and Technical Paper Writing• Making Slides for Video Lectures• Making Report and Thesis Templates• Online Content Modification and Compilation	<p>One WEEK Workshop (5 Days)</p> <p>on</p> <p>Writing Documents in LaTeX</p> <p>during</p> <p>27th April 2020 – 1st May, 2020</p> <p>organized and conducted by</p> <p>Department of Information Technology & Department of Computer Engineering</p> <p>Pillai College of Engineering, New Panvel</p>  <p>Workshop Coordinators:</p> <p>Dr. Satishkumar L. Varma Prof. Madhu Nashipudimath PCE, New Panvel - 410206</p>
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Annual Report 2019-20

Refreshments and other support

As we are attending session and working from home over the internet in the country during the novel coronavirus disease (COVID-19) lockdown situation and the Workshop is being conducted over Google Meet, we are unable to provide tea/lunch during the training sessions of the Workshop, and there is no arrangement of accommodation.

Workshop Fee

Since the Workshop is online over Google Meet and Sponsored (Google Suite Licence) by the Pillai College of Engineering, New Panvel, there is no Workshop fee for participation.

How to Apply

Those wishing to attend this Workshop should enroll online at the following link <https://forms.gle/rhW7eA4tFD0maSSx9>

Enrollment will be strictly online with Valid Google Mail ID, and no other applications will be entertained.

Last date for enrollment is 26th April 2020. A list of selected participants will receive a Google Meet ID to join each session which will be communicated over their registered Email ID by email invitation. The registered participants will also be invited by email 15 Minutes before the start of each session.

Duration and Venue

The duration of the Workshop is One week (5 Days). It will begin at 11:00 am on Monday 27th April 2020, and end at 4:00 pm on Friday 1st May, 2020. Additional contributions from participants are required to be made during the Workshop Quiz and lab sessions for certificates. The venue for the Workshop will be online over Google Meet under G Suite Licences at PCE New Panvel - 410206.

Last Date for Registration: 26th April 2020

Please note that this Faculty and Researcher Scholar Development Programme (Workshop) is conducted and sponsored by the Pillai College of Engineering, University of Mumbai, under the G Suite which is a suite of cloud computing, productivity and collaboration tools, software and products developed by Google Cloud. Workshop contents and other related lab contents will be made available to participants through Google Drive. Quiz and lab sessions will be conducted and few lectures and lab sessions will be recorded and the final edited audio-visual contents, along with other Workshop material will be made available.

Who May Benefit

The Workshop will benefit the faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host institutions, who wish to use LaTeX as an open source software tools for all their documentation for report, paper, presentations and related teaching needs, thereby improving the quality of instruction, publications and learning in their colleges / institutes.

Advisory Board

- Dr. Sharvari S. Govilkar
Professor and Head, Dept. of Computer Engineering
- Dr. Prabhant Ninaware
Professor and PG & Ph D Coordinator
- Dr. Subhojit Gawade
Professor and RC Coordinator
- Dr. Prabhant S. Lokhande
Professor and TPO

Mahatma Education Society's
Pillai College of Engineering, New Panvel
Department of Information Technology

Online Registration form for Workshop on

"Writing Documents in LaTeX"
27th April 2020 – 1st May, 2020

<https://forms.gle/PnP9>

LaTeX Workshop Over Google Meet Registration Form 27th April 2020 – 1st May 2020

Registration for One week Workshop on Detail on "Writing Documents in LaTeX" over Google Meet using Internet during the novel corona virus disease (COVID-19) lock down situation in the Country Starting 27th April to 1st May, 2020 (27, 28, 29, 30, 31) Conducted by Department of Information Technology, Pillai College of Engineering, New Panvel - 410206

For Queries, Contact

- Dr. Satishkumar L. Varma
Professor and Head, IT (Workshop Coordinator),
Tel.: +91-22-2745 6100/1700 : Extn: 195
Fax : +91-22-2748 3208
Mobile: 9029696651 and Email: vstlk@msae.ac.in
- Prof. Madhu Nishipudimath
Associate Professor (Workshop Coordinator),
Mobile: 9702476406 and Email: madhumm@msae.ac.in

Expert talk on "Microsoft Azure" through Google meet





Expert talk on "IOT and Start-up opportunities after Covid 19"

<p>Seminar on "IoT & Start-Up Opportunities after COVID-19" 06/05/2020 from 12:00 noon to 1:30 pm</p> <p>Objectives of the Seminar</p> <ul style="list-style-type: none">❖ To understand Internet of Things (IoT) and simulation of circuits❖ To know industrial applications of IoT❖ To learn simulation software for IoT❖ To understand different Start-Up opportunities after COVID-19 <p>Contents of the Seminar</p> <ul style="list-style-type: none">❖ Internet of Things (IoT) and simulation of circuits❖ Industrial Applications of IoT❖ Introduction to simulation software for IoT❖ Opportunities for Start-Up after COVID-19 <p>Benefits & Outcomes</p> <p>After this Seminar students/faculties will be able to,</p> <ul style="list-style-type: none">❖ Simulate Design for Internet of Things (IoT) applications❖ Understand IoT related Industrial Applications❖ Students will be able to Identify opportunities for Start-Up after COVID-19	<p>Convener Dr. Sandeep M. Joshi Principal, Pillai College of Engineering, New Panvel</p> <p>Advisory Committee Dr. Sharvari Govilkar Head of Department of Computer Engineering</p> <p>Dr. Satishkumar Verma Head of Department of Information Technology</p> <p>Coordinator Dr. Sushopti D. Gawade Mobile: 9920730728 / 8369323410 Email: sgawade@mes.ac.in</p> <p>Participants All the Students and Faculty members from Computer Engineering and Information Technology Department.</p> <p>Speaker: Mr. Ajay Kumar Godara</p> <p>Brief Profile: He is founder and director of Enovate Skill at NITTR Chandigarh startup Initiative. He is Innovator & Mentor of Change, NITI AYO, Govt of India. He has expertise in Area of Robotics and Internet of Things. He has developed many innovative products & having patents in renewable energy area. He has delivered more than 100 expert talks in national and international FDP (Faculty Development Programs) via contact mode and ICT based @NITTR Chandigarh and out of station. He has trained more than 20,000 students.</p>	  <p>Mahatma Education Society's Pillai College of Engineering (Accredited with "A+" Grade by NAAC)</p> <p>Seminar on "IoT & Start-Up Opportunities after COVID-19" 06/05/2020 from 12:00 noon to 1:30 pm</p> <p>Department of Computer Engineering and Information Technology</p>  <p>Pillai College Of Engineering Address- K.M Vasudevan Pillai Campus Plot No-10, Sector-16, New Panvel-410206 Landline: 022-27456030 / 1700 / 6100 Email- pce@mes.ac.in Website- www.pce.ac.in</p>
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Webinar on Online Teaching using Google Classroom & Google Meet

Pillai Mahatma Education Society's **Pillai College of Engineering** presents 

A Webinar on

ONLINE TEACHING AND LEARNING USING GOOGLE CLASSROOM AND GOOGLE MEET

Greetings Teachers & Academicians!

As world is going through novel Covid19 pandemic , which has led to a shutdown in the entire world. It is for the safety of mankind that such measures had to be taken.

The pandemic has made a huge impact on the education system. The classroom teaching learning is not possible till lockdown or maybe for some time after that. Without student-teacher interaction, teaching is not so effective. So Online teaching learning is the only resource left to impart education without risking. Online education provides teachers a platform to interact with the students.

This webinar will help teachers to effectively use Google classroom and Google meet for online teaching learning. Our speakers will be having a interactive session with the participants. Hope to see you all.

SPEAKERS



Prof. Deepti Lawand Prof. Suhas Lawand

Department of Computer Engineering
Pillai College of Engineering
(NAAC accredited A+)

DATE & TIME

22nd May, 2020
5:00 pm

CLICK TO REGISTER



3 days Online National level FDP on " Protecting YOU in Cyberspace"

<p>Introduction</p> <p>Pillai College of Engineering (PCE), New Panvel is organizing a free faculty development program on "Protecting YOU in Cyberspace". This programme is intended to help the participants to understand digital security measures while dealing with current cyberspace. This FDP focuses on understanding various cyber crimes in social media with current case studies. The participants will be familiar with detailed procedure for reporting cyber frauds to police along with do's and don'ts. This FDP will familiarise the participants about various digital forensics tools. Besides this, it will also introduce the participants about different research areas in digital forensics investigation and various challenges in cyber security.</p> <p>About PCE</p> <p>PCE is a flagship institute of Mahatma Education Society, which began its endeavor of Education in 1970. PCE was established in the year 1999 in New Panvel, largely, to provide a world class engineering education to students of rural Maharashtra. PCE is affiliated to University of Mumbai, approved by All India Council for Technical Education and accredited by National Board of Accreditation. Apart from 6 Undergraduate programs, it offers 5 postgraduate programs and has received a research center status for the department of Mechanical Engineering, Computer Engineering and Information technology.</p>	<p>Patrons</p> <ul style="list-style-type: none"> • Dr. K. M. Vasudevan Pillai • Dr. Daphne Pillai • Dr. Priam Pillai • Mr. Franav Pillai • Prof. Munawira Pillai <p>Advisory Board</p> <ul style="list-style-type: none"> • Dr. Sandeep M. Joshi, Principal, PCE New Panvel • Dr. P. S. Goyal, Dean R&D, PCE New Panvel • Dr. Sharvari Govilkar, HoD Computer Engineering • Dr. Satishkumar L. Varma, HoD Information Technology • Dr. Prashant Nitaware, Professor and PG & Ph.D Coordinator • Dr. Sushopti Gawade, Professor and RC Coordinator <p>Program Coordinator</p> <ul style="list-style-type: none"> • Dr. Prashant Lokhande Professor & TPO, PCE New Panvel Cyber Security and Digital Forensics Consultant. 	  <p>NAAC "A+" Grade in 1st Cycle</p> <p>3 Days National Level Online Faculty Development Program on</p> <p>"Protecting YOU in Cyberspace"</p> <p>1st to 3rd June, 2020</p> <p>Organized and Conducted by</p> <p>Department of Computer Engineering & Department of Information Technology</p> <p>Pillai College of Engineering Dr. K. M. Vasudevan Pillai Campus, Sector 16, New Panvel, Navi Mumbai, Maharashtra, 410206 Web site : www.pce.ac.in</p> 
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<p>Speakers</p> <ul style="list-style-type: none"> • Dr. P. S. Lokhande, Professor & TPO, PCE New Panvel. Cyber Security and Digital Forensics Consultant. • Dr. Madhumita Chatterjee, Principal, Pillai HOC college of Engineering and Technology, Rasayani. • Dr. Balsingh Rajput, Superintendent Maharashtra Cyber, Maharashtra State. • Mrs. Mandakini Chopade, Asst. Police Inspector, Cyber Crime Cell, Crime Branch, Navi Mumbai. • Mr. Gaurav Sharma, Trainer, Consultant and Founder, Vrisko Technologies. • Mr. Makarand Wagh, Ex. Law and Enforcement officer, MACANS Infotech Co-Founder & Director. <p>Program Contents</p> <ul style="list-style-type: none"> • How you are unsafe online and become target? How do they do that? potentially harmful apps. • Types of cyber crimes with Case studies. • Cyber crimes in social media: precautions to be taken by individual • How to report cyber fraud to police. procedure for filing complaint. Do's and don'ts while submitting complaint. • Introduction to Digital forensics tools. • Research Areas in Digital Forensics Investigation and Challenges 	<p>Who Should Attend</p> <p>Every individual will be benefited by this FDP program who uses cyberspace and social media in day to day life. With advancement in the technology and Internet, almost every individual uses the Internet platform to connect with the world. Thus, the program will help every person to protect them self in cyberspace.</p> <p>Mode of FDP Conduct: Through Google Meet. There will be quiz per day based on topics discussed. All participants would receive an E-Certificate on submission of all quizzes.</p> <p>Registration fees: Rs. 100. Payment can be made through Google pay/UPI. The funds collected will be donated to provide food to needy people suffering due to COVID-19 crisis.</p> <p>Organising Team</p> <p>Prof. K.S. Charumathi Department of Computer Engineering Mobile: +91- 8169769162 Email: kscharumathi@mes.ac.in</p> <p>Prof. Madhura Vyawahare Department of Computer Engineering Mobile: +91-9769701243 Email: madhura.vyawahare@gmail.com</p> <p>Prof. Sagar Kulkarni Department of Computer Engineering Mobile: +91- 7588588683 Email: skulkarni@mes.ac.in</p>	<p>Mahatma Education Society's Pillai College of Engineering, New Panvel</p> <p>3 Days National Level Online Faculty Development Program on</p> <p>"Protecting YOU in Cyberspace"</p> <p>1st to 3rd June, 2020</p> <p>Make registration fee payments on: Google pay: +91 9819261265 OR UPI ID: sgovilkar74@okaxis</p> <p>Note: Please add Transaction ID in registration form.</p> <p>Link for Online Registration: https://fofms.gle/dwn8DS2RauejrfC77</p> <p>Last Date of Registration: 31st May, 2020</p> <p>Timings: 3.00 pm to 5.00 pm</p> <p>For Queries, Contact: Dr. Prashant Lokhande Mobile.: +91- 9224174473 Email: prashant@mes.ac.in</p> <p>Prof. Sagar Kulkarni Mobile.: +91- 7588588683 Email: skulkarni@mes.ac.in</p>
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1st To 3rd JUNE


3:00-5:00PM

REGISTER NOW

Last date for registration:
31st May 2020

For Queries, Contact-
Dr. Prashant Lokhande
 Mobile.: 9224174473
 Email: prashant@mes.ac.in
Prof. Sagar Kulkarni
 Mobile.: 7588588683
 Email: skulkarni@mes.ac.in



A Three Days Online FDP
On

PROTECTING YOU IN CYBERSPACE

Speakers

Day-1



Dr. P. S. Lokhande
Professor & TPO, PCE, New Panvel,
Cyber Security and Digital Forensics
Consultant



Dr. Madhumira Chatterjee
Principal, Pillai HOC College of
Engineering & Technology, Rasayani

Day-2



Dr. Balsing Rajput
Superintendent of Police,
Cyber, Maharashtra



Mrs. Mandakini Chopade
Asst. Police Inspector, Cyber Crime
Cell, Crime Branch, Navi-Mumbai

Day-3



Mr. Gaurav Sharma
Trainer, Consultant and Founder
Vrisiko Technologies. Online Facilitator,
Master of Cyber Security
Course, Edith Cowan University, Australia



Mr. Makarand Wagh
Ex-Law and Enforcement Officer,
Co-Founder & Director,
MACANS Infotech



2 days Webinar series on IOT: Need of Today

MAHATMA EDUCATION SOCIETY
Pillai College of Engineering
Dr. K. M. Vasudevan Pillai Campus, Sector 16,
New Panvel

WEBINAR

IoT: Need of Time

11 & 12 JUNE 2020 02:00PM - 03:30PM

REGISTER TO PARTICIPATE:

[Click Me](#)

All the registered participants will be issued an E-certificate after successful completion of the webinar.

Prof. Krishnendu Nair
Dept. Computer Engineering

Prof. Payel Thakur
Dept. Computer Engineering

Prof. Jinesh Melvin Y I
Dept. Information Technology

Topics

1. Basics of IoT
2. Characteristics
3. Enabling technologies in IoT
4. Components of IoT
5. Domain specific IoT
6. Introduction and hands-on Training of simulator
7. Solving real time (COVID 19) -Problems using IoT
8. Embedding IoT with Android

IoT is turning physical objects into an ecosystem of information shared between devices that are wearable, portable, even implantable, making our lives technology and data rich. This WEBINAR is all about how IoT is an unprecedented network connecting machines, individuals, data and processes and is now filtering down to real-life, shaping how we go about our daily lives. With hands-on training in tinkercad and android you will understand why this webinar works for you and what you can get out of it.

VISIT - Google Classroom
CLASS CODE: ijaagys

Organized By
Pillai College of Engineering
Department of
Computer Engineering
and
Information Technology



Webinar on “Immunity Boosting” by Fitness Coach Nutan Khimasiya

50 Mahatma Education Society's
Pillai College of Engineering
(Accredited A+ by NAAC)

PCE
PILLAI COLLEGE OF
ENGINEERING

A Webinar on

PILLARS OF GOOD IMMUNITY

Organized by Department of Computer Engineering and Information Technology

In the wake of the Covid 19 outbreak, entire mankind across the globe is suffering. Enhancing the body's immunity plays an important role in maintaining optimum health. Whenever the immune system deals successfully with an infection, it emerges from the experience stronger and better able to confront similar threats in the future.

Join us for an exciting session on immunity boosting.

 **SPEAKER:**
Ms. Nutan Khimasiya
PG alumni (Dept of Computer Engg.)
Internationally certified nutritionist
and fitness coach

Dr. N.
Diet Madam
Nutritionist

6th June 2020 | 5pm to 6.30pm

All participants will receive E-certificates of participation after submitting the feedback form

[CLICK TO REGISTER](#)

For More Details, Contact

Mrs. Deepthi Lawand 9821127613	Mrs. Gayatri Hegde 8692934440	Mr. Suhas Lawand 9821127648
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Webinar on “Know Your Fabric and Heritage of India”

A Webinar on

KNOW YOUR FABRIC AND HERITAGE OF INDIA

A Fundraising event by Department of Computer Engineering and Department of Information Technology in association with Student Council, PCE

Webinar focuses on understanding and identifying different fabrics our country produces so that we can select wisely, only "MADE IN INDIA" fabrics. "Know your fabric and Heritage of India" will help us gain more knowledge about this.
E-Certificates will be issued to registered participants only.

SPEAKER



Dr. Hemalatha Jain
Educator/Revisited/Textile Researcher
Founder - PurnaJeevana Trust

WHEN?

DATE:
16th June 2020

TIME:
4pm - 5pm

OPEN FOR ALL
ENTRY FEE: RS. 30

GPAY / PAYTM TO
+91 - 9167007554

The funds collected will be donated to provide food to needy people suffering due to COVID-19.

Webinar co-ordinator:
Prof. Payel Thakur
Contact: 9167007554

CLICK TO REGISTER


* Please add transaction ID in registration form



Electronics & Electronics and Telecommunication Engineering

Name of Activity	Date	Organiser
Seminar on "How to Write a Research Paper?"	13 th April	Dr. Avinash Vaidya
ANSYS Solutions for 5G Technology	04 th May	Dr. Avinash Vaidya
Webinar on "Antenna Design through Simulation Using TaraNG"	18 th May	Ameet Mehta and Avinash Vaidya
FDP on Scilab	11 th -15 th May	Suchitra Patil and Archana Ingole
Seminar on Profile Building for Higher Education, Scholarships & Placements.	26 th May	Ravi Biradar
Reinventing Yourself	27 th May	Suchitra Patil
FDP on Antenna Design and Troubleshooting	3 rd - 7 th June	Ameet Mehta and Avinash Vaidya

Seminar on "How to Write a Research Paper?"



How to write a “Great” Research Paper?

Dr. Avinash R. Vaidya,
Professor and HoD, EXTC
Pillai College of Engineering, New Panvel



ANSYS Solutions for 5G Technology



Webinar on "Antenna Design through Simulation Using TaraNG"

Mahatma Education Society's
Pillai College of Engineering

WEBINAR
FREE FOR ALL

ANTENNA DESIGN THROUGH SIMULATION USING TaraNG:19.1

REGISTRATION ENDS 16 MAY 2020
ONLY 200 PARTICIPANTS

SPEAKER SWAPNIL GAUL
FOUNDER NUMEREGION
NUMEREGION have developed simulation packages which offers hands-on based learning experience.

TOPICS

- ✓ FUNDAMENTAL PARAMETERS OF ANTENNAS
- ✓ LINEAR ANTENNAS
- ✓ ARRAY ANTENNAS
- ✓ OPERATING PRINCIPLES AND RADIATION PATTERNS OF DIFFERENT ANTENNAS

* Participation e-certificate to all participants
Organized By
Department of Electronics and Telecommunication Engineering

SCAN AND REGISTER

CLICK ON LINK
shorturl.at/bMX15

Contact:
PROF. AMEET M. MEHTA
9702962791

18 MAY 2020 4:00 PM TO 6:00 PM



FDP on Scilab

One-Week Faculty Development Programme on “SCILAB” in collaboration Spoken tutorial, IITB was organized at Mahatma Education Society’s Pillai College of Engineering, New Panvel from 11th to 15th May 2020 in the situation of COVID-19 Pandemic. This programme was a combination of theoretical exercise & laboratory experiments to enhance the learning skills of faculty colleagues and research scholars in core Engineering and Science subjects. Scilab is an open source scientific software package for numerical computations. It has an extremely reliable and efficiently coded numerical library. It is also a high productivity tool. Through its interpreted language, one can quickly develop the code required to solve problems. Total of 450+ faculty members participated in FDP and actively went through all the Assignments and Quizzes given during the same.

<p>About Spoken tutorial Project</p> <ul style="list-style-type: none">• Self explanatory - uses simple language• Audio-video - uses multisensory Approach• Small duration - has better retention• Learner-centered - learn at your own pace• Learning by doing - learn and practice• Simultaneous empowerment - learn a new FOSS <p>Features</p> <p>Scilab is a cross-platform, free and open source numerical computational package and an easy to use, interpreted, high-level, matrix based programming language with a versatile inbuilt mathematical library. It can be used for :</p> <ul style="list-style-type: none">• Graphing and data visualization• Control• Signal and Image processing• Statistical analysis• Fluid dynamics• Linear algebra• Numerical optimization• Modelling and simulation of dynamical systems. <p>Its capabilities can be extended through the use of readily available or custom mode toolboxes where the extensions can be written in ubiquitous lower level languages like Fortran and C.</p>	<p>Who can use Scilab?</p> <ul style="list-style-type: none">• Any Teacher/Trainer/Student• Working professionals – Software users, developers and trainers• Research scholars• Community at large <p>Program Content</p> <p>The Program will consist of the following modules:</p> <ol style="list-style-type: none">1. Introduction to Scilab and its benefits2. Self learning of Scilab through spoken tutorials3. The amazing recourses of Scilab textbook companion4. Scilab lab migration5. Installing6. Getting started7. Vector operation8. Matrix operation9. Conditional branching10. Iteration11. Scripts and functions12. Plotting 2D graphs13. Xcos introduction14. File handling15. User defined Input and Output16. Integration17. Solving non linear equations18. Linear equations Gaussian Methods19. Linear equations Iterative methods20. Interpolation	<p>Mahatma Education Society's Pillai College of Engineering, New Panvel Department of Electronics and Telecommunication & Department of Applied Science, Mathematics and Humanities</p> <p>Link to Online Registration form for FDP on “Scilab”</p> <p>11th to 15th May, 2020 https://forms.gle/bvu8wNhbYYQvEGw5</p> <p>Last Date of Registration: 10th May 2020</p> <p>Mode of conduction: Online</p> <p>Exam Date: Will be announced later</p> <p>For Queries, Please Contact</p> <p>Prof. Suchitra A. Patil Mobile.: +91-9819226982 Email: spatil@mes.ac.in</p> <p>Prof. Archana Ingole Mobile.: +91-902866302 Email: singole@mes.ac.in</p>
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Annual Report 2019-20

About Spoken tutorial Project

- Self explanatory - uses simple language
- Audio-video - uses multisensory Approach
- Small duration - has better retention
- Learner-centered - learn at your own pace
- Learning by doing - learn and practice
- Simultaneous empowerment - learn a new FOSS

Features

Scilab is a cross-platform, free and open source numerical computational package and an easy to use, interpreted, high-level, matrix based programming language with a versatile inbuilt mathematical library. It can be used for :

- Graphing and data visualization
- Control
- Signal and Image processing
- Statistical analysis
- Fluid dynamics
- Linear algebra
- Numerical optimization
- Modelling and simulation of dynamical systems.

Its capabilities can be extended through the use of readily available or custom mode toolboxes where the extensions can be written in ubiquitous lower level languages like Fortran and C.

Who can use Scilab?

- Any Teacher/Trainer/Student
- Working professionals – Software users, developers and trainers
- Research scholars
- Community at large

Program Content

The Program will consist of the following modules:

1. Introduction to Scilab and its benefits
2. Self learning of Scilab through spoken tutorials
3. The amazing resources of Scilab textbook companion
4. Scilab lab migration
5. Installing
6. Getting started
7. Vector operation
8. Matrix operation
9. Conditional branching
10. Iteration
11. Scripts and functions
12. Plotting 2D graphs
13. Xcos introduction
14. File handling
15. User defined Input and Output
16. Integration
17. Solving non linear equations
18. Linear equations Gaussian Methods
19. Linear equations Iterative methods
20. Interpolation

Mahatma Education Society's
Pillai College of Engineering, New Panvel
Department of Electronics and Telecommunication
&
Department of Applied Science, Mathematics and Humanities

Link to Online Registration form for FDP on "Scilab"

11th to 15th May, 2020
<https://forms.gle/bvu8wNhbYyQvEGw5>

Last Date of Registration:
10th May 2020

Mode of conduction:
Online

Exam Date:
Will be announced later

For Queries, Please Contact

Prof . Suchitra A. Patil
Mobile.: +91-9819226982
Email: spatil@mes.ac.in

Prof. Archana Ingole
Mobile.: +91- 9022866302
Email: aingole@mes.ac.in



Group Photo



Seminar on Profile Building for Higher Education, Scholarships & Placements

PCE **50** **CAREERLABS**
PILLAI COLLEGE OF ENGINEERING IN PARTNERSHIP WITH BYJU'S

BYJU'S-CareerLabs is hosting a **satellite (virtual) seminar** exclusively for the students of Pillai College of Engineering (**Accredited A+ by NAAC**).

This Satellite Seminar is **highly recommended** for everyone to attend and since this is a **lock down period** you can best utilize the time by attending this.

The Satellite Seminar will cover topics related to **Profile Building for Higher Education & Placements**.

**Colleges Closed due to Covid-19?
Worried about your future after Engineering?**

DO YOU KNOW?
All it takes
ONE SECRET INGREDIENT
to crack the **top masters abroad with a 100% scholarship!**
Thinking whether or not to do your Masters during this time of crisis?

Get a chance to interact with

PN Santosh
(CEO & Founder - CareerLabs, BYJU'S Co-Founder, Ex- ISB, Ex McKinsey, GMAT 780 Scorer)

Bonus- All attendees get access to the **FREE** starter pack of CareerLabs ProfileBoost Platform! Get certified on completion of the free starter pack!

CLICK HERE TO REGISTER NOW

26th May Tuesday | 11:00 AM
Contact no of Prof. Ravi Biradar-9820809780

support@thecareerlabs.com +91 63-6600-4441



Reinventing Yourself

PCE Pillai College of Engineering
(Accredited A+ by NAAC)

Reinventing Yourself

- > Relax
- > Refresh
- > Rejuvenate &
- > Dive Deep During this Lockdown

DATE : 27th May 2020,
TIME : 5.00PM -6.00PM

Peace and Tranquillity is what you are in search of, we can help you to find it within you.

Anjana Das
AOL Teacher

Samta Shrivastava
AOL Teacher

Shalini Sharma
AOL Teacher

Organized By:
**Department of Electronics and
Telecommunication Engineering**

For more details contact
Dr. Avinash Vaidya **Ms. Suchitra A. Patil**
+91 98907 87361 +919819226982

For registration : <https://forms.gle/hArvFkAo6Ami7fM68>

Note : All participants will receive E-certificate of Participation



FDP on Antenna Design and Troubleshooting

ABOUT PILLAI COLLEGE OF ENGINEERING

Mahatma Education Society's Pillai College of Engineering, PCE, was established in 1999 (commencement of courses from A.Y. 2000-2001) as a self financed Malayalam Linguistic Minority Institute affiliated to University of Mumbai, approved by AICTE and Recognized by Govt. of Maharashtra. The college is recognized by UGC under section 12(b) and 2(f). Pillai College of Engineering was started as Pillai Institute of Information Technology-Engineering, Media Studies and Research, and popularly known as PIIT in the year 2000. The name of the institute was changed as Pillai College of Engineering in the year 2016. The brand name of MES and the proactive steps taken by the institute for providing quality education and making industry ready engineers, made PCE as a leader in engineering education under University of Mumbai. The college has an enrollment of about 2700+ students in its 6 UG, 4 PG and 3 PhD Research Centers. PCE is known for interdisciplinary centers for excellence, infrastructure, value added courses, job oriented training programs, project based learning, maker spaces and the Festival of Joy- ALEGRIA. Pillai College of Engineering is accredited with A+ grade by National Assessment and Accreditation Council (NAAC) in its first cycle for five years. Three departments of PCE, Computer Engineering, Electronics Engineering and Mechanical Engineering were re-accredited by National Board of Accreditation, NBA, for 3 years from 2018 till 2021. Four accredited programs of PCE namely Computer Engineering, Electronic Engineering, Information technology and Mechanical Engineering have been awarded Permanent Affiliation status by University of Mumbai since AY 2013-14. Pillai College of Engineering is celebrating 20th Anniversary in the year 2020.

ABOUT FACULTY DEVELOPMENT PROGRAM (FDP)

The proposed Faculty Development Program (FDP) is devoted to the fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects in the usage of advanced tools and techniques for the Design of antennas. FDP provides an exposure to new areas of research and enhances the research competence of faculty in the areas of antennas by providing exposure to practical problems and solutions. The FDP will also highlight on different measurement techniques, Specialized antennas used in Space craft and recent developments in Antenna Engineering.

Faculty Development Program

Mahatma Education Society's
Pillai College of Engineering
Dr. K. M. Vasudevan Pillai Campus, Sector - 16, New Panvel- 410206

ANTENNA DESIGN AND TROUBLESHOOTING

Department of Electronics and Telecommunication Engineering

A+ NAAC

50

In Association With
IEEE BOMBAY SECTION

LAST DATE TO REGISTER 1ST JUNE, 2020

03RD - 07TH JUNE, 2020

ORGANIZING COMMITTEE

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Dr. (Mrs) Daphne Pillai, Secretary, MES
Dr. Pravin V. Pillai, COO, MES
Mr. Francis V. Pillai, Dy CEO, MES
Prof. Manavara Pillai, Member Management Board

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Dr. Avinash R. Vaidya, Professor & HoD, EXT-C, PCE

COORDINATOR
Prof. Ameet M. Mehta, Asst Professor, EXT-C, PCE

MEMBERS
Dr. P. S. Goyal, Dean R&D
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Dr. R.H. Khade, Head, Department of Electronics Engineering
Dr. Sharvani Govilkar, Head, Department of Computer Engineering
Dr. Satishkumar Varma, Head, Department of Information Technology
Dr. Dhanraj Tambuskar, Head, Department of Mechanical Engineering
Dr. Divya Padmanabham, Head, Department of Automobile Engineering
Dr. Prashant Nitansures, PG & PhD Coordinator

OUR EMINENT SPEAKERS
Prof. O.P.N. Calla, Director, ICRS, Jodhpur
Prof. V. Mahadevan, Group Director (Rtd), ISRO Satellite Centre, Bangalore
Prof. P. K. Malaviya, Secretary, ATMS
Dr. Sanjeevkumar Mishra, IIT, Bhubaneswar
Dr. Bijuwasat Mukharjee, IITDM, Jabalpur
Dr. Pragati Patel, NIT, Goa
Dr. G. Srikanth Reddy, IIT, Mandi
Dr. Pramod Bhanwartha, HoD, E&TC, PVPPCOE, Mumbai
Dr. Shashir Jagtap, Mumbai
Prof. Amit Nulk, Dr. BATU IOPE, Lonere
Prof. Aniket Jangam, Dr. BATU, Lonere
Mr. Swapnil Gani, Founder & Director, Nuzvegion Technologies

SCHEDULE

DATE	TIME	NAME OF SPEAKER
03/06/2020 (Wednesday)	11:00 AM - 11:30 AM	Inaugural Function
	11:30 AM	Chief Guest : Prof O.P.N. Calla, Director, ICRS, Jodhpur
03/06/2020 (Wednesday)	11:30 AM - 1:30 PM	Mr. Swapnil Gani Topic: "Linear Antennas and their applications on Terahertz 13.1"
03/06/2020 (Wednesday)	3:00 PM - 5:00 PM	Dr. Shashir Jagtap Topic: "Theoretical Analysis of Microstrip Antenna"
03/06/2020 (Wednesday)	5:00 PM Onwards	Quiz
04/06/2020 (Thursday)	11:30 AM - 1:30 PM	Prof. Amit Nulk & Prof. Aniket Jangam Topic: "Design and Simulation of Microstrip Antenna"
04/06/2020 (Thursday)	3:00 PM - 4:00 PM	Dr. Bijuwasat Mukharjee Topic: "Recent Trends in the development of Dielectric Resonator Antennas"
04/06/2020 (Thursday)	4:00 PM - 5:00 PM	Prof. Mahadevan V Topic: "Spacecraft Antenna Design"
04/06/2020 (Thursday)	5:00 PM Onwards	Quiz
05/06/2020 (Friday)	11:30 AM - 1:30 PM	Dr. Shashir Jagtap Topic: "MMIC Antenna Technology"
05/06/2020 (Friday)	3:00 PM - 5:00 PM	Dr. Pramod Bhanwartha Topic: "3D Structures and its Applications in Antenna Feeds"
05/06/2020 (Friday)	5:00 PM Onwards	Quiz
06/06/2020 (Saturday)	11:30 AM - 12:30 PM	Dr. Pragati Patel Topic: "Wideband and compact rectangular dielectric resonator antenna"
06/06/2020 (Saturday)	12:30 PM - 1:30 PM	Dr. Sanjeevkumar Mishra Topic: "Ultra-wide band Antenna"
06/06/2020 (Saturday)	3:00 PM - 4:00 PM	Dr. G. Srikanth Reddy Topic: "MEMS Diversity Antenna Design and Testing"
06/06/2020 (Saturday)	4:00 PM - 5:00 PM	Prof. P.K. Malaviya Topic: "Microwave Antenna Measurement"
07/06/2020 (Sunday)	11:30 AM - 1:00 PM	Industry Sponsored Session from Anritsu Corporation Topic: "Antennas for 5G"
07/06/2020 (Sunday)	2:00 PM - 2:30 PM	Dr. Avinash R. Vaidya Topic: "Effective way of writing a Research Paper"
07/06/2020 (Sunday)	2:30 PM - 3:00 PM	Valedictory Function

REGISTRATION FREE, MODE OF CONDUCT: GOOGLE MEET

CLICK TO REGISTER shorturl.at/rDIOP

LIMITED SEATS LAST DATE TO REGISTER: 01ST JUNE, 2020

For Details Contact
Prof. Ameet M. Mehta - 9702962791

E-Certificate of Participation to all Participants



Department of Electronics and Telecommunication Engineering

Faculty Development Program OUR EMINENT SPEAKERS

Dr. Pragati Patel
NIT, Goa
Topic: "Wideband and compact rectangular dielectric resonator antennas."
6th June 2020, 11:30 AM

Dr. Sanjeevkumar Mishra
IIT, Bhubaneswar
Topic: "Ultrawide Band Antennas"
5th June 2020, 12:30 PM

Dr. Biswajeet Mukherjee
IITDM, Jabalpur
Topic: "Dielectric Resonator Antenna"
4th June 2020, 3:00 PM

Dr. G Shrikanth Reddy
IIT, Mandi
Topic: "MIMO/ Diversity Antenna Design and Testing"
6th June 2020, 3:00 PM

Dr. Pramod Bhavarthe
PVPKDE, Mumbai
Topic: "EBG Structures and its application in Antenna Engrg"
5th June 2020, 3:00 PM

Dr. Shishir Jagtap
Mumbai
Topic: "Parametric Analysis of Microstrip Antenna"
3rd June 2020, 3:00 PM

Dr. Avinash R. Vaidya
PCE, New Parel
Topic: "Writing effective research paper"
7th June 2020, 2:00 PM

Prof. Amit Naik
Dr. BATU IOPE, Lonere
Topic: "Design and Simulation of Microstrip Antenna"
4th June 2020, 11:30 AM

Prof. Aniket Jangam
Dr. BATU, Lonere

Mr. Swapnil Gaul
Numerigon Technologies
Topic: "Linear Antennas and their simulation on TeraNG-19.1"
3rd June, 2020, 11:30 AM

OUR ASSOCIATES

Prof. O.P.N. Calla
Director, ICRS, Jodhpur

Prof. R. K. Malaviya
Secretary, ATMS

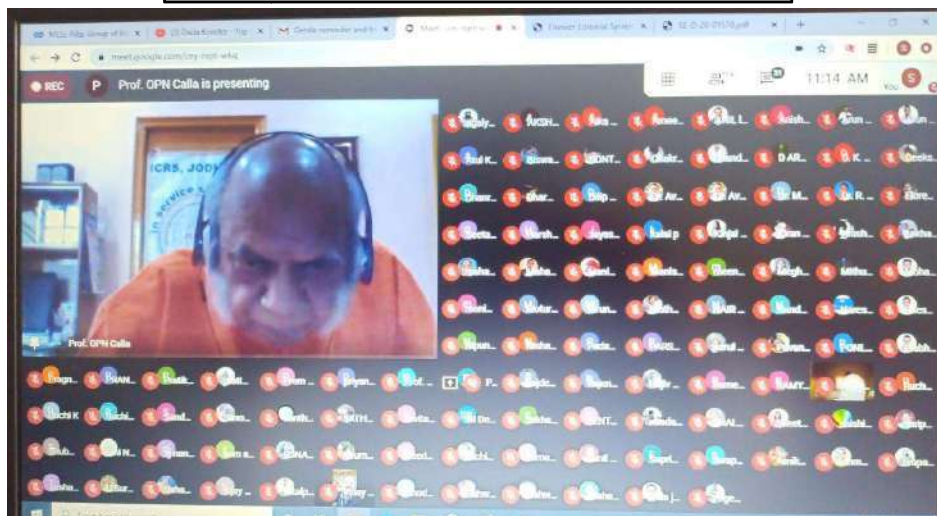
Prof. V. Mahadevan
Professor, PESU

Mahatma Education Society's
Pillai College of Engineering
Accredited A+ by NAAC

PCE
PILLAI COLLEGE OF ENGINEERING

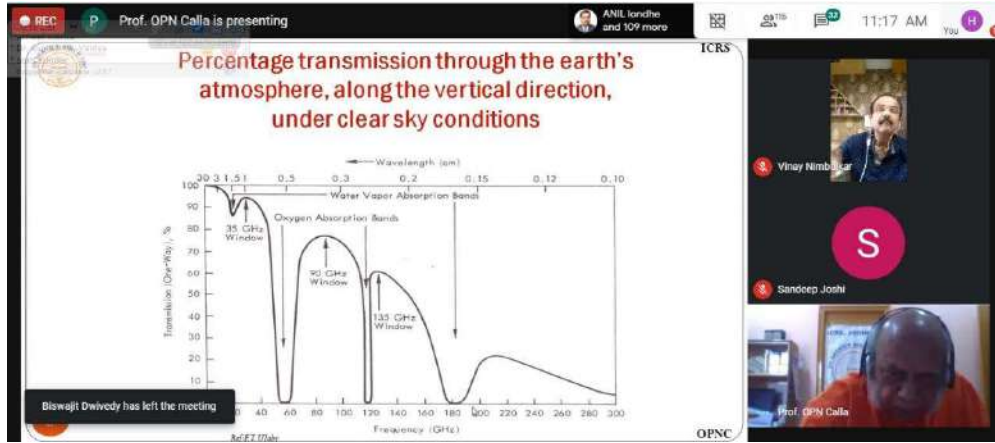
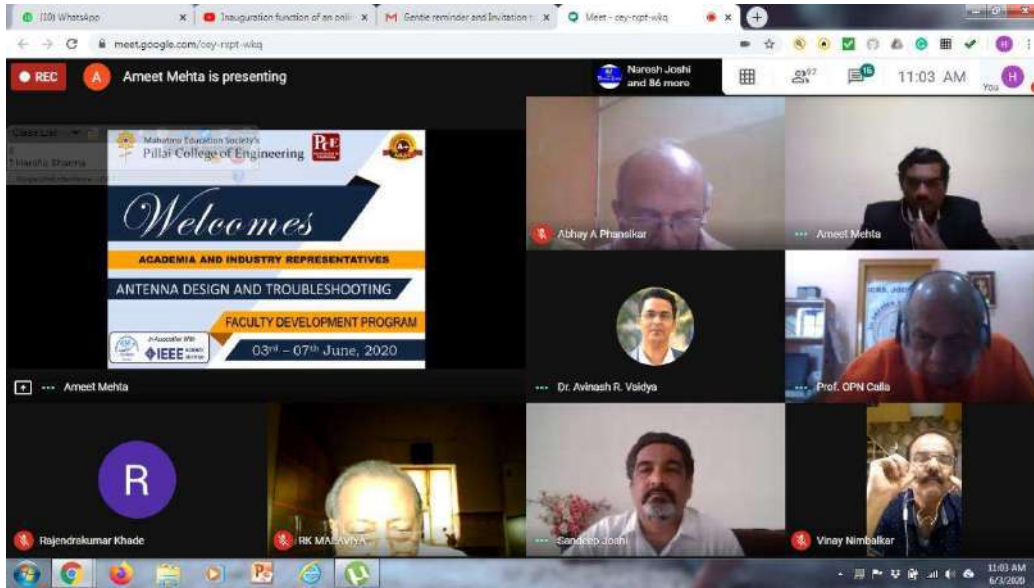
In Association With
IEEE BOMBAY SECTION

03RD – 07TH JUNE, 2020 ANTENNA DESIGN AND TROUBLESHOOTING





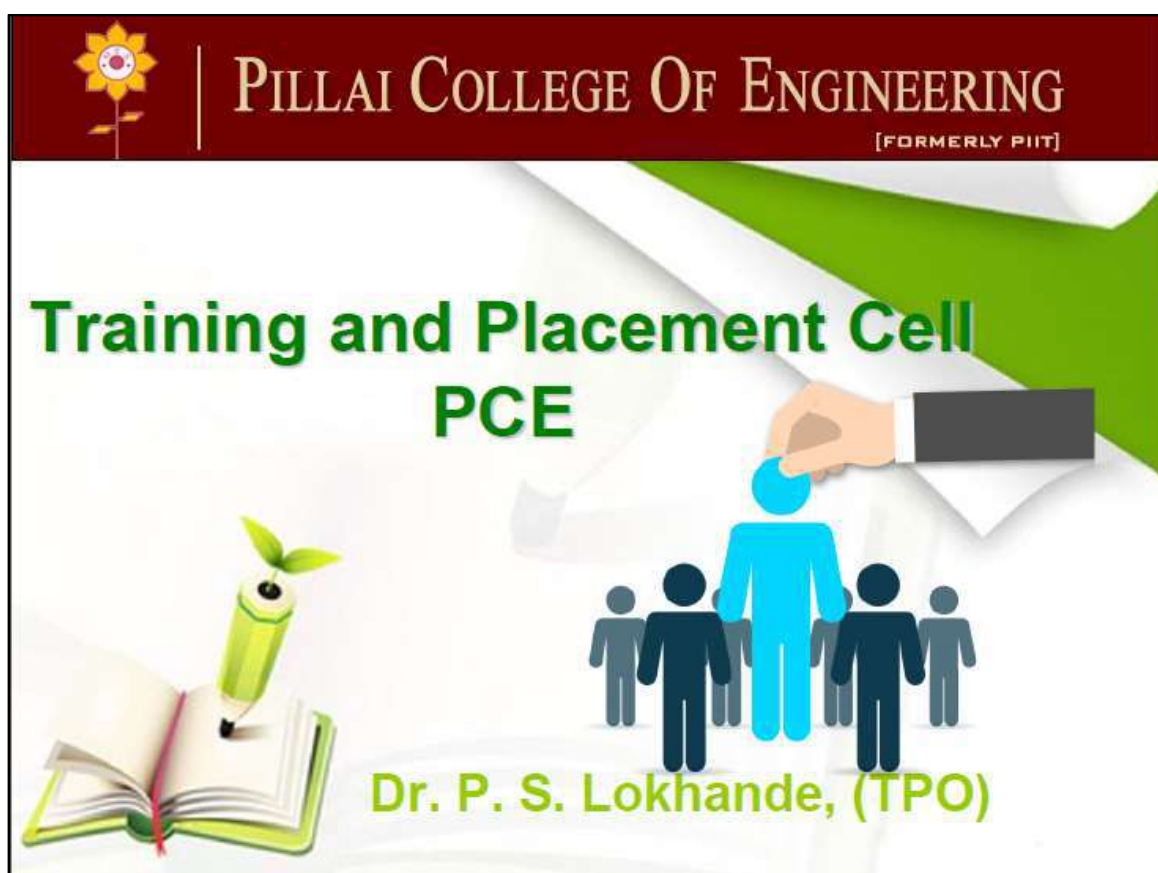
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Training and Placement Cell

Name of Activity	Date	Organiser
Placement awareness Talk 1	20 th March	Dr. Prashant Lokhande
Campus placement types Talk 2	20 th March	Dr. Prashant Lokhande
Placement awareness Talk 3	20 th March	Dr. Prashant Lokhande
CV writing Workshop	23 rd March	Dr. Prashant Lokhande
Campus to Corporate	24 th May	Placement Cell





Campus to Corporate



24TH MAY 2020



4:00 PM-5:00 PM



SPEAKER

ANISH PILLAI

Director, UBS
Former Vice President,
BlackRock

REGISTER NOW

<https://forms.gle/HpeGcmJqery3Vv736>



Industrial Visits

Computer Engineering and Information Technology

1. Visit to Cyber Forensic Laboratory



Visit of BE- Computer Engineering students who opted Digital Forensics subject was arranged on 22nd Aug 2019 at Cyber Lab, Cyber Crime Branch, Navi Mumbai Police Commissioner Office. Students got an opportunity to handle the various Digital forensic equipment and experience the real life digital evidence extraction procedure.



Electronics and Electronics and Telecommunication Engineering

1. Visit to Doordarshan



Few Students with the tallest tower in Mumbai in the background

ETSA-PCE organized a one day Industrial Visit to Doordarshan Sahayadri Kendra, Worli, Mumbai on 10th of October, 2019 for Electronics & Telecommunication engineering students. Doordarshan is an autonomous public service broadcaster founded by the Government of India, owned by the Broadcasting Ministry of India. Doordarshan operates a total of 21 channels across India which includes regional channels, a sports channel, two all-India channels and an international channel. A total of 40 students from SE and TE EXTC joined the IV. At the head office, the students were slated to learn briefly about the complete process of transmission and receipt of television signals and messages. The experience turned out to be a whole lot overwhelming and was certainly way above the expectations.

2. Visit to CIBA, Vashi

ETSA organized an industrial visit to CIBA, Vashi on 24th January 2020. A total of 46 students attended the IV and accompanying the students was a five member team of ETSA along with our ETSA Coordinator, Mrs. Apeksha Chavan and HOD, Dr. Avinash Vaidya without whom this IV wouldn't have been possible. CIBA stands for Centre for Incubation and Business Acceleration. In simple words, CIBA tries to nurture early stage startups by providing them infrastructural, management and networking support.



Mr. Sagar Chandni addressing the students about CIBA



A group photograph of the participating students along with a few representatives of CIBA, our HOD, Dr. Avinash Vaidya and ETSA Coordinator, Mrs. Apeksha Chavan.

3. Training on Embedded System Design and Internet of Things at L&T Corporate - Technology and Engineering Academy, Madh Campus.

PCE organized a two day training/workshop on Embedded System Design and Internet of Things at L & T Corporate-Technology and Engineering Academy, Madh Campus on 6th and 7th February 2020 for Electronics and Electronics & Telecommunication Engineering students. The visit was organized with prior permission and guidance of the Principal, Dr. Sandeep Joshi. It was supported by the HOD of EXTC (Dr. Avinash Vaidya) and HOD of ETRX (Dr. R.H. Khade). The students were accompanied by Department Faculties, Prof. Ishmeet Singh, Prof.



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Ruchira Patole and Prof. Pratiksha Patil. A total of 26 students registered for the training program.



L&T CTEA, Madh Campus



Mechanical and Automobile Engineering

1. Visit to Advantek Air Systems Pvt. Ltd.



Mr. Rohan Mohite explaining the actual construction and working of AHU

The visit was planned on 14th September 2019. The company consists of highly qualified staff of engineers for designing, manufacturing, Sales and Marketing. The students were taken to the site via train and bus organized by the committee of ISHRAE PCE Student Chapter. The company's Sr. Manager (Design-Developments) Mr. ROHAN MOHITE gave a brief introduction about the company and explained the basics of the Air Handling Unit (AHU) and its components. Afterward the students had the opportunity to see the working of AHU.

2. Visit to Jawaharlal Nehru Port Trust (JNPT)

Jawaharlal Nehru Port Trust is one of the biggest port in India, located near Mumbai. Industrial Visit to JNPT, Uran was arranged by AESA MESA Committee, PCE. Group of 85 students and with 3 faculty members Prof. Manikant Verma, Prof. Pankaj Khakre and Prof. Jweshwari Tupe visited JNPT on 26 th September 2019.



Students along with Prof. Manikant Verma and Prof, Jweshwari Tupe

3. Visit to SAFE A&T Technology Pvt. Ltd. Dry All



Visit to DRY ALL was planned on 12 October 2019. The company specializes in the Development, Design and Engineering of liquid Line Filter Driers, Suction Line Filter Drier, Receiver Drier, Bi- Flow Filter Drier, Suction Filter Shell, Desiccant Solid Core and Filters, Suction Line Accumulator, Liquid Refrigeration Receiver, Oil Separator, Oil Separator, Heat Exchange Accumulator, Sight Glass, Ball Valve, Rotolock Valve, Snub Adaptors With Rotolock Valves. There were 32 student members who were accompanied by Prof. Pruthviraj Rahane. Receiver. The students were introduced to processes like MIG welding, Brazing, Bubble test, Shot Blasting, Powder Coating etc.



Students at SAFE A&T Technology Pvt. Ltd. Dry All

4. Visit to ARAI, Pune



Students at ARAI with Prof. Lalit Mehta and Prof. Tikaram Verma

Industrial Visit to ARAI, Pune was organised by AESA MESA, PCE for the students of BE Mechanical and Automobile Engineering. The group of 61 Students and 3 Faculty Members Prof. Shivapradeep, Prof. Tikaram Verma and Prof. Lalit Mehata visited the company on 12th October, 2019. ARAI is a co-operative industrial research association by the automotive industry which is affiliated to the Ministry of Industry, Government of India established in the year 1966. The institute has been set up by the Indian Vehicle and Automotive ancillary manufacturers as a co-operative research body to provide services to the industry in the fields of applied research and product development in automotive engineering.



5. Visit to Science Day Exhibition



An exhibition on “Novel Materials & Smart Materials” was organised by Indian Women Scientists & Association (IWSA) to celebrate Science Day on 17th and 18th January, 2020. This exhibition was open for college students and faculty at IWSA Multi purpose Hall, Sector 10, Vashi. The students of TE-Automobile Engg from Pillai College of Engineering, were informed about the exhibition by their HOD as well as subject teacher for Automotive Materials Dr. Divya Padmanabhan. On Friday 17 th Jan 2020 around 11am, the students and the teacher assembled at the given address. All the research works presented at the exhibition were from Bhabha Atomic Research Center (BARC). Most of the staff present there were Women Scientists from BARC.

6. Visit CIPLA Unit II, Rasayni, Panvel



Students with Prof. P. Rahane

Visit to Cipla was Planned on 22nd February 2020. The company consists of Pharmacists and engineers from Chemical and Mechanical background. Students were taken to the site with a special bus arranged by ISHRAE PCE Student Chapter. Reaching at the company students were greeted by Mr. Sandesh sir and Mr. Navketan sir who heartily welcomed the students and gave a brief introduction about the Cipla and the Cipla Rasayani Plant. There were 35 ISHRAE student members accompanied by Prof. Pruthviraj Rahane for this visit at Cipla, Rasayani. Mr. Manoj Dorlikar Sir also accompanied, guided the students and took the feedback and cleared the doubts about the administrative flows and manufacturing program.



7. Visit to Grand Precicast, Amphtronics, Akhil Products, Alpha Chemical, Khopoli



Students with Prof. Dipesh and Prof Ravishankar



Students with Prof. Jweshwari and Prof. Pranita

Industrial Visit to Grand Precicast, Amphtronics Techno Pvt Ltd, Aahil Product Pvt Ltd, Alpha Chemical Private Limited, was organised by AESA MESA, PCE for the students of SE Mechanical and Automobile Engineering. The group of 82 Students and 4 faculty members Prof. Jweshwari Tupe, Prof. Pranita Thakur, Prof. Dipesh Jain and Prof. Ravishankar Kumar visited the company on 22nd February, 2020. The visit to the above companies resulted in increasing the knowledge of students about the steel refinery ,investment casting, various manufacturing machines and the workflow of the industry.



8. Visit to Science Mela



Students at Science Mela

The science mela was organized by ISHRAE Thane Chapter and Rotary Club of Thane North on 25th January, 2020. ISHRAE PCE Student chapter and other college volunteers reached the venue at 9 am. ISHRAE Thane Chapter faculties introduced Science Mela concept to students. Various pollution controlling measures were taught by faculties. Volunteers were requested to arrange their tables and their respective experiments. Students were allowed to interact with volunteers and their Science experiments. Students were very excited to see the different experiments.

9. Visit to ZECO Aircon Ltd.

The visit to ZECO Aircon Ltd. was planned for 25th January, 2020. The company's workshop and office was relocated and reconstructed according to international standards about 3 years ago. Students commuted to the industry the travel plan proposed by ISHRAE PCE Student Chapter Committee. On reaching the company, the students were greeted by Mr. Vikrant, who gave a brief introduction about the company and their product technical specifications. There were 15 student members who were accompanied by Prof. Divesh Modi. The industry arranged a small seminar about the introduction to the company and to their products and services. In the tech talk Mr. Vikrant shared with the students the company's history and progress.



Students at ZECO Aircon Ltd.



Applied Science, Mathematics and Humanities

Pillai College of Engineering First Year students (around 480) from all streams visited the science exhibition organized by Indian Women Scientist's Association (IWSA) as part of their science education and science popularization program on January 18, 2020.

IWSA is a representative body for women working in natural, physical and applied sciences, and is an all-India social welfare, non-political, non-profit NGO, with 10 branches spread all over India. The headquarters are in Vashi, Navi Mumbai the place of visit. Dr. Devaki Ramanathan (member, trustee IWSA) and Dr. Lalitha Dhareshwar (President, IWSA) presided at the inaugural function, followed by a talk on "Smart Materials" by the Guest of Honour: Dr. Debajani Dasgupta, Director of school of Biotechnology and Bioinformatics at D.Y. Patil University, Navi Mumbai.



Internship

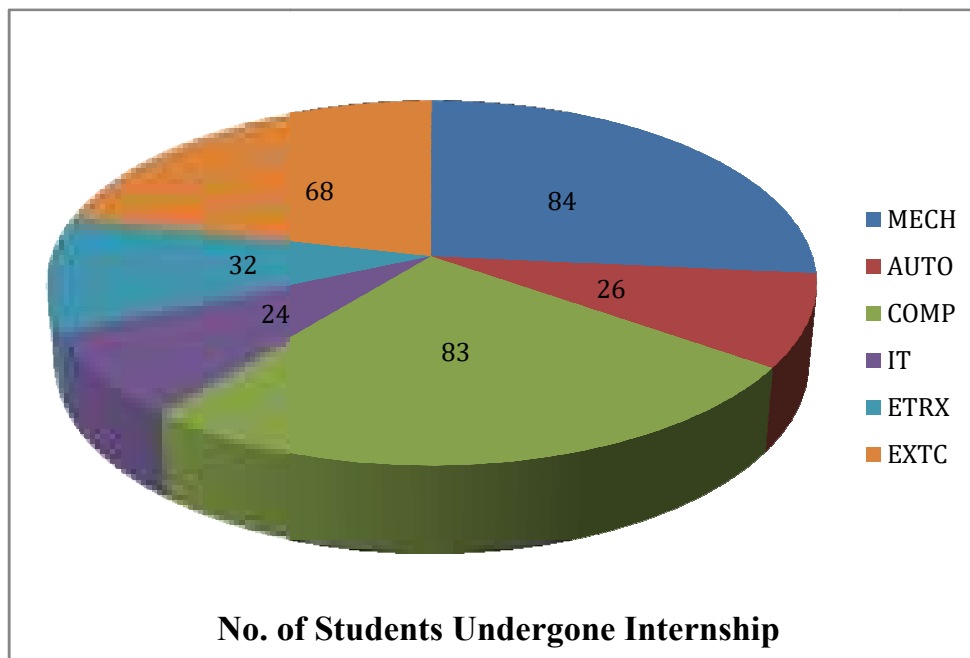
Internship: Industry Interaction for Training

Different inhouse and outsourced industry training programs are regularly arranged to bridge the gap between Industry and Academia, to make the student industry ready various cutting edge programs like Jav , Python, Machine Learning , CAD CAM, Circuit designing, Solar making are conducted in house by the department faculty members.

Institute is having Tie-up with training agencies to train the students in Aptitude and Softskill by Campus credentials, Berklays,

Internships for students: Institute encourage the students to take the internship at various companies/ organizations. Placement cell is providing all necessary help to give internship support to all interested students.

Branch/ Batch 2019					
Computer	IT	Electronics Engg	Electronics & Telecom Engg	Mechanical Engg	Automobile Engg
83	24	32	68	84	26
Total: 317					





Co-curricular Activities

Smart India Hackathon 2020

Smart India Hackathon is a world's largest platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving.

In SIH 2020, the students also had the opportunity to work on challenges faced within the private sector organisations and create out of the box solutions for some of the top companies in the world, thus helping the Private sector hire the best minds from across the nation. SIH 2020 is featured to harness the creativity and expertise of students, academicians and visionaries, to engage the sparkling minds at institute level fueling their imagination. It also builds funnel for 'Start-up India' campaign futurists. SIH2020 designed to work collaboratively by crowdsourcing intelligence for improving governance and quality of life and enabling possibilities and enhancing opportunities for citizens to deliver innovative solutions to India's daunting problems.

SIH 2020 is updated with internal hackathon as an integral event of it which is conducted at Institute level with a very enthusiastic response with approximately 60 teams. Five teams from Pillai College of Engineering were selected for this mega-endeavour for software edition. And three teams selected for the hardware edition. Grand Finale of Software edition of SIH 2020 will be conducted on 18th and 19th July 2020. And Grand Finale of Software edition will be conducted from 18th July to 22nd July 2020 across India.



Inter Hackathon SIH2020 Winners



Deep Blue



The Mastek initiative - Project Deep Blue, is an intercollegiate competition, encouraging engineering students to solve social problems using coding skills to come up with meaningful technical solutions over the course of three months. As the name signifies, the competition promotes “Deep Thinking”, “Innovation” and awareness about the “Social Issues” in these young minds. It provides an early start, mentorship and industry exposure to the Entrepreneurs and Technology Leaders of tomorrow. The launch event for the 5th season of the competition held on 18th October 2019 at K. J. Somaiya Institute of Engineering and Information Technology, Ayurvihar Campus, Sion, Mumbai. The initiative was launched in 2015 and is in the 5th season with more than 1200 students from 14 colleges participating from in and around Mumbai and Navi Mumbai. Each team tackles social problems and builds working technology solutions for these problem statements in 3 months. In the 5th season 348 teams (1216 students) registered out of which 48 teams were selected for the competition. 6 teams from Pillai College of Engineering were selected for the Competition.

- 5 teams successfully completed the projects and presented their solution at Mastek on 15th February 2020.
- One team qualified for the final
- One team was judged super team for throughout consistent performance (not qualified for final).
- Team MVA 7 won the Second Prize of the 8 teams competing in the finals held on 16th February 2020.

Problems:	1. Measure Visual Acuity (MVA) 2. Predict Queue Wait time (PQT) 3. Garbage Profiling Problem (GPP) 4. Public Toilet Health Check (PHC) 5. Long Term Capacity Planning (LCP)
Total Students Participated	1216
Total Teams Participated	348
Total Colleges Participated	14
Total Teams Selected:	48
Teams Selected from PCE:	6



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Selected Teams

Problem	Team Leader1	Member2	Member3	Member4
Garbage Profiling Problem (GPP)	Ronak Suresh Karani	Pradnesh Chandrakant Khedekar	Pradeep Pratap Kshirsagar	Tejas Hemant Choudhari
Long Term Capacity Planning (LCP)	Gaurav Joshi	Prasad Karad	Divyam Solanki	Lovkesh Sharma
Measure Visual Acuity (MVA)	Manthan Gharat	Vighnesh Srinivas	Sharanya Menon	Rohan Maloor
Predict Queue Wait time (PQT)	Sushant Shinde	Preetam B A	Shubnarayan Ghosh	Yugabdh Pashte
Predict Queue Wait time (PQT)	Vishnu Nair	Karan Nair	Abhilash Nair	Jitin Nambiar
Public Toilet Health Check (PHC)	Ajaykumar Nair	Aishwarya Kanchan	Sabiha Jahangeer	Anmol Sharma



Project Deep Blue Finals Held on 16th February 2020 at K. J. Somaiya Institute of Engineering and Information Technology



Racing Car Teams

Hyperion:



1. Formula Student Bharat 2020

- a. Overall National Ranking: 32 out of 72 teams
- b. Design Engineering Event Ranking: 19 out of 72 teams

2. Champions of Champions 2019 (Organized by I.S.I.E India)

- a. Design Engineering Event Ranking: 2nd
- b. Business Plan Presentation Ranking: 3rd
- c. Overall National Ranking: 5th



Spark:



The team successfully cleared the 1st level of Formula Bharat 2020 by clearing the quiz to enter FB2020 competition which was held in Coimbatore in January 2020.

Vanguard:



Team participated in ESI 2K19 and successfully secured 74th rank among all the teams.



IIC National Innovation Contest 2020

Students Team have participated in the 2nd edition of IIC National Innovation Contest 2020 organized by IIC- MHRD’s Innovation Cell (Govt. of India Initiative). It was announced in the month of February 2020, so that IICs and students will get enough time to go through the complete 360-degree process of learning. The IIC-National Innovation Contest 2020 aims at identifying creative minds, engaging them in building innovations, nurturing them through series of mentoring sessions and bootcamps.



360-degree process of learning

IIC National Innovation Contest 2020

PoC/ Prototype Deadline Extension

- MHRD’s Innovation Cell is inviting innovative Idea, POC and Prototype submissions from Students of IIC institutions.
- IIC National Innovation Contest is a 360° hand-holding process for entrepreneurial students, which train them to develop their Innovative skillset, which will help to develop their commercially viable venture.

Last date of submission of

Idea	21st June 2020
PoC	31st July 2020
Prototype	31st July 2020

For details and guidelines about contest visit www.mic.gov.in/innovationcontest



The themes for the contest were as follows:

- Healthcare & Biomedical devices.
- Agriculture & Rural Development.
- Smart Vehicles/ Electric vehicle/ Electric vehicle motor and battery technology.
- Food Processing.
- Robotics and Drones.
- Waste management.
- Clean & Potable water.
- Renewable and affordable Energy.
- IoT based technologies (e.g. Security & Surveillance systems etc.)
- ICT, cyber-physical systems, Blockchain, Cognitive computing, Cloud computing, AI & ML.

Participating Teams

1. Title: Indian Hybrid - Convert to Hybrid
Theme: Smart Vehicles/ Electric vehicle/ Electric vehicle motor and battery technology.
Team Leader: Ketan Naresh Jain
Team Member: Deepesh Chitale
2. Title: Bhu Vargikaran
Theme: Agriculture & Rural Development.
Team Leader: Rohan Bait
Team Members:
3. Title: Device for measuring Visual Acuity
Theme: Healthcare & Biomedical devices.
Team Leader: Manthan Gharat
Team Members:
4. Title: Demand Doctor
Theme: Healthcare & Biomedical devices
Team Leader: Sushrut Kuchik
Team Members:
5. Title: Mental Health Analysis through Social Media, Facial Expressions and Voice Manipulation during Conversation
Theme: Healthcare & Biomedical devices.
Team Leader: Midhun VM
Team Members:
6. Title: Icefish Bitlive P2P Video Conferencing Solution
Theme: ICT, cyber-physical systems, Blockchain, Cognitive computing, Cloud computing, AI & ML
Team Leader: Vivek kumar Subhashchandra Vaishya
Team Members:



Maker's Day

Date- 28th September 2019

Objective-

1. To make students aware of facilities available in all departments.
2. To create interest about facilities available in college.
3. To connect students with teachers of all department.
4. To solve doubt of students from senior faculties.
5. To get requirement of particular facility training.
6. To propose interdisciplinary projects.

In today's world every engineer must have knowledge about different stream. A Mechanical engineer will learn all subjects and perform practicals related to mechanical stream only throughout his academics. According to university syllabus every student will perform practicals in their departmental labs. So there was a small probability that Mechanical branch students visiting electronics lab. This is the reason most of the students don't know the facilities available in other department labs which are very useful for their project work.

We at PCE feel that all students from an engineering college must know facilities available at different labs irrespective of branch. To break this wall of particular tag of stream the Maker's Day was introduced in 2017.

Maker's Day is activity of one day, where all students can visit any lab from college. A facility guide brochure is designed, which contains all the details about facility available and address of lab. One week before the maker's day date the brochure is circulated to students so they are well aware about the plan. Every lab had station in-charge which will guide the visiting students in following matter

1. Explain all facilities offered at lab.
2. Working and applications of each facility.
3. How it is useful for doing projects.
4. Ask students for requirement of training.
5. Propose interdisciplinary project topics.

Students who wished to take advantage of this unique opportunity turned up in huge numbers. A desk for every Student Body was set up for this orientation in the Stilt area. Student Bodies such as CSI-PCE, IEEE-PCE, ETSA, ISHRAE, AESA-MESA, Hyperion Racing Team, Vanguard Racing Team, Spark Racing Team participated in the orientation. Speakers and Projectors were installed to ensure that the students could understand easily. The students were taught about the various future aspects of being in the college along with the benefits of being a part of a committee. The volunteers guided them to all the student desks to help them know the college better. The volunteers cleared the doubts of students regarding which committee to join depending on their will and the department too. One to one attention was given to every student and all the doubts were solved by the volunteers present there.



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Lab allocated for Maker's Day

Department	Location - Lab Name	Equipments
Mech/ Auto	J201 - CAD Lab	CAD Modeling -Solidworks, AutoCAD CAM - MasterCAM CAE analysis - Ansys
	J202-Model Room	Measuring instruments
	R002 - CNC Lab	Maker studio, Component Library, 3D Printer, LASER Cutting CNC machine, M6 & Bosch manufacturing Tools, DJI Drone
	J001 - Machine Shop	Lathe machine, Milling Machine
	R003 - SOM Lab	UTM, Impact Testing Machine, Hardness Testing Machine
	Auto Lab	Automobile Equipment
	J101 - MT Lab	Metallurgical Microscope, Polishing machine, Fatigue testing machine
ETRX/ EXTC	J104 - PCB Lab	PCB Fabrication, Power Electronics kits
	T301 - Digital Electronics	Digital Electronics kits and VLSI Software
	T401 - Microprocessor & Controllers	MPMC Kits
	T403 - Advance Communication Lab	AM, FM, PM kits and Antenna Kit
	T302 - Analog Electronics	Analog Electronics kits
	J 102 - Mechatronics / Robotics Lab	Pneumatic trainer kit, Hydraulic trainer kit Robotics trainer kit & Assembly
COMP/ IT	R-101	Bigdata Hadoop
	S-101	Computer Network
	S-301	IOT
	S-107	Python and its applications
	S-207/ 208	Digital Forensics
	S-205/ 206	Computer Architecture



Brochure for Makers Day -

PCE
PILLAI COLLEGE OF
ENGINEERING

MAKER'S DAY
CNC LAB R002

28 Sept 2019

1. 3D Printer- Ultimaker 2exd
2. WILDTHUMPER - A remotely controlled vehicle
3. DJI Inspire 1 & Phantom 4
4. GCC Laser cutter
5. Virtual Reality Oculus
5. TableTop CNC
6. Component library
7. Ferrofluid
8. Shape memory alloy
9. Microcontroller-Arduino,

:: ROS

CAD CAE LAB J201
Softwares

1. AutoCAD
2. Solidworks
3. Ansys
4. LabView

**Dr. K. M. Vasudevan Pillai Campus, 10, Sector 16, New Panvel,
Navi Mumbai, Maharashtra 410206**

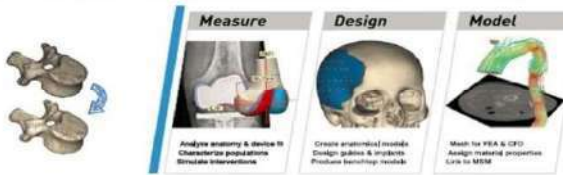


Inspection Instruments:
Verniers, guages, micrometers and comparators (mechanical and optical)

GET HANDS-ON @ METROLOGY AND QUALITY CONTROL J202



1. Multipurpose M6-Used for turning and drilling of small products.
2. CNC Turning and milling
3. Shake Hand with Yourself



GET HANDS-ON @ CAM LAB - R002

1. Complete Tool box
2. Gear box
3. Batteries
4. Multifuel engines



GET HANDS-ON @ AUTOMOTIVE LAB - WORKSHOP SHED



1. Universal Testing Machine
2. Impact testing
3. Hardness testing

GET HANDS-ON @ STRENGTH OF MATERIAL LAB - R003

1. Metallurgical Microscope with camera
2. Polishing machine (to prepare clean metallic surface)
3. Mounting resin-to make metallographic samples
4. Density measurement for any solid/porous object
5. Muffle furnace (upto 1000°C)



GET HANDS-ON @ Material Technology Lab- J102



1. Learn assembling and disassembling of PC

GET HANDS-ON @ PC Assembling & Debugging- S103



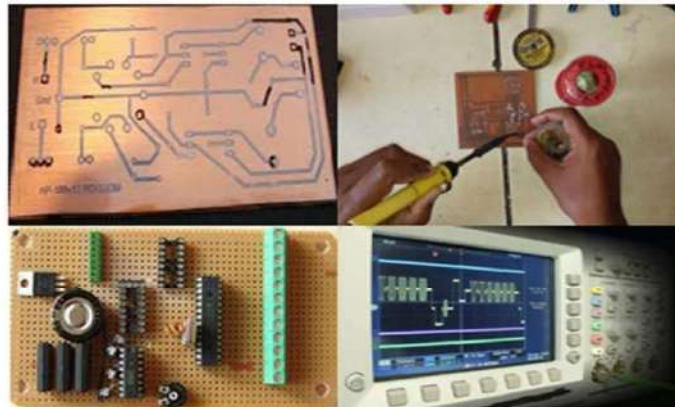
1. Atmel 89v51RD2
 2. PIC Microcontrollers
 3. Various Interfacing devices like DC Motor, Stepper Motor, ADC/DAC converter, LCD, Keypad, Traffic signal.
- Applications: Calculators, Games machine, Traffic light Control, Counters, Shift registers.

GET HANDS-ON @ MICROPROCESSOR AND CONTROLLER -T401



1. LPC 2148, Xbox, Wireless camera
 2. Microcontroller 8051 and AVR 8056 All kind of development tools and software's are available.
- Application: Robot available for application development

GET HANDS-ON @ ROBOTICS LAB - J102



1. Analog modulation and Demodulation kits.
 2. Digital Modulation and Demodulation Kits
- Various Antennas, Digital signal Processing Kits.

Application: Filter Designing as per cut off value, Designing of antenna for various gain, GSM Based wireless controller

GET HANDS-ON @ ADVANCED COMMUNICATION LAB - T403



Annual Report 2019-20

1.Specialized networking hardware like CISCO routers, switches, WAN controller, NICcards, cables etc

2.Softwares -

ZTI IP Traffic Test And Measure - For complete network testing.



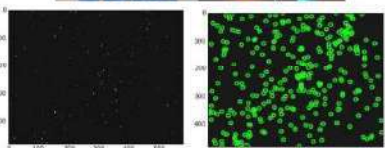
QualNet Simulator - Advanced network and protocol simulator.

GNS3 - A network software emulator which can simulate complex networks with virtual and real Cisco devices.

Packet Tracer - Network simulator by Cisco to simulate computer networks.



GET HANDS-ON @ ADVANCED NETWORKING LAB - S101



- 1.Image Processing to find no of stars.
- 2.Web development
- 3.Data Visualization
- 4.Data Science

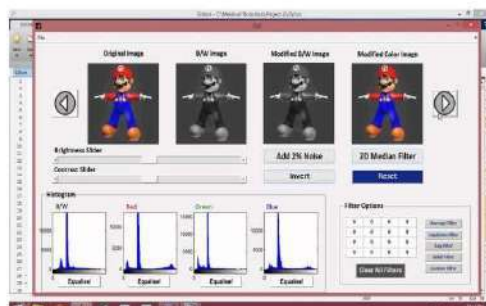
GET HANDS-ON @ Python & its applications- S107/8

1.The Lab contains Data Mining and Big Data tools like Weka, Hadoop, NoSQL Databases and MapReduce.

2.These tools can be used to work on any Big Data Analytics project and research work.

3.Introduction and application of microcontroller like Node mcu, Arduino, Raspberry Pi

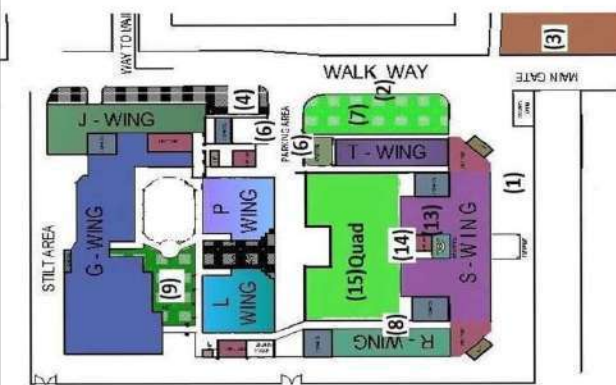
GET HANDS-ON @ BIG DATA AND IOT LAB - R101



Rational Software Architect

- 1.Creating forensic duplicates using FTK imager.
- 2.File system analysis using the slueuth kit-Autopsy.
- 3.Data acquisition and file recovery using ferensic tools-ProDiscover Basic,Access data FTK.
- 4.Data hiding using Steganography tools-S Tool
- 5.Log & traffic capturing and analysis tools-wireshark
- 6.Email and Mobile forensic tools- AccessData FTK
- 7.MATLAB-GUI

GET HANDS-ON @ DIGITAL FORENSIC LAB - S207



Code for location e.g P-201

- P:** Wing Name (Alphabets viz; P, J, T, S)
- 2:** Second Floor (single digit numeral indicates the floor. 'Zero' implies ground)
- 01:** Lab Number (double digit numeric)

LOCATION MAP



Lab Visits



PCE Student Bodies



Project Based Learning

Automobile and Mechanical Engineering

ODD SEM

Second Year

There were two PBL topics that were floated for the student groups to choose from, at the start of the semester. They are:

- (1) Column Design Challenge
- (2) Fidget Spinner

A minimum of 2 students and a maximum of 4 students were allowed to form PBL groups. There were two stages of evaluation in the semester, a mid-term (Stage 1) and a final (Stage 2) evaluation, in view of ensuring consistency in the work done throughout the semester and preventing last minute hassles. Also, a separate period of 1 hour was allotted to the students per week for planning and carrying out PBL activity.

1) COLUMN DESIGN CHALLENGE

Objectives:

- a. Students are required to design (find minimum cross section dimensions) two miniature columns of different materials, but having the same length and load sustained; so that they are just able to support the load without buckling and remain under neutral equilibrium (regain shape after some transverse load causing deflection is removed) when put to test.
- b. For the designed cross section for each column material, students now need to calculate the minimum length of the column required and successively test it so that the reduced column is just able to withstand the same load without crushing.
- c. Lastly, students need to re-test the columns as in (a) and (b) above, with slightly increased loads respectively; so that they can demonstrate failure of columns due to buckling—as in (a) above, and due to crushing—as in (b) above.

2) FIDGET SPINNER

Fidget Spinners are toys that are little gyroscopes, which can spin at high speeds with little effort when spun in someone's hands. A basic fidget spinner consists of a usually two- or three-pronged (but can have up to six prongs or more) design with a bearing in its center circular pad. They are made from various materials including brass, stainless steel, titanium, copper, aluminum, and plastic (see picture). Each fidget spinner also has two or more weights on the outside that make it spin faster and stay balanced. Bearings and the moment of inertia can vary to adjust for the design's spin time, vibration, and noise, causing unique sensory feedback. Students should ensure that a rubber band can be attached to the spinner.



Fidget spinners in the Project



LabSetup to provide uniform input to the spinner

Third Year

There were two PBL topics that were floated for the student groups to choose from, at the start of the semester. They were:

- (1) Aeolipile (Heron's Engine)
- (2) Keep It Warm

A minimum of 2 students and a maximum of 4 students were allowed to form PBL groups. There were two stages of evaluation in the semester, a mid-term (Stage 1) and a final (Stage 2) evaluation, in view of ensuring consistency in the work done throughout the semester and giving feedback during the Semester so that students can improve their understanding of the topic and present a model during the final demonstration stage. Also, a separate period of 1 hour was allotted to the students per week for planning and carrying out PBL activity.

The Problem Statement, Rubrics for Stages 1 and 2 evaluations, and the conclusions drawn at the end of the activity are highlighted in brief, as follows.

1) Aeolipile (Heron's Engine)

A Hero engine or the Aeolipile is an ancient device that uses steam to produce rotational motion. Water is heated inside a chamber and the steam produced is released from a pair of nozzles. This produces a torque causing the device to rotate. In the 1st century AD, Heron of Alexandria described the device, and many sources give him the credit for its invention. The aeolipile Heron described is considered to be the first recorded steam engine or reaction steam turbine. The name – derived from the Greek word Aeolic and Latin word pila – translates to "the ball of Aeolus", Aeolus being the Greek god of the air and wind.

Students were asked to design in solidworks, generate a mathematical model and finally build and test the device. The device should be able to rotate at a certain peak RPM, for a fixed amount of time and it needs to be attached to a generator to generate a voltage of at least 1V. The device will be developed in multiple stages. Students will be tasked to do the following.

1. Model the device and derive equations for the following (20 marks)
 - (a) Time required for the device to start spinning
 - (b) Time required for the device to stop spinning



- (c) The angular velocity for the device assuming no friction and and that the fluid is incompressible
 - (d) The pressure that is developed inside the boiling chamber
 - (e) The torque generated when the chamber is prevented from rotating
 - (f) The relationship between the angular velocity and the voltage generated
2. Detailed assembly drawing of the device that includes the boiling chamber along with the nozzles, the attachment of the chamber to a generator or a motor with leads that can be used to measure the voltage. The device should be fitted correctly such that the chamber does not wobble. Students are encouraged to watch videos online (on youtube) of the different types of designs other people have developed. They should analyze pros and cons of the different orientations (horizontal and vertical) before picking their own design. Also note that the leads should not be rotating.
 3. Fabrication of the device. The chamber must be made using materials that have a melting temperature of at least 200 °C or above. Students should also try and use low friction bearings for the attachment of the chamber to the fixtures. There should also be a way to refill the device with water when needed and the reseal for further testing.
 4. Testing of the device to measure the time to start and finish, the final angular velocity and the voltage generated. The device should be supplied with no more than 100 ml of water. It should start spinning within 1min of supplying heat and stop within 10 mins. Students should assume that we will be supplying heat with a candle or a burner that can generate heat of around 50 watts. Students should also ensure that the device is safe to operate.

EVEN SEM

Second Year

LIQUID POURING MECHANISM

The Scope:

Liquid pouring mechanism is aimed to assist the physically weak human population (viz., the elderly and those with body ailments), children etc. to hold a large bottle/flask and pour liquid onto a container (cup, glass etc.) comfortably and safely.

Objectives:

1. Students are required to devise and construct a workable mechanism that should be able to hold a large 2.5 litre PET bottle filled with liquid, and also hold a container (glass, cup or similar) at a convenient location.
2. The mechanism when operated by a hand (single stroke only) should tilt the bottle and pour the required amount of liquid onto the container.
3. The PET bottle and container may have relative motion (linear/angular or both) with respect to each other.



4. When the hand is released, the mechanism is supposed to come to its initial position on its own, neither disengaging the bottle nor the container during the process.
5. Provision should be made in the mechanism for easy removal of both the PET bottle and the container whenever needed.

Third Year

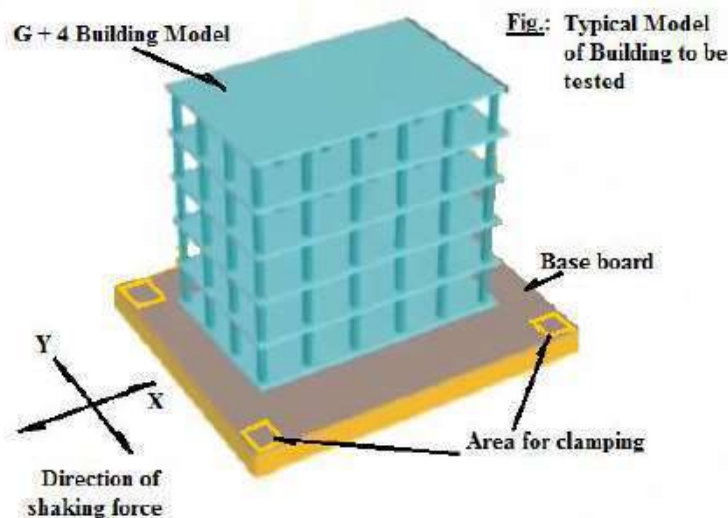
EARTHQUAKE RESISTANT BUILDING MODEL

The Scope:

Earthquake risk arises mainly due to unsafe building constructions. The project work is aimed to educate students about the effects of earthquakes on structures, and help them investigate and develop solutions to a simple design problem. This will increase general awareness of the importance of good design. In particular, the project work will address the problem of base excitation on structures (in a multi-d.o.f. vibration system) where students will use knowledge gained from vibration theory, supplemented by finite element simulation using ANSYS to extract the resonant frequencies, and finally, conducting a series of tests on a shaker table (with excitations in different directions and magnitudes) to validate their designs.

Objectives:

1. Students are required to design and construct small scale models of buildings that can stand up to static test, as well as dynamic test (strong earthquakes).
2. The model should be able to support a minimum amount of static load.
3. The models also should sustain artificial earthquakes (both small and large) generated on the shaker table, provided by the college.
4. The building model will be considered 'earthquake proof' if it doesn't fall and also retains the complete structure, during a period of 10 seconds, over the shaker table.





Computer Engineering

Second Year SEM III

Objective - To enable the students to apply concepts of the present semester subjects (including those of previous semesters) in the form of a design project based on certain application. It is hoped that it shall eventually lead to a better learning experience as opposed to textbook learning. Separate topics are assigned to all students in groups (maximum 4-6 students per group) of the same year to enable healthy competition among the different teams. The students work in groups and assign and distribute various aspects of work so as to realize the project based on a timeline of about 2 to 3 months. Queries and doubts are clarified by interactions with the PBL coordinators and subject experts. Student groups submit the PBL report during their demonstrations on a specified date in front of the faculty members.

Key Skills: Core Java, Java AWT, Database Technology, C Programming

OOPM Topics

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

Data Structure Topics

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 select SELECT<select-list> FROM <from-list> WHERE <condition>
4. Check syntax of c program in terms of well formedness 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



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7. Design Hash data structure with Quadratic and double hashing probing as collision resolution technique
8. Build a new datatype by the name varchar to store variable length data, similar to varchar data type in DBMS softwares like Oracle, MySQL, PostgreSQL
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 salesperson 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





Third Year SEM V

Objective —Project-based learning is an instructional approach designed to give students the opportunity to develop knowledge and skills through engaging projects set around challenges and problems they may face in the real world. PBL is "learning by doing" The truth is, many in education are recognizing we live in a modern world sustained and advanced through the successful completion of projects. Or, as Swiss Psychologist Jean Piaget put it, "knowledge is a consequence of experience."It's true! Your weekend chores, an upcoming presentation, or organizing a fundraising event—they're all projects. For most modern workers, it will be a series of projects that mark their career rather than years of service to a specific organization. "Solving real-world issues that matter is important to us as adults—and it's important to our students,"

In short, if we are to prepare students for success in life, we need to prepare them for a project-based world.

What are the Essential Elements of Project-Based Learning?

Although definitions and project parameters may vary from school to school, and PBL is sometimes used interchangeably with "experiential learning" or "discovery learning," the characteristics of project-based learning are clear and constant. In essence, the PBL model consists of these seven characteristics:

- Focuses the student on a big open-ended question, challenge, or problem to research and respond to and/or solve.
- Brings what students should academically know, understand, and be able to do into the equation.
- Is inquiry-based.
- Uses 21st-century skills such as critical thinking, communication, collaboration, and creativity , among others.
- Builds student choice into the process.
- Provides opportunities for feedback and revision of the plan and the project.
- Requires students to present their problems, research process, methods, and results.

Methodology

1. Create a groups (4-5 students in each group)
2. Identify the Problems
3. Provides solution to the problems.
4. The students work in groups and assign and distribute various aspects of work so as to realize the project based on a timeline of about 2 to 3 months.
5. Queries and doubts are clarified by interactions with the PBL coordinators and subject experts.
6. Prepare the project report.
7. Present the Project to the experts.



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PBL Topics:

1. Movie Review Website Sports Event Management
2. E commerce Website Job Consultancy Portal
3. Engineering website Leave Management System
4. Leave Management System Consumer Rights Portal
5. Music Library Event Management System
6. Sports Website Music Academy
7. Tourism Webpage Online Auction System
8. Online Room Rental System Garbage Management System
9. Emotion Recognition of face Insurance Management Portal
10. Online Coding Quiz Website Book Management System
11. Book Management System Tourist Guide Portal
12. Bus Reservation Online Canteen Food Ordering
13. Assignment Portal Hotel Management
14. Restaurant Review System Blog Management Portal
15. Hotel management Healthcare Management
16. Gym Journaling Online product shopping
17. Camping Grounds Review Game selling Portal
18. Railway Ticket Reservation Railway Navigation System
19. Crime Management System



PBL Photos



Electronics and Telecommunication and Electronics Engineering

Third Year SEM V

For July- December 2019, the PBL problem statement was to design Arduino Based Games. Minimum requirement for the game designed was to have multi level and multi player. The player should be able to pause, resume and end the game at any instant. There were 55 groups from both departments. Games like Maze Solver, Pong Game, PinBall, TicTacToe, Flappy Bird etc. Mock PBL exhibition was held in the third week of September 2019. Final PBL exhibition was held on 12th October 2019 where students showcased their projects. Project groups were examined by faculty members of both departments. On the basis of the marks given by the examiners, the best 10 project groups were selected and awarded with certificates. Few photographs of projects are shown:



Maze Solver



Pong Game



Target Shooting Game

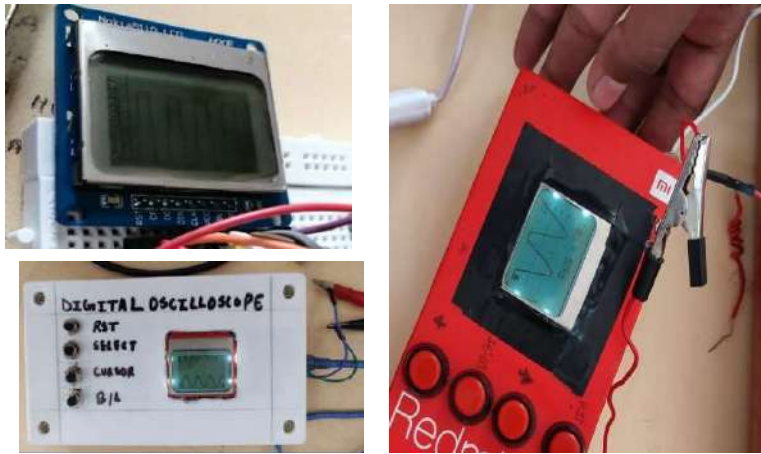


3 D Ping Pong Game



Second Year

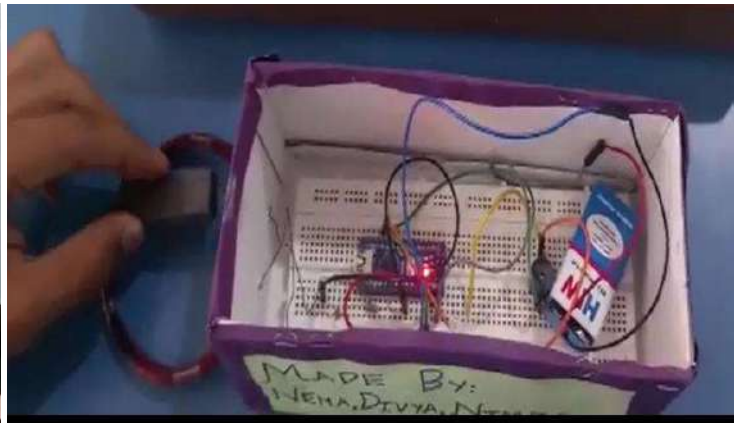
For July - December 2019, the PBL topics were musical fountain, digital oscilloscope and metal detector. PBL project exhibition, displaying all the projects was held on 12th October 2019. The projects were assessed on the basis of different parameters like overall organization of the project, understanding of the topic, hardware implementation, analysis of the obtained output and teamwork. On the basis of the assessment carried out best projects were appreciated and awarded with certificates.



Digital Oscilloscope



Musical Fountain



Metal Detector



SE EXT C A (group awarded for making the best metal detector)



Best PBL certificate distribution



Department of Information Technology

SE SEM IV

Objective—To enable the students to apply concepts of the present semester subjects (including those of previous semesters) in the form of a design project based on certain applications. It is hoped that it shall eventually lead to a better learning experience as opposed to textbook learning. Separate topics are assigned to all students in groups (maximum 4-6 students per group) of the same year to enable healthy competition among the different teams. The students work in groups

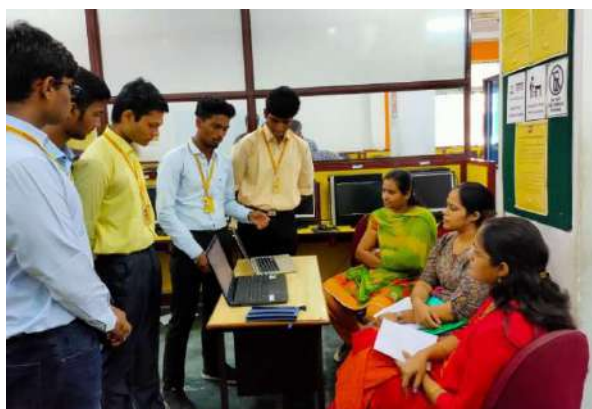
and assign and distribute various aspects of work so as to realize the project based on a timeline of about 2 to 3 months. Queries and doubts are clarified by interactions with the PBL coordinators and subject experts. Student groups submit the PBL report during their demonstrations on a specified date in front of the faculty members.

PBL Topics:

1	Society Management System
	The software system can store the data of various flat owners and their family members, visiting servants along with their images. The system also maintains and calculates the society maintenance, cultural funds, emergency funds and other charges and adds them automatically in individual flat bills. The system needs an administrator to input various flat owner data and billing amounts into it. List of members with pending dues should be displayed, also the interest to be paid on pending amounts should be added to the monthly bill.
2	I card generation for different events in College
	The software should be able to generate ID cards for various events that are held in PCE. Generate different templates(should contain College name ,address and Logo) that can be used for different events. Generation of ID cards should contain the following information 1. Name of Candidate 2. Photo. 3. Name of Event 4. Event Date. Details of the events and registration should be stored and fetched from the database.
3	Inventory management system for College office stationeries
	The software should be able to accept requests from staff and other college employees for stationeries. Provide dropdown for selection of stationary items and its quantity. The administrator should be able to view summarized requests from staff. While the items are issued, the details(item,quantity,date) should be entered in the software. On selection of staff it should list the items issued to him/her.



4	Employee Leave Management System for department in college
	The Leave Management System will allow the faculty of college to apply leave through their system. Faculty will be able to see their current leave balance and will have the option of applying leave. Once the faculty applies for leave, then his/her leave balance will be deducted. The HOD of the department will be able to see the details of faculty who are on leave today. Faculty window will allow faculty to apply for leave and check leave balance and data will be maintained in the database. The HOD window will allow the HOD to check-list of faculty who are on leave on the given day.
5	Faculty finder in college
	The software should store the list of faculty, seating location, extension number, office hours and time-table of the faculty. The software should be able to select a faculty based on department and name of faculty, display details of the faculty along with the current location(classroom/ lab/ seating room).
6	Tax Calculation through form 16
	Form 16 is essentially a certificate employers issue their employees. It validates the fact that TDS has been deducted and deposited with the authorities on behalf of the employee. Create forms to enter details from form 16 and store it in a database. Calculate total tax payable/refund. Research for tax slabs and exemptions from ITR website.
7	Hotel Management System
	A hotel system manages information about rooms, reservations, customers, and customer billing. A clerk makes reservations, he/she needs to check if a room the customer wants to reserve is available. If a room is available, the clerk enters customers's information into the system. A clerk checks in a customer, changes the checkout date, and checks out the customer. A room is assigned to the customer at check-in time and a customer billing record is created at that time. The customer billing record is updated every day. When a customer checks out, the clerk prints the bill. A customer can pay by cash, debit, credit card when he/she checks out.



SE Project based learning demonstration

SE SEM IV

Objective—To enable the students to apply concepts of the present semester subjects (including those of previous semesters) in the form of a design project based on certain applications. It is hoped that it shall eventually lead to a better learning experience as opposed to textbook learning. Separate topics are assigned to all students in groups (maximum 4-6 students per group) of the same year to enable healthy competition among the different teams. The students work in groups and assign and distribute various aspects of work so as to realize the project based on a timeline of about 2 to 3 months. Queries and doubts are clarified by interactions with the PBL coordinators and subject experts. Student groups submit the PBL report during their demonstrations on a specified date in front of the faculty members.

PBL Topics:

SN	Topic Name	Abstract
1	Ambulance Services for medical emergencies	Ambulance services are important for Health & Medical facilities. Requirement is to build a mobile app similar to Ola / Uber cab services. But it will be for Ambulance services. This app will have Ambulance driver's register their availability and location. Both Executive at



		Emergency Helpline and User's on the other hand on App's Client interface will book an ambulance. This will promise a fast and reliable ambulance service in case of emergency.
2	Alegria Event Manager App	This Web-App is built using HTML, CSS, Javascript and CSS framework like Bootstrap. This App will enable the user to select their choice of event category and join the particular event of their interest using Google Forms .Each and Every Event has a brief description about it .The user will also be able to enquire about any questions that arises by using the contact us page which consists of Phone Number and a Question Form.The user can also see the schedule of each and every event on the schedule page.
3	Scrape Project topics and its abstract for Computer and IT department	The project is all about scraping project titles from different websites and showing it in one place using requests, selenium and beautiful soup . We will also be implementing backend in Sqlite3 where we will be saving any topics bookmarked by the user
4	Create a web portal for conference system	The web page consists of the homepage ie. home, about us, password, login and register. The user can get themselves logged in, and if they don't have an account, they can get themselves signed up for the same. After getting logged the user can enter the record and the records can be viewed later only by the admin for confidentiality .The user also has the facility to do video conference calls. The site is accessible to the users who have registered anytime and they can update their information. . Software used- python3, sublime text editor. For designing framework we used django.
5	Predicting election on basis of news	This project mainly aims in predicting the Elections on news basis or news article/data. Election predictions are made by collecting quantitative data about the current state of the political parties at a given place or area and predictions are made using Python.
6	Image steganography	Image Steganography is a process to encode a message(text) by embedding it into an image and also to decode the message from the image. In our project we have created a cross platform application using python programming language for the same. In our app we have provided the option to register and login for security, click on encode text and then select image you want to encode message into after that provide with the message and click on proceed. You will find that encoded image has been saved to folder you have provided with and it does not differ from original image, to decode the message from the image click on decode text navigate to encoded image and select it you



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		will find the encoded message being displayed. Click on exit to close the application.
7	Extract news articles for given topic and show timeline	The software can extract news articles from a given website by using the py libraries BeautifulSoup & Requests for scraping data. The extracted data was exhibited using Django framework and HTML-CSS were used for proper pictorial presentation on the webpage. Also, the package Newsapi is used to particularize the search query and send it to the HTML framework for displaying the timeline of the news.
8	Scrap cricket websites and show data analytics of player	Web scraping is the process of using bots to extract content and data from a website. Unlike screen scraping, which only copies pixels displayed on screen, web scraping extracts underlying HTML code and, with it, data stored in a database. In our project We have used eclipse-workspace. For this we used python language & BeautifulSoup. It will escape the cricket website (Espn cricino.com) and display cricket teams along with players name ,their debut date.
9	Online Sports Turf Playground & Badminton court Booking System for College	Online sports turf booking website is proposed for booking the turf in an easy and efficient way. It has three modules namely, Admin, Manager and User. Admin can login and can add turf locations, assign manager by creating login credentials for manager, add price details for the particular turf, manage turf and view the details of sports venues booking for all locations. Managers assigned by the Admin are different for different Turf playground locations. Managers will get login credentials from admin, he/she can login using credentials, he/she can check the rates, view the request for turf booking for the respective location, can accept booking, generate bill and can view the booking history. Users can check the availability of the turf, select timings, fill personal details, can pay by providing bank details or card details and he/she can also view previous turf booking history.

TE SEM V

PBL Topics:

Topic Name	Abstract
Pothole and Alcohol detection using iot.	Online charity is a web-based registration software that helps you to donate online. It is an ideal for home, society, industry, shop, office based.
Botanic plant watering	The main aim of the project is to provide water to the plants using



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

TE SEM VI

Methodology

1. Create a groups (3 students in each group)
2. Identify the Problems which is done by teachers.
3. Provides solution to the problems.
4. The students work in groups and assign and distribute various aspects of work so as to realize the project based on a timeline of about 2 to 3 months.



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5. Queries and doubts are clarified by interactions with the PBL coordinators and project area experts.
6. Prepare the project report.
7. Present the same to the concerned experts

Structure

Project-based learning emphasizes learning activities that are long-term, interdisciplinary and student-centered. Unlike traditional, teacher-led classroom activities, students often must organize their own work and manage their own time in a project-based class. Project-based instruction differs from traditional inquiry by its emphasis on students' collaborative or individual artifact construction to represent what is being learned.

Project-based learning also gives students the opportunity to explore problems and challenges that have real-world applications, increasing the possibility of long-term retention of skills and concepts.



TE Project based learning Demonstration



Convocation Ceremony

The Degree Certificate Distribution Ceremony for the May 2019 passed out batch was held on February 15, 2020. This function was jointly organized by PCE, PCACS and PIMSR.

The function started with an academic procession comprising of The Management, Chief Guest, Heads of Institution, Heads of Department, Coordinators, In charge of Examinations and Registrar of all participating Institutes. The Chief guest for the event was Mr. Shailendra Singh, a multifaceted personality. He is a successful entrepreneur responsible for incepting properties such as Percept, Sunburn. He has given a motivational speech to the students who are facing the real world.

Around 540 students of PCE reported for the event. Five toppers of each branch received their degree certificate on the main stage. The remaining students were given their certificates by their HOD's at different venues on department basis.

Event Pictures











Science Day Poster Presentation Competition

As part of the National Science Celebration Week (28th Feb. to 8th March, 2020), PCE organized a Science Poster Presentation competition for the First Year (FE) students. The event was held on 7th of March, 2020 from 10:30 am to 2:30 pm. The guest of honour was Mr. Jayant Mundale, Head Production, Olon API India Pvt Ltd.

The two themes for the poster competition were:

1. Scientific Achievements of the Decade
2. Use of Modern Non-conventional Energy Resources

A total of 34 entries were received. The entries were based on diverse topics ranging from Radio astronomy (GMRT) to use of thermal detectors for determining body temperature (in Corona virus fever) and surface temperature at Mars. In addition, there were poster topics based on LIGO project, carbon solar cells, and Fibre Optics. The event was graced by the presence of Principal Dr. Sandeep Joshi, FE co-ordinator Dr. Arun Pillai, along with other members of the teaching staff. PCE R&D Dean, Prof. Dr. P. S. Goyal and Dr. Deepali Srivastava graced the occasion in the role of judges. Their questions, based on a meticulous review of each poster, were satisfactorily answered by the enthusiastic students. Especially, Dr. Goyal was highly impressed by the overwhelming response of the students, inspite of the less time for preparation. All in all, the entire program was a small, yet significant research experience to the students, and reminded oneself of Prof. C. V. Raman's inspiring words: I am the master of my failures, If I never fail, how will I ever learn?



Science Day Poster Presentation Competition-7th March 2020

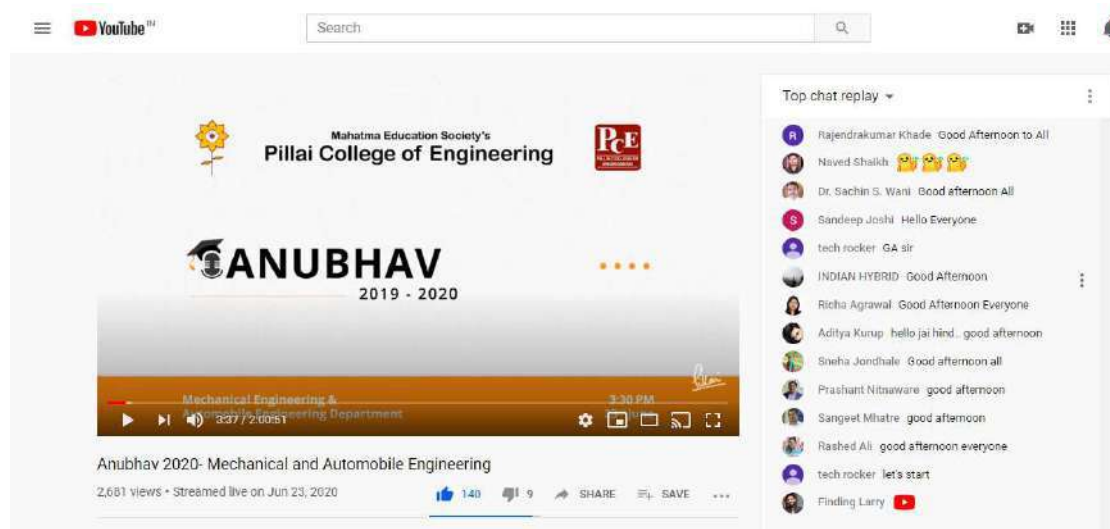


Anubhav 2020

Anubhav 2020 was organised in June 2020 on the Youtube channel of Mahatma Education Society. All the committees like Student Council, ISHRAE-PCE, CSI-PCE, ETSA, AESA-MESA, IEEE-PCE, Training and Placement Committee, PCE Alumni association were involved in organising this event. The event was conducted in the afternoon, and live streamed on youtube through google meet for all the students and college faculties. The event was conducted into 3 different webinars organised on 3 consecutive days. First session was organised for Mechanical and Automobile students. Second session was organised for computer and IT students and third session for EXTC and ETRX students. Final Year Students having impressive college record and having Achievements were selected as speakers for the session from every department.

Anubhav is an attempt to make the students more aware about some methods of maintaining good pointers, imparting the importance of various things like resume, internships, co-curricular activities, competition participation, projects and so on to make them understand the life after college. They were also told about the perks of being a part of the student bodies and how it helps an individual grow personally and professionally by their seniors. Lastly each one of them mentioned how Pillai College of Engineering played a vital role in molding each one of them into what they are today despite the various hurdles faced by them

Students who wished to take advantage of this unique opportunity turned up in considerable numbers. The event was attended by our principal, Dr. Sandeep Joshi, the HoDs of all departments and various faculty. The event was live streamed on YouTube and records showed more than 1.4k views with a constant of 200 viewers. At 05:30 PM the event concluded every day. The student bodies were appreciated for their efforts and hard work by the teachers and principal sir.





Day 1

On 23rd June selected final year students of the Mechanical and Automobile department, who achieved milestones during their 4 year journey of engineering shared their valuable experience and suggestions to students. Event was started with introduction of Anubhav by ISHRAE President Mr. Akshay Gangadharan followed by short college description by General Secretary of Student Council Mr. Nikhil Ghule. This was followed by speaker interaction and at the end Vote of thanks was given by Anchor Miss Chandani Suresh.

Program Speakers:

Sr. No.	Speaker Name	Branch
Speaker 1	Abhishek Padhir	Mechanical
Speaker 2	Shubham Naik	Mechanical
Speaker 3	Ashwin Kutty	Automobile
Speaker 4	Omkar Pawar	Mechanical
Speaker 5	Aradhye Sanket	Mechanical
Speaker 6	Jinal Gohil	Automobile
Speaker 7	Kedar Mule	Automobile

Youtube Link : <https://www.youtube.com/watch?v=mJWQYzhD5FQ>



Day 2

On 24th June selected final year students of the Computer and IT department, who achieved milestones during their 4 year journey of engineering, shared their valuable experience and suggestions to students. Event was started with introduction of Anubhav by ISHRAE President Mr. Akshay Gangadharan followed by short college description by General Secretary of Student Council Mr. Nikhil Ghule. This was followed by speaker interaction and at the end Vote of thanks was given by Anchor Miss Asmita.

Program Speakers:

Sr. No.	Speaker Name	Branch
Speaker 1	Saakshi Bhosale	Computer
Speaker 2	Vinod Gupta	Computer
Speaker 3	Nachiket Sonawane	Computer
Speaker 4	Vishak Nair	Computer
Speaker 5	Hardi Rathod	IT
Speaker 6	Mansi Nimje	IT

Youtube Link : https://www.youtube.com/watch?v=cO_rq9nbhMI



Day 3

On 25th June selected final year students of the EXTC and ETRX department, who achieved milestones during their 4 year journey of engineering shared their valuable experience and suggestions to students. Event was started with introduction of Anubhav by ISHRAE President Mr.Akshay Gangadharan followed by short college description by General Secretary of Student Council Mr.Nikhil Ghule. This was followed by speaker interaction and at the end Vote of thanks was given by Anchor Miss Anmol Sharma.

Program Speakers:

Sr. No.	Speaker Name	Branch
Speaker 1	Arpita Verma	EXTC
Speaker 2	Pranjal Gujrati	ETRX
Speaker 3	Omkar Chauhan	EXTC
Speaker 4	Ritesh Kundalkar	EXTC
Speaker 5	Aditi Garde	ETRX
Speaker 6	Varun Chakravarty	ETRX
Speaker 7	Dikshita Oswal	ETRX

Youtube Link : https://www.youtube.com/watch?v=_CJ2Q31fJNU



Institute Innovation Council

PCE has established Institution’s Innovation Council (IIC) as per the guidelines of ‘MHRD’s Innovation Cell (MIC)’ to create a vibrant local innovation ecosystem, Start-up supporting Mechanism, Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas and Develop better Cognitive Ability for Technology Students. PCE IIC is actively involved in organising and conducting seminars, workshops, field trips, project exhibitions, entrepreneurship bootcamps, Idea competitions etc.

The first council meeting of Institution’s Innovation Council (IIC), Pillai College of Engineering was called by IIC President Dr Priam Pillai on 1st July, 2019 to discuss upon the formulation and function of IIC & shared roles and responsibility among newly joined council members as per the guidelines of MHRD’s Innovation cell.

IIC Member Details

Faculty Members	Member Type	Role on Committee
Dr Sandeep Joshi	Faculty	HOI, Convener
Dr Priam Pillai	Faculty	President
Dr Avinash Vaidya	Faculty	ARIIA Coordinator, NIRF Coordinator
Dr P S Goyal	Faculty	IPR Activity Coordinator
Dr. Sharvari Govilkar	Faculty	Member
Dr. Arun Pillai	Faculty	Member
Dr Richa Agrawal	Faculty	Startup Activity Coordinator
Dr Prashant Lokhande	Faculty	Internship Activity Coordinator
Dr Onkar Sahastrabude	Faculty	Innovation Activity Coordinator
Mr Lalit Mehta	Faculty	Social Media Coordinator
Dr Celina Joy	External	Member: Incubation Center
Susanna Cherian	External	Member; Incubation Center
Akshay Gangadharan	Student	Innovation Coordinator
Aditi Jaiswal	Student	Startup Coordinator
B. A. Preetam	Student	Internship Coordinator
Vaishya Vivek Kumar	Student	IPR Coordinator
Harshita Pujari	Student	Member
Vijay Sharma	Student	Social Media Coordinator
Franav Pillai	External	Entrepreneur

The council members met and discussed the objective of IIC, type of activities (IIC calendar and Self-Driven), features of IIC portal for monthly report submission mechanism. The council members also discussed collaborations with organisations to accelerate the activities of IIC. The



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council also deliberated on a quarterly action plan in synchronisation with activities and initiatives of other departments, centres and facilities in the Institute working towards promoting IPR, Innovation and Start up. The council unanimously decided to carry out all the IIC activities on a regular basis throughout the year and meet regularly in the beginning of every quarter to review the progress made in the previous quarter and also to plan for the upcoming quarter. The activities carried out in each quarter are tabulated below.

Quarter I

Activity	Date	Link
NEAT Logo Contest	25 th October, 2019	
Innovation Day Campaign – Maker’s Day	28 th September, 2019	Social Media Link
Industrial Visit to JNPT, Uran - Field/Exposure Visit to Village/Society /School/Industry/Market – Identity real Life Problem	26 th September, 2019	Social Media Link
Career Opportunities for Engineers in Defense Services	20 th September	Social Media Link
Engineer’s day - My Story - Innovator’s Life & Crossroad Motivational Speak - To be Share by Innovators	16 th September, 2019	Social Media Link
Visit to Advantek Air Systems Pvt. Ltd.	14 th September, 2019	Social Media Link
Idea Generation Workshop	28 th August, 2019	Social Media Link
Entrepreneurship Summit Organized with IWFCI - My Story - Entrepreneur’s Life & Crossroad – Motivational Speak - To be Share by Entrepreneurs	21 st August, 2019	Social Media Link
Formulate Council, Upload of 1st Quarter Action Plan with Minutes of Meeting of Council	6 th August, 2019	



Idea Generation Workshop



Dr. Priam Pillai conducted an “Idea Generation Workshop” on 28th August 2019 at Conclave for members of the Entrepreneurs Club. About 150 students attended this workshop. Dr. Pillai emphasised on the concept of entrepreneurs being problem solvers and urged the students to collaborate and work in teams with students from different streams to be able to find solutions to problems. It was an interactive session and appreciated by the students.

Career Opportunities for Engineers in Defense Services



A talk on “Career Opportunities for Engineers in Defence Services” was organized by PCE on 20th Sept 2019. The speaker for this event was Mr. Ramanuj Singh, who has been selected in Indian Army through SSb exam.



Quarter II

Activity	Date	Link
UoM Minor Research Project Exhibition	16 th December 2019	Social Media Link
Workshop on Industrial Internet of Things	9 th - 14 th December	Social Media Link
Makerthon	13 th November, 2019	Social Media Link
Workshop on Lean Canvas Model, RedBull University Challenge Launch - Organise a Product Design/ Design Thinking Workshop at Campus	18 th October, 2019	Social Media Link
Industrial Visit to ARAI - Field/Exposure Visit to Design Centre/Makers' Space/FabLab/Prototype Lab/Tinkering Lab etc	12 th October, 2019	Social Media Link
INSPIRIA - Product Development Phases - Storytelling (Innovators in Campus)	12 th October, 2019	Social Media Link
Visit To Safe A&T Technology Pvt.Ltd	12 th October 2019	Social Media Link
Industrial Visit to Doordarshan	10 th October, 2019	Social Media Link
Plastic Awareness Drive	5 th October, 2019	Social Media Link
Organised the council meeting and Uploaded the 2 nd Quarter action plan along with a meeting of minutes.	1st October, 2019	

UoM Minor Research Project Exhibition

17 faculty members of PCE have successfully completed Minor Research Projects sanctioned by University of Mumbai under Minor Research Grant 2018-19. These 17 members have presented their projects in the form of posters at Convocation Hall, University of Mumbai, Fort Campus on



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16th December 2019 along with more than 200 participants. #PCE is the second largest engineering institute referring to the number of faculty members who received the minor research grant in AY 2018-19.



Faculty at Convocation Hall, University of Mumbai, Fort Campus

Makerthon

MAKERTHON 2019 was organized by Pillai College of Engineering in association with MHRD Innovation Cell, Indian Society for Remote Sensing and Homi Bhabha Centre for Science Education. The event witnessed over 100 schools and colleges participating. In accordance with MAKERTHON's theme of '*Clean Environment, Green Energy*' the participating teams were given the topics of '*Water Purification*' and '*Electricity Generation*'. In the valedictory function, Dr.S. Basu (Dean, Homi Bhabha National Institute) spoke about the aptness of the chosen topics with the current *energy* and *environment* situation and emphasized on the tradeoffs between the two.





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PRIZE

Prizes Worth
Rs. 1 Lakh
to be Won

For School & Junior College Category

CONTACT

Prof. Anup M. Vanage	8898318819
Prof. Ameet M. Mehta	9702962791

REGISTRATION

Kindly fill in the registration form and submit a copy of School/College Identity card.

ADDRESS

Mahatma Education Society's
Pillai College of Engineering (PCE)
Dr. K.M. Vasudevan Pillai Campus, Plot No 10, Sector 16, New Panvel – 410206.

PHONE: - 022-27456030/1700/6100

Mahatma Education Society's
PILLAI COLLEGE OF ENGINEERING

LEARN
THINK
CREATE

MAKERTHON

For School & Junior College Students

Gates open on
13 NOV 2019

"An Event for budding innovators to create and exhibit their innovations".

In Association With

About Pillai College of Engineering

Computer Engineering	Information Technology
Electronics Engineering	Electronics and Telecommunication Engineering
Mechanical Engineering	Automobile Engineering

- Approved by AICTE
- Affiliated to University of Mumbai
- Reaccredited by NBA
- World Class Infrastructure
- Ranked 2nd by top MNC's
- Best Placement Opportunities
- MOU's with top MNC's
- University Toppers
- Best college festival
- Hands on sessions and Project Based Learning
- Industry Interactions
- Foreign Affiliations
- World class technical and cultural events
- Engineering football and cricket league

Our Mission
To develop professional engineers with respect for the environment and make them responsible citizens in technological development both from an Indian and global perspective. This objective is fulfilled through quality education, practical training and interaction with industries and social organizations.

About Makerthon

Makerthon is an event that gives a platform for budding innovators to create and exhibit their Innovations. The organizers would explain the problem and seek solution from the students participating in the competition. The students have to design and develop the viable operating model and exhibit their model to scale the solutions and present their elevator pitches in front of panel of esteemed invigilators. The invigilators would judge the best operating model and the participants would be rewarded at the end of competition. Makerthon would make the students Learn, Think and Create the possible solutions to the problems devised by the organizers.

General rules for the Makerthon

- Entry fees per team is Rs.50/-.
- Last date of registration is 5th November 2019.
- The team members should be from same school/college.
- Maximum 4 members and a Teacher in a Team.
- The team should solve the given problem and develop a working model in stipulated time.
- Mentors will be provided to teams to help them throughout their journey.
- The innovation presented will be the property of the team and the Institution will have no ownership towards it.
- Participants should agree with terms and conditions set by organizers

Schedule of the Event

Sr. No	Event	Time	Venue
01	Registration	9:00 AM to 9:30 AM	Reception
02	Inaugural Function and orientation	9:30 AM to 10:30 AM	7 th Floor Auditorium
03	Braimstorming Session for all teams	10:30 AM to 11:30 PM	Multiple Venues
04	Makerthon Competition	11:30 PM to 3:30 PM	Multiple Venues
05	Judging Round	3:30 PM to 4:00 PM	Multiple Venues
06	Valedictory Function	4:00 PM to 5:00 PM	7 th Floor Auditorium

Packaged food will be provided to all participants. They can have it during competition as per their convenience. Tea/Coffee will be made available at the competition venue.



Quarter III

Activity	Date	Link
Leadership talk with Ms. Shradha Sharma, Founder, and Chief Editor, YourStory.com	14 th April, 2020	Link to Talk
Leadership talk with Dr. Anand Deshpande, Founder, Chairman & Managing Director, Persistent Systems Ltd	15 th April, 2020	Link to Talk
Leadership talk with Dr. VK Saraswat, Member NITI Aayog.	13 th April, 2020	Link to Talk
Leadership talk with Mr. Abhishek Singh, CEO, My Gov.	11 th April, 2020	Link to Talk
Leadership talk with Prof. Partha Chakraborty, Chairman National Digital Library, Ex-Director, IIT Kharagpur	10 th April, 2020	Link to Talk
Leadership talk with Prof. Anil D. Sahasrabudhe, Chairman, AICTE	9 nd April, 2020	Link to Talk
Leadership talk with Prof. K Vijay Raghavan, Principal Scientific Adviser, Government of India	8 th April, 2020	Link to Talk
Leadership Talk with Mr. Abhishek Suryawanshi, Director, Wikipedia Swastha	7 th April, 2020	Link to Talk
One Day Awareness/Mentoring Session on the campus or Online session by Dr Sanjeeva Kumar Majumdar Manager-IPR, StartUp & Incubation, Dr. N. K. Mohanty and Mr. Suneet Sabale	17 th Feb 2020	Social Media Link
Online Session 3: "Hangout with Emerging Innovator & Entrepreneurs Supported through MIC & AICTE" Speaker: 1. Ms. Vandana Thakur Female Innovator cum Entrepreneur, Canada India Acceleration Program 2020, L M College of Pharmacy, Ahmedabad, 2. Mr. Amit Sanjay Lokhonde Innovator Cum Entrepreneur, India-South Korea Startup Exchange Program 2020	30 th April, 2020	YouTube Session Link



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Institute of Chemical Technology, Mumbai		
Online Session 10: Legal and Ethical Steps – Productive Entrepreneurship and StartUp Speaker: Mr. Harit Mohan Founder & CEO Signicent LLP (India) & Signicent LLC (USA)	12 th May, 2020	YouTube Session Link
Online Session 14: Idea, business model and business plan Speaker: Dr. Satya Ranjan Acharya Associate Professor , EDII, Ahmedabad, Gujarat . Amit Dwivedi Associate Professor, EDII, Ahmedabad, Gujarat.	19 th May, 2020	YouTube Session Link
Field trip to design studio/maker space - CIBA	24 th Jan 2020	Social Media Link
Organised the council meeting and Uploaded the 3rd Quarter action plan along with a meeting of minutes.	7 th January, 2020	
Workshop on Android Application Development Fundamentals	8 th March, 2020	Social Media Link
Workshop and Career Guidance on Electric Vehicle	4 th March, 2020.	Social Media Link
IOT workshop	10 th August, 2020	Social Media Link
Training/Workshop on Embedded System Design and Internet of Things at L & T Corporate-Technology and Engineering Academy, Madh Campus.	6 th – 7 th February, 2020	Social Media Link
Science Day	7 th March 2020	Social Media Link



Leadership talk with Prof. K Vijay Raghavan



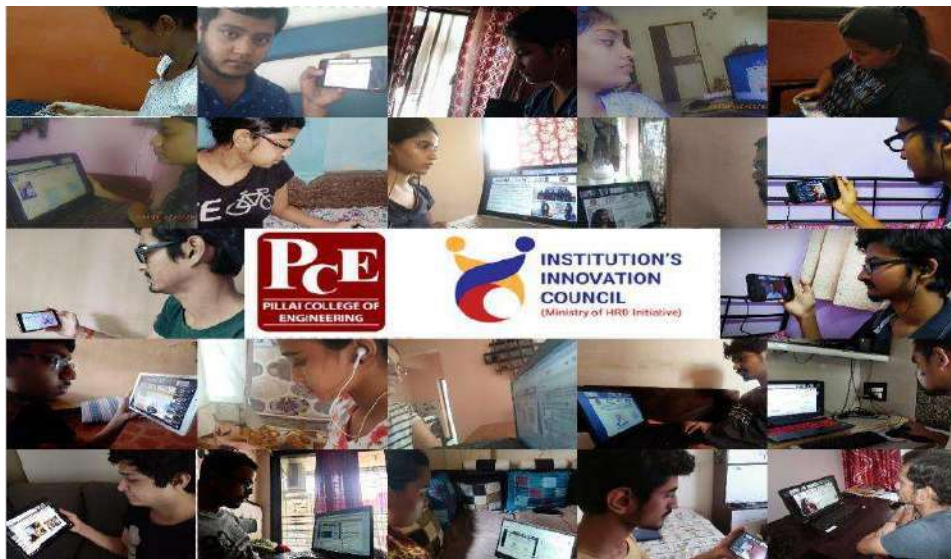
Leadership talk with Prof. Partha Chakraborty



Leadership talk with Dr. Anand Deshpande



Leadership talk with Mr. Abhishek Singh



Online Session: Ms. Vandana Thakur & Mr. Amit Sanjay Likhende



Quarter IV

Activity	Date	Link
Leadership Talk with Shri Dipendra Manocha who talked about Startup opportunities in accessibility space	27 th June, 2020	Youtube Link to Talk
Leadership Talk with Shri Shridhar Venkat CEO, Akshaya Patra foundation who talked about opportunities for youngsters not only at Akshaya Patra but also in social entrepreneurship. AP is the world's biggest midday meal scheme.	20 th June, 2020	Youtube Link to Talk
Organised the council meeting and Uploaded the 4 th Quarter action plan along with a meeting of minutes.	15 th June, 2020	
Leadership Talk with Shri R Subrahmanyam, Secretary, Ministry of Social Justice and Empowerment who talked about various opportunities students/faculty have in Social Entrepreneurship	13 th June, 2020	Youtube Link to Talk
Leadership Talk with Shri Mahesh Babu, CEO, Mahindra Electric Mobility Ltd. Shri Mahesh Ji who discussed opportunities in the auto-sector in the post-COVID-19 world	23 rd May 2020	Link to Talk
Online Session 17: Interaction with Student Innovators and Entrepreneurs from Smart India Hackathon (SIH) , Speaker: Pulkit Jain, Team - Vidyut Lokesh Goswami, Team - SLICK Arpit Nandi, Team Quarks & Leptons	22 nd May, 2020	YouTube Session Link
Online session 16 : Frugal Innovations and Social Entrepreneurship Speaker: Dr. Raman Gujral Professor EDII, Ahmedabad, Gujarat	21 st May, 2020	YouTube Session Link
Online Session 15: Use of Market Data and Application of Marketing Research Tools and Methodology – Advance Level Speaker: Dr. Preet Deep Singh AVP, Invest India	20 th May, 2020	YouTube Session Link
Leadership Talk with Dr. Pramod Chaudhari, Founder & Chairman, Praj Industries	16 th May, 2020	Link to the Talk
Online Session 13:	15 th May,	YouTube



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Innovation Risk Diagnostic — Product Innovation Rubric (PIR) Speaker: Dr. Lakshmi Meera Program Director, Forge incubator	2020	Session Link
Online Session 12: Understanding Role and Application of Marketing Research at Idea to StartUp Stage - Foundation Level Speaker: Dr. Preet Deep Singh AVP, Invest India	14 th May, 2020	YouTube Session Link
Online Session 11: Innovating Self- Screen and Identify right opportunities Speaker: Prof. Sanjay Inamdar Entrepreneur and Founder of Flucon MIT, Harvard, and Carnegie Mellon alumni Chairman, AICTE StartUp Policy Implementation Committee	13 th May, 2020	YouTube Session Link
Leadership Talk with Prof. D. P. Singh, Chairman	9 th May	Link to the Talk
Online Session 9 Understanding Angel and Venture Capital Funding Speaker: Mr. Sushanto Mitra CEO, Lead Angels Pvt. Ltd	8 th May, 2020	YouTube Session Link
Online Session 8 Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups Speaker: Dr. Sanjeeva Kumar Majumdar Manager, IPR, StartUp & Incubation National Research Development Corporation (NRDC)	7 th May, 2020	YouTube Session Link
Online Session 7: How to Identify Right Problem and Solution using the Double Diamond Approach in Design Speaker: 1. Prajakta Kulkarni Founder, Director, Nodes Pvt. Ltd. 2. Sanket Inamdar Co-founder, CEO, Nodes Pvt. Ltd	6 th May, 2020	YouTube Session Link
Online Session 6: Entrepreneurial Motivation -Empathy and Business Idea - Business Model Canvas Speaker: Dr. Sunil Shukla Director General , EDII, Ahmedabad Dr. Amit Dwivedi Associate Senior Faculty, EDII, Ahmedabad Mr. Mayank Patel CEO, Cradle, Incubator, EDII, Ahmedabad	5 th May, 2020	YouTube Session Link



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Online Session 5: Hangout with Successful Startup Founder and Learn Design thinking Approach for Hardware Innovation Speaker: Dr. Pankaj Pararsar, CEO/Founder Cuttingedge Technology Pvt. Ltd, Indore	4 th May, 2020	YouTube Session Link
Leadership Talk with Dr. Madhuri Kanitkar, Lieutenant General who is the only 3rd women to become 3 Star-General in India Arm Forces	2 nd May 2020	Link to the Talk
Online Session 4: "Role of Network Enablers in driving I&E in HEIs - A Case of TiE, India" Speaker: Ms. Geetika Dayal Executive Director , TiE Delhi- NCR	1 st May, 2020	Youtube Link
Online Session2: "Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs - Harnessing Innovation and Entrepreneurial Potential of Students and Faculties at Early Stage" Speaker: Mr. Muthu Singaram, CEO, IIT Madras HTIC Incubator, MTI, Chennai / VibaZone,	29 th April, 2020	YouTube Session Link
Leadership Talk with Dr.BVR Mohan Reddy, Chairman Cyient & Ex-Chairman NASSCOM about silver lining for industry in #Covid crisis.	27 th April, 2020	Link to the Talk
Leadership Talk Mr. Gautam Bambawale, Ex-India's Ambassador to China on how this Covid crisis offers a unique opportunity for India vis-à-vis China.	23 rd April, 2020	Link to the Talk
Leadership Talk with Padma Shri, Vaidya Rajesh Kotecha, Secretary Ministry of Ayush, Govt of India	22 nd April, 2020	Link to the Talk
Online Session1: National Innovation and Startup Policy for Students and Faculty 2019- A Guiding Framework for HEIs for Implementation Speaker: Shri Dipan Sahu, Asst. Innovation Director, National Coordinator - NISP, IIC & ARIIA, MBA/PGDM in IEVD Program, MHRD's Innovation Cell, AICTE	28 th April, 2020	YouTube Session Link



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Leadership talk with Dr.Gurung Desh Deshpande, Indian-American Venture Capitalist & Entrepreneur	21 st April, 2020	Link to the Talk
Leadership talk with Mr. Yashraj Bhardwaj, Co-Founder, Zenith Vipers & Partner Ensure Equity	20 th April, 2020	Link to the Talk
Leadership Talk with Prof. K.K Aggarwal, National Board of Accreditation(NBA), Govt. of India	18 th April, 2020	Link to the Talk
Leadership talk with Mr. Ronnie Screwvala	17 th April, 2020	Link to the Talk
Leadership talk with Dr. Vinay Sahasrabhdhe, President, ICCR	16 th April, 2020	Link to the Talk
MES Golden Lecture by Dr. Siruguri, Director, UGC DAE Mumbai	23 rd May 2020	Youtube Link
Faculty development program on Scilab	11 th -15 th May 2020	Social Media link
Mahatma Education Society's Golden Lecture on "Opportunities in Post Covid-19 India" by Dr. Abhay Jere	21 st May 2020	Social Media link
Antenna Design through Simulation Using TaraNG 19.1	18 th May, 2020	Social Media link



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Leadership Talk with Shri Shridhar Venkat CEO, Akshaya Patra foundation



Online Session: Pulkit Jain, Lokesh Goswami, Arpit Nandi



Placement

List of Students Placed for 2019 Batch

Sr. No	Name	Branch	Company
1	Saiganesh Shetkar	AUTO	Dyson Ltd
2	Suraj Tawde	AUTO	Eleation Academy
3	Mayur Wagh	AUTO	HFFC
4	Choudhary Lakhan	AUTO	Pinclick
5	Viraj Shetty	AUTO	Ashok Leyland
6	Gayatri Praveen Udyawar	AUTO	Future Bridge
7	Yogeshwar Dandekar	AUTO	Sono Seate Medical India Corporation
8	Aishwarya Thorve	COMPS	LTI
9	Nikita Yadav	COMPS	LTI
10	Shreya Jayachandran	COMPS	LTI
11	Shrey Jakhmola	COMPS	LTI
12	Aradhana Potteth	COMPS	LTI
13	Jidnasa Pillai	COMPS	LTI
14	Nikhil Nair	COMPS	LTI
15	Akshata Nevrekar	COMPS	LTI
16	Shravan Nambiar	COMPS	LTI
17	Ayushkumar Pillai	COMPS	LTI
18	Prathmesh Chavan	COMPS	LTI
19	Shrayesh Kanade	COMPS	Majesco
20	Jiten Patil	COMPS	Majesco
21	Phagurah Manmeet Hardev	COMPS	Majesco
22	Nidhi Chipkar	COMPS	Majesco
23	Emmatty Sherin Thomas	COMPS	Majesco
24	Bhabya Mishra	COMPS	Majesco
25	Giri Brijesh Veer Bahadur	COMPS	GEP
26	Soni Shivam Rakesh	COMPS	GEP
27	Swati Nair	COMPS	GEP
28	Adak Mandira Manindra	COMPS	GEP
29	Sruthi Sureshababu	COMPS	GEP
30	Rushikesh Chavan	COMPS	GEP
31	Anand Deshmukh	COMPS	Ugam Solutions
32	Bhargavi Acharya	COMPS	Ugam Solutions



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33	Uzama Naik	COMPS	Ugam Solutions
34	Rammohan Palliyil	COMPS	Ugam Solutions
35	Shweta Purushothaman	COMPS	Ugam Solutions
36	Apurva Tamhankar	COMPS	TCS
37	Anuj P Eapen	COMPS	TCS
38	Mayuri Chilekar	COMPS	TCS
39	Fenny Zalavadia	COMPS	TCS
40	Priyanka Pachpande	COMPS	TCS
41	Jeet Navadhare	COMPS	TCS
42	Himanshu Kaloni	COMPS	TCS
43	Neeraj Koli	COMPS	TCS
44	Shubham Pathak	COMPS	TCS
45	Saurabh Mete	COMPS	TCS
46	Rohit Pillai	COMPS	Sogo Survey (ZARCA)
47	Megha Menon	COMPS	Endurance International
48	Arvind Nair	COMPS	Endurance International
49	Jigyasa Singh	COMPS	Imarticus LEarning Pvt Ltd
50	Karan Shah	COMPS	Reliance Retail
51	Tanmayee Patange	COMPS	Reliance Retail
52	Shubhangi Pandey	COMPS	Reliance Retail
53	Anirudh Pradeep Nair	COMPS	Byjus (Think & Learn Pvt Ltd)
54	Karishma Netake	COMPS	Cognizant
55	Susmitha Nadar	COMPS	Cognizant
56	Nikhil Harkangi	COMPS	Reliance Jio Infocomm Ltd
57	Pranay Sharma	COMPS	Reliance Jio Infocomm Ltd
58	Rohini Stanly	COMPS	Reliance Jio Infocomm Ltd
59	Padmesh Gadge	COMPS	Reliance Jio Infocomm Ltd
60	Abhishek Bhogal	COMPS	Reliance Jio Infocomm Ltd
61	Sayoojya Dinesan	COMPS	Headstrait Software
62	Pratistha Mishra	COMPS	Sutherland Global
63	Vaishnavee Deshmukh	COMPS	Sutherland Global
64	Rahul Pushpala	COMPS	Sutherland Global
65	Sahil Raorane	COMPS	Sutherland Global
66	Aditi Gurav	COMPS	Sutherland Global
67	Methu Damodaran	COMPS	HFFC
68	Jobin George	COMPS	HFFC
69	Akash Roy	COMPS	IFI Techsolutions
70	Inderjeet Singh Bhatti	COMPS	Wipro



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71	Sanika Tamhankar	COMPS	Inspeero Technologies
72	Raj Bhanvadia	COMPS	Reliance Jio Infocomm Ltd
73	Justin James	COMPS	Reliance Jio Infocomm Ltd
74	Ashutosh Mohanty	COMPS	Reliance Jio Infocomm Ltd
75	Kajal Lonkar	COMPS	Idbi Intech Ltd
76	Rahul Gupta	COMPS	Ugam Solutions
77	Sourav Das Nair	COMPS	Ugam Solutions
78	Anjana Nair	COMPS	Ugam Solutions
79	Rahul Nair	COMPS	Hockeycurve Growth Solutions Pvt Ltd
80	Vaishnavi Deshmukh	COMPS	Aegis School Of Business
81	Pranjali Naik	COMPS	Godrej Infotech Ltd
82	Najih Banu Mohd Shafique	COMPS	Qrc Consulting Pvt Ltd
83	Prathamesh Patade	COMPS	Bitwise Solutions Pvt Ltd
84	Rohan Mudliar	COMPS	Mitr Learning & Media Pvt Ltd
85	Harshal Gaonkar	COMPS	Technova Imaging Systems (P) Limited
86	Rutuja Mapari	COMPS	Capgemini
87	Sheetal Budbadkar	COMPS	Capgemini
88	Soniminde Saloni	COMPS	Harman Connected Services Corporation India Pvt Ltd
89	Rohith Nair	COMPS	LTI
90	Akshata Deshpande	COMPS	TCS
91	Rai Sharan Guruprasad	COMPS	TCS
92	Omkar Hande	COMPS	Sankey Solutions
93	Yadnyashree Somaraj	COMPS	Extramarks Education India Private Limited
94	Mayur Walshinge	COMPS	Ahy Consulting
95	Dishant Raikwar	COMPS	Accenture
96	Srikavya Vinjamuri	COMPS	Microline
97	Rohit Rishikesh Nair	COMPS	TCS
98	Saneeth M Shaji	COMPS	Tech Mahindra
99	Vaibhavi Dalvi	COMPS	ZEE 5
100	Mehmood Umar Deshmukh	COMPS	Reliance Jio
101	Ameya Deepak Salvi	COMPS	Tech Augment
102	Dikshita Juikar	COMPS	Sciative Solutions Pvt Ltd
103	Charanjeet Kaur	COMPS	Brigdelabs
104	Sanket Maruti Mahamulkar	ETRX	Wipro
105	Amar Khamkar	ETRX	Aurionpro Solutions Limited
106	Rohit Ranjan Nair	ETRX	Bhoomi Analyzers
107	Gauri Vijay Kale	ETRX	Wipro



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108	Rohit Nair	ETRX	Smec Automation Pvt. Ltd.
109	Vignesh Nadar	ETRX	Smec Automation Pvt. Ltd.
110	Rohan Swami	ETRX	Smec Automation Pvt. Ltd.
111	Afsar Khan	ETRX	Smec Automation Pvt. Ltd.
112	Arthaya Koyande	ETRX	Agiliad
113	Sheetal Kadam	ETRX	LTI
114	Umesh Lohote	ETRX	GEP
115	Anuj Chhabra	ETRX	Qspiders
116	Shreyas Moolya	ETRX	Nexa
117	Jaiti Malhotra	ETRX	Lotus Wireless Technologies India Pvt Ltd
118	Jayesh Kakkad	ETRX	Byjus (Think & Learn Pvt Ltd)
119	Shreya Honagekar	ETRX	TCS
120	Kartik Purushottam	ETRX	Advance Structure India
121	Divya Shetty	EXTC	LTI
122	Sindhoora Shetty	EXTC	LTI
123	Vipulkumar Singh	EXTC	TCS
124	Adbul Qadir S	EXTC	TCS
125	Shubham Khairnar	EXTC	Imarticus LEarning Pvt Ltd
126	Siddhi Sankhe	EXTC	Reliance Retail
127	Sumit Kharche	EXTC	Reliance Retail
128	Pradnya Shinde	EXTC	Reliance Retail
129	Ankit Upadhyay	EXTC	Reliance Retail
130	Keerti Dubey	EXTC	Reliance Retail
131	Anushree Dash	EXTC	Qspiders
132	Sriya M.S	EXTC	Qspiders
133	Tejas Kadam	EXTC	Nexa
134	Sabyasachi Nath	EXTC	Reliance Jio Infocomm Ltd
135	Shruti Pingale	EXTC	Sutherland Global
136	Aakash Bhosale	EXTC	Sutherland Global
137	Ashish Gupta	EXTC	Sutherland Global
138	Joel Ruskin	EXTC	Sutherland Global
139	Gaurav Patil	EXTC	Aditya Birla Science And Technology Company Pvt. Ltd
140	Aishvarya Nair	EXTC	Hexaware Technologies
141	Himanshu Sen	EXTC	LTI
142	Singh Akash	EXTC	Pinclick
143	Palak Shivalkar	EXTC	Ust Global
144	Bhakti Patel	EXTC	Capegemini



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145	Alekh Satheesh Kumar	EXTC	Commedia Solutions Pvt Ltd
146	Shreya Nair	EXTC	Commedia Solutions Pvt Ltd
147	Shweta Bhole	EXTC	Commedia Solutions Pvt Ltd
148	Vaibhav Godase	EXTC	Commedia Solutions Pvt Ltd
149	Ankita Parande	EXTC	Aegis School of Business / Ibm
150	Manjunath Hulkoti	EXTC	Aegis School of Business / Ibm
151	Sukanya De	EXTC	Global Cloud Exchange
152	Priya Verma	EXTC	Aurionpro Solutions Limited
153	Mayur Lokare	EXTC	Marquis Technologies Pvt Ltd
154	Mahesh Somnath Jadhav	EXTC	Quess Corp Limited
155	Akshay Shirodkar	EXTC	Pinclick
156	Sneha Suresh	EXTC	TCS
157	Prachi Patil	EXTC	TCS
158	Khan Ziyaur-Rehman Moiz	EXTC	TCS
159	Saurabh Madhavi	EXTC	Global Cloud Exchange
160	Pratik Parikh	EXTC	Nireekshan Engineers & Surveyors
161	Awajj Shakil Salati	EXTC	TSS Consulting Pvt Ltd
162	Akash Bhatuse	EXTC	Sumasoft
163	Mandar Borkar	EXTC	Mt Educare Ltd
164	Daki Darshan Mahendra	EXTC	Capgemini
165	Kakde Dattatry Dilip	EXTC	Tata Communications
166	Bobade Pankaj Kalidas	EXTC	Rad Communications
167	Mayur Jagtap	EXTC	Reliance Jio
168	Gade Aarti Vithal	EXTC	Team Computers
169	Gangan Siddhi Sunil	EXTC	Marquis Technologies Pvt Ltd
170	Sukanya Swapan Kumar De	EXTC	Quess Corp Ltd.
171	Sriya M.S	EXTC	Quess Corp Ltd.
172	Vaibhav Vasant Godase	EXTC	Quess Corp Ltd.
173	Vikas Rakesh Kasera	EXTC	Quess Corp Ltd.
174	Verma Priya Vinod	EXTC	Quess Corp Ltd.
175	Aditi Sharma	IT	LTI
176	Kritika Shah	IT	LTI
177	Raghav Mishra	IT	LTI
178	Rohan Londhe	IT	LTI
179	Mrudul Bornare	IT	LTI
180	Divyesh Singh	IT	LTI
181	Vedant Patil	IT	Majesco
182	Jayesh Thakur	IT	Majesco



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183	Manali Thombare	IT	Majesco
184	Shivam Upadhyay	IT	Majesco
185	Priyanka Borse	IT	GEP
186	Singh Simmi Arvind	IT	GEP
187	Ayush Shetty	IT	Ugam Solutions
188	Komal Bisht	IT	TCS
189	Amruta Salvi	IT	TCS
190	Prashant Niladhe	IT	TCS
191	Mohit Rai	IT	TCS
192	Alwin Alex	IT	TCS
193	Sofia Rao	IT	Harman International
194	Apurva Dalvi	IT	TJSB Sahakari Bank Ltd.
195	Fatima Khan	IT	Reliance Retail
196	Animesh Oze	IT	Reliance Retail
197	Gourav Prajapati	IT	Reliance Retail
198	Deepansh Chaturvedi	IT	ZI Systech
199	Saylee Pawar	IT	ATOS Syntel
200	Kaustubh Vaidya	IT	ATOS Syntel
201	Ansari Md. Ehtesham Maqsood Alam	IT	ATOS Syntel
202	Pravin Tambe	IT	Qspiders
203	Vaishnavi Bansod	IT	TJSB Sahakari Bank Ltd.
204	Sumesh Shetty	IT	Cognizant
205	Akanksha Pandey	IT	LTI
206	Suraj Krishan Yadav	IT	Raja Software Labs
207	Apurva Patil	IT	Reliance Jio Infocomm Ltd
208	Riya Sawant	IT	Reliance Jio Infocomm Ltd
209	Manthan Parvadia	IT	Reliance Jio Infocomm Ltd
210	Vrutant Mehta	IT	Reliance Jio Infocomm Ltd
211	Birjees Patel	IT	Reliance Jio Infocomm Ltd
212	Nikhil Elayath	IT	Headstrait Software
213	Shashank Ravindran	IT	Sutherland Global
214	Sakshi Naik	IT	Sutherland Global
215	Darshana Nair	IT	Sutherland Global
216	Vishal Shrivastava	IT	Sutherland Global
217	Ashwin Nair	IT	Sutherland Global
218	Rohan Karkera	IT	Sutherland Global
219	Athira Rajesh	IT	HFCC



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220	Voval Jain	IT	IFI Techsolutions
221	Sarvesh Pandey	IT	IFI Techsolutions
222	Siddhi Morajkar	IT	IFI Techsolutions
223	Singh Devbrat	IT	Capgemini
224	Attarwala Tasneem	IT	LTI
225	Shinde Shubham	IT	LTI
226	Viddhi Rajput	IT	Sogo Survey (Zarca)
227	Shruti Pawar	IT	Tss Consultancy Pvt Ltd
228	Sanket Thorat	IT	IDBI Intech Ltd
229	Shifa Khan	IT	IDBI Intech Ltd
230	Anaga Suresh	IT	Team Computers
231	Atul Patil	IT	Wipro Ltd
232	Gaurav Mukadam	IT	Reliance Jio Infocomm Ltd
233	Sumond Menon	IT	Reliance Jio Infocomm Ltd
234	Pooja Gire	IT	TJSB Sahakari Bank Ltd.
235	Priya Rajput	IT	Hockeycurve Growth Solutions Pvt Ltd
236	Rushabh Mitappelli	IT	Reliance Industries Ltd
237	Neha Gawand	IT	Tech Mahindra
238	Gokul Sreehari Pisharody	IT	Trimax Infrastructure & Services Ltd
239	Kajal Hajare	IT	Reliance Digital Platform & Project Services Limited
240	Anuja Jadhav	IT	Bridgelabz
241	Aayushi Chandrakar	IT	Teoco Software Pvt Ltd
242	Shailesh Gupta	IT	TCS
243	Ankita More	IT	Atomberg Technologies Pvt Ltd
244	Kapil Yadav	IT	Accenture
245	Manivel Gopal Chettyar	IT	Reliance Jio
246	Priyanka Nambiar	IT	Quality Kiosk
247	Ashutosh Shinde	IT	Leadge Business Services
248	Udhay J	IT	Vara Infotech Private Limited
249	Rahil Birari	MECH	Tata- AIG
250	Mukil Nair	MECH	Tata- AIG
251	Tushar Jogdand	MECH	Tata- AIG
252	Divyani Shetty	MECH	Tata Consulting Engineers
253	Saumya Khedkar	MECH	Nimbus Logistics
254	Shravan Raikar	MECH	HFFC
255	Abhijit Tupe	MECH	Reliance Retail Ltd
256	Ajay Vasudevan	MECH	Reliance Retail Ltd



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257	Rushikesh Shirke	MECH	Reliance Retail Ltd
258	Abhishek Shingote	MECH	Sanmar
259	Anand Rane	MECH	Sanmar
260	Pranav Nair	MECH	Aditya Birla Science and Technology Company Pvt. Ltd
261	Harshvardhan Patil	MECH	Aditya Birla Science And Technology Company Pvt. Ltd
262	Pranita Kalbhor	MECH	Tata Consulting Engineers
263	Gauri Patil	MECH	GEP
264	Pallavi Aher	MECH	Ishwar Trading
265	Komal Pawar	MECH	Unicon Resources & Solutions
266	Ankit Gupta	MECH	Savair Energy Ltd
267	Atharva Joshi	MECH	3dexter Education Pvt Ltd
268	Rajeshkannan Pandi Pillai	MECH	Savair Energy Limited
269	Yash Kulkarni	MECH	Chembond Material Technologies Pvt Ltd
270	Allen Thomas	MECH	Bounce
271	Gireesh Pillai	MECH	Concord Hydraulics Pvt Ltd
272	Santosh Konduskar	MECH	Machine & Control
273	Ketan Saptasagare	MECH	ARKK Consulting
274	Nitish Krishnan K P	MECH	ARKK Consulting
275	Praful Jadhav	MECH	DP World
276	Pritish Sawant	MECH	Intellectual Platform
277	Akhil Neelayath	MECH	Excel Industries
278	Sandesh Kadam	MECH	Tata Consulting Engineers
279	Sankalpa Hirlekar	MECH	Euroclima
280	Karthik Pillai	MECH	Shalimar Valves Pvt Ltd
281	Shubham Lokhande	MECH	New Era



Career guidance and training programs

SN	Name of Activity	Start Date	Speakers
1	Job Fair in association with CII	22 nd June 2019	-
2	Campus Credential webinar	15 th June 2020	Mr. Vinay Raikar
3	Campus to Corporate	24 th May 2020	Mr. Anish Pillai
4	CV writing Workshop (Online mode)	23 rd March 2020	Dr. Prashant Lokhande
5	Placement awareness Talk 1 (Online mode)	20 th March 2020	Dr. Prashant Lokhande
6	Campus placement types Talk 2 (Online mode)	20 th March 2020	Dr. Prashant Lokhande
7	Placement awareness Talk 3 (Online mode)	20 th March 2020	Dr. Prashant Lokhande
8	Expert talk by Indian navy	13 th March 2020	Lieut. Prashant Rathore
9	How to register a company	12 th March 2020	Susanna Cherian
10	MahaTPO Entrepreneurship Summit (Entire Maharashtra)	9 th & 10 th March 2019	-
11	Seminar on Ethical Hacking	18 th Feb 2020	
12	Alumni Job Fair	1 st Feb 2020	
13	TCS Expert Talk on SAP	16 th January 2020	SAP team
14	GATE Expert Talk	15 th January 2020	Mr. Prashant Lokhande
15	Presentation for NAAC visit	5 th Dec 2019	Mr. Prashant Lokhande
16	Placements conducted for TCS, Hexaware and LTI	15 th - 30 th Oct 2019	-
17	INSPIRIA	12 th October 2019	Mr. Yogesh Chabria, Mr. Sameer Narad and Mr. Maruti Pawar
18	Infosys Placement drive	August 2019	-



INSPIRIA

INSPIRIA was a full day event conducted by the Training and Placement Committee of Pillai College of Engineering. This encouraged the students to think, learn and succeed for holistic well being and enhance their cognitive processing. Well known motivational speakers came in this event to guide the students towards their career and passion. This event was attended by 250 students from SE, TE and BE of various branches. As per event schedule, the inauguration of the event was conducted by lightning of the lamp and goddess Sarswati Vandana.



Lightning of lamp: Dr. S. M Joshi, Principal, PCE, Mr. Yogesh Chabria, Motivational Speaker, Mr. Maruti Pawar, Director, Amptronix and Dr. P S Lokhande, Head T&P, PCE.

Session started with Speaker Mr Yogesh Chabria at 11:30 AM

First speaker of the event Mr. Yogesh Chabria, came and things started to change, The journey of a person who formed his career with sales unfolded in front of students. How a kid who used to sell his toys to others was sharing his life changing experiences with others who need guidance. He said that one should be proud of what he does no matters, whether it be sales, job, teaching or anything. Loving what one does makes a person perfect in the work, but doing what one loves make him/her the master of all trades.

Life is full of opportunities. If we miss it by a fraction of second someone else will grab it. Life is about doing things and making some noise, not the other way round, sitting ideal getting confused between choice.



Inspirational session by Mr. Yogesh Chabria

Session continued with the second Speaker Mr Maruti Pawar at 12:15 AM

The second speaker of the event was Mr. Maruti Pawar. Everyone has heard stories about people coming from poor families and with their hard work turning the tables of life. Our honorable speaker mr Maruti Pawar is one such legend. His story from being an agricultural background to helper to being owner of a purely technical domain is truly commendable and has motivated a lot of startups. People says that underground construction is need for infrastructure but for life trust is needed as life is built on trust.



Inspirational session by Mr. Maruti Pawar, Managing Director, Amprtronics Techno Pvt.Ltd



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Session ended with the last Speaker Mr Sameer Narad, Motivational Speaker at 12:15 AM

Every day is a new race, a new beginning, a fresh start. Thousands of people prepare for this race. Next speaker of the event was Mr. Sameer Narad. He says that wars are won by physical strength but battles are won by mental strength.

The power of subconscious mind is unbelievable and unknown to many. Subconscious mind connects a person to the universe. Just one should know how to tap into it. Mr Sameer Narad has shown to the world what one can do anything just by the way one thinks. He shared with us the secret of using this power. Be Happy and believe in what one does and feel the results coming in the way u want them to be. It is a person's thinking that generates the output, work is just a pathway to reach and grab the output.



Inspirational session by Mr. Sameer Narad, Motivational Speaker



TCS Expert talk on SAP

Name of Speaker: Mr. Gaurav Ghelani

Affiliation: TATA CONSULTANCY SERVICES

Date: 16th January 2020

Time: 10.00 to 12.00 am

Class Room No: Auditorium

Class: SE, TE and BE

Branch: ALL Branches

No of Students 450

Name of the faculty present: Dr. P.S.Lokhande

Placement Cell Staff: Ms. Mohini & Placement Volunteers

Short Description of the Event:

TCS provided the platform to our students by providing an opportunity to learn about the SAP system. They gave an insight into the history of SAP, it's scope in Industries and the underlying career scope in SAP technology. The session was attended by 450+ students which included participation from B.E, T.E, and S.E from all branches, who were accompanied by their Faculties.



Event Photograph



Extra Curricular Activities

Teacher's Day Celebration

Date: - 30th August 2019

Venue: 7th Floor Auditorium

The Teachers Day event in Pillai College of Engineering was celebrated in a different way this year. The students of PCE Alumni Association themselves planned the day in such a manner that there was no dull moment. The event was planned in association with the other student bodies- ETSA, IEEE, CSI, AESA-MESA and ISHRAE. The event started with recitation of “Guru Brahma Guru Vishnu” Shloka. This was followed by felicitation of our teacher's and HODs: Principal sir-Dr. Sandeep Joshi, Dr. Arun Pillai, Dr. Manju Pillai, Kumaran Sir, Dr. Rajendra Kumar Khade, Dr. Avinash Vaidya, Dr. Sharvari Govilkar, Dr. Satishkumar Varma, Dr. Divya Padmanabhan and Dr. Dhanraj Tambuskar with a Tulsi plant as a sign of goodwill. One of the member, Thomas Vincy, drew the sketch of Principal Sir and presented it to him. This gesture was appreciated by the Principal Sir. He mentioned it in his speech and said that he was touched by the sketch and felt over whelmed. Samplings were given to the teachers as a form of our respect towards them. There were singing and dancing performances by Omkar Chauhan and Rishi Kataria. One of the member, Raturaj Sawant, preformed a mono act. Fun games were conducted by the students for the teachers. Each and every teacher was enjoying every moment and were happy to be a part of this event. The events ended on a happy note were all the students and teachers were given refreshments. A teacher plays great role in a student's life. They shape the future of a student by guiding them in the right direction. PCE Alumni Association poured their heart and soul into this event to thank all our teachers.



Organizers from Students Association





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Date: 31th August 2019

Venue: Main Auditorium, 9th Floor, Pillai Educational Campus, Rasayani

Time: 10.00 a.m.

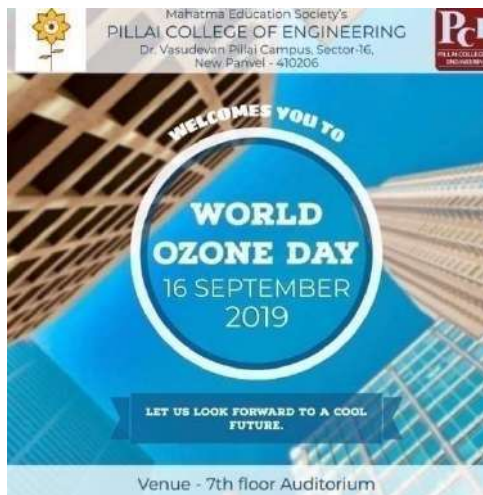
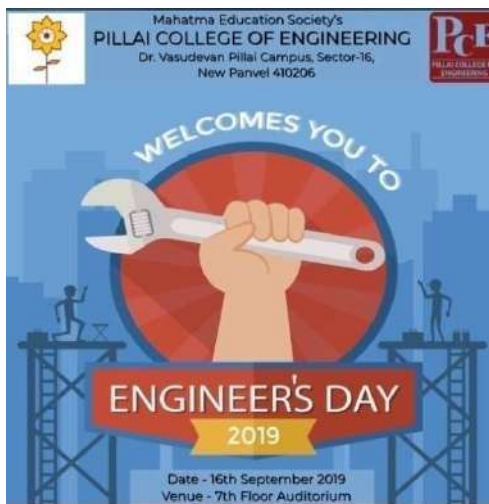
Like every year, this year Teachers day was celebrated on 31st August 2019 at Pillai HOC campus, Rasayani. It is a combined event of all Institutions of Mahatma Education Society. Highlights and outstanding achievements of all institutions run under Mahatma Education Society were presented by Dr. Daphne Pillai. Every year Mahatma Education Society is also felicitating Ph.D. holders during the Teachers' Day Celebration.



Felicitations of Ph.D Holders



Ozone day and Engineer's Day



Engineer's Day and Ozone Day were celebrated at Pillai College of Engineering on Monday, September 16, 2019. The Engineer's Day is usually celebrated on Sept.15, the birth day of Sir M Visvesvaraya. PCE celebrated it on Sept.16 as Sept.15 was a holiday. As a part of celebrations, institute organized one day seminar on "Industry – Academia Interaction". The event was conducted in two sessions, first session was organised for Mechanical and Automobile students and the second session was for ETRX, EXTC, COMPS and IT students. The first session started with lighting of lamp at 01:00 P.M. by the Principal of PCE, Dr. Sandeep Joshi, Dr. S Sivaram, Mr. Prashant Patil, Dr. Prem Goyal and Prof. Avinash Shaligram.

Dr S Sivaram (Padma Shri) ex-Director of National Chemical Laboratory, Pune was the Chief Guest. He was the first speaker for the session and gave talk on Academia Interactions: Challenges and Opportunities. The next speech was given by Prof. Avinash Shaligram on Ozone Day, about the importance of the Ozone Layer and what we can do about it. Followed by Mr.



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Prashant Patil, Senior Consultant and Oracle Delivery Lead at TCS, Pune to give a talk on “Preparing yourself for Corporate Career”.

The Second session started with Mr. Arun Rao, Executive Director at Magenta Power giving a talk on “Career opportunities in Renewable Energy Space”. The talk was about how renewable energy projects across the country are providing new opportunities and jobs for students. Dr. Munir Sayyad, General Manager at Reliance Jio Lab, Mumbai talked about the Recent Research Requirements of Next Generation Network. The Student Council along with all student bodies like CSI PCE,IEEE PCE,ETSA,ISHRAE,AESA MESA helped to organise this successful event. In addition to faculty members, 3rd and 4th year engineering students attended the seminar. On the whole, it was adjudged as a successful and useful event.





Freshers and Felicitation 2019

The annual Felicitation and Fresher's event was held on the 20th of September 2019 in the Auditorium at Pillai College of Engineering in Dr. K M Vasudevan Pillai Campus New Panvel. The gathering began at 3:45 PM and by the time it was 4:00 PM all the parents with respective toppers had arrived, also the faculty and respective HOD's of all branches, Mr. Kumaran our registrar and our dear Principal Dr. Sandeep Joshi showed their valuable presence. Soon the Founder and CEO of Mahatma Education Society Dr. K M Vasudevan Pillai arrived, the event was also blessed by the very presence of our Alumni Captain Ankur Mahale as our chief guest. The Event started with the divine lighting of Lamp by the guest's which glorified our very path to success. The Guest of Honor Dr. K M Vasudevan Pillai addressed the gathering and shared his valuable thoughts with students. The Chief Guest Captain Ankur Mahale spoke few words on future ventures of students. The students were blessed to be mentored from such wise heads. What followed was the felicitation of our BE and TE toppers from all branch who were lucky enough to be felicitated by our dignitaries. After BE and TE it was time for SE toppers to seek blessings from our Principal. The FE toppers were felicitated by their respective faculty members and coordinator Dr. Arun Pillai and Dr. Manju Pillai. Then the Ex-Student Council of PCE was presented with memento by Dr. K M Vasudevan for their stellar contribution. The remaining toppers of all branches were felicitated by respective HOD's the Automobile branch toppers were felicitated by Dr. Divya Padmanabhan followed by Computers branch by Dr. Sharvari Govilkar ,then Electronics branch by Dr. Rajendra Khade and then Telecommunication branch by Dr. Avinash Vaidya ,followed by the IT branch toppers by Dr. Satishkumar Varma then in the end the Mechanical branch was felicitated by Dr. Dhanraj Tambuskar. All received a certificate for their excellent achievements in respective years. The toppers and ex- council were wished for the future and along with faculty members and parents enjoyed the high tea.

After an observed break of 10 minutes the next part of the event the Fresher's began. The theme decided for the day being Red Carpet – Roadway to engineering all the Fresher's enthusiastically followed the same and participated in great numbers. Games and Rap battles by seniors were presented before them in the old canteen area. Also the creative team had crafted out photo booths for the photo session. What followed was the competition of Mr. and Miss. Fresher. Several rounds were conducted among 9 participants. The Introduction round followed by talent round. Soon the final round began the Question and Answer round where the respected judges asked some tricky questions to our finalists questions such that tested their mental and physical presence in society. After tally scores were calculated, Mr. Anirudh Acharya and Miss Hemangi were selected as respective Mr. and Miss Fresher for 2019. They were felicitated by our judges. Then the much awaited jam session was conducted for a span of twenty-five minutes. Looking at the cheer one could say that the Fresher's thoroughly enjoyed themselves. In the end they were provided with snacks and departed with a lot of memories and new friends. The event came to an end by 8:30 PM and everyone left with joy on their face, they couldn't have asked for a better evening to start their Path towards Engineering.



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Diwali Celebration

Candlelight's, earthen lamps, homes filled with a sweet smell of delightful sweets, the warmth of families & friends, and the chill of the upcoming winter season, that's how we'd like to paint a perfect picture of Diwali celebration in India. Diwali — the “festival of lights” is the biggest festival in India, mainly celebrated by Hindus, Sikhs, and Jains around the world. Commemorating the victory of good over evil, it is also an opportunity for people to move on, let go of past grudges, and make merry.

Annual Diwali celebration held at PCE, New panel on Saturday 19th October, 2019. There were dance, music, gift and lots of fun with DJ. All faculty members, Administrative staff and supporting staff joined to enjoy the celebration.

Some faculty members participated in Antakshari, best dress competition, Party entertainer and Mr. and Mrs. Personality.



Group Photo of faculty members



Best Dressed Lady



Cultural Night

A cultural night performance by the students of Pillai College of Engineering was arranged on 6th December, 2019. The show was managed and organised by the Student Council with the help of faculty advisors. The demonstration included the presentation of achievements of various student bodies from their formation. The theme of cultural night event was “Incredible India”. The performers presented dance and songs which were greatly appreciated by the authorities of college. The standard of performance highlighted the talent our college possessed apart from academic excellence and also how much our college helped an individual in all round development.

The evening began with a lamp lighting ceremony followed by Ganesh Vandana. It was followed by a stellar performance by Musical band Bench Mark. It was then followed by various Group Dance performances. Various elements in Indian Culture were depicted which included the cultural diversity, regional uniqueness and one could draw a picture of Incredible India. The outstanding performance was applauded and cheered. The event concluded with the National Anthem.



**Cultural
Night**

**Incredible
India !**





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Alegria 2020

‘Alegria- The Festival of Joy’ is the Pillai Group of Institutions exciting intercollegiate event. This event was organised in Dr. K. M. Vasudevan Pillai Campus by students of institutes in the campus, i.e. by PCE, PCACS, PIMSR and PICA.

In Alegria, total 85 events and a blend of 29 technical and non-technical workshops were organised in 10 different categories which includes (Technical and General)Workshop, and events included Management, Technical , Performing Arts ,Sports ,Gaming ,Fine Arts and Literary Arts. This year the theme of Alegria 2020 was ‘Dreamland: Journey Into your Imagination’.

The Inauguration ceremony was held in the Atrium and inauguration was done by Dr. K. M. Vasudevan Pillai and other members of Pillai Family. The Alegria Festival was organised for 5 Days starting from 4th February 2020 to 8th February 2020. We received a huge participation from various colleges. The number of entries exceeded 10,000 this year which is the highest till date also the total footfall for various concerts exceeded 15,000. This year the council and other members of various committees showed great efforts in crowd management which led to smooth functioning of events.

As every year the Sports section and Gaming section saw the highest attraction among participants and our huge campus was fully equipped to withstand such magnitude of games. Gymkhana and few classrooms were used for indoor games and synthetic turf along with main ground was used for outdoor games. Alone sports events saw 3000 registrations for its 22 games. Other categories included Performing Arts and Informals. The Performing Arts conducted in Atrium and Auditorium saw the best spectator pulling as various theatre teams of nearby Degree, Senior and Junior colleges participated in huge numbers. To make the event memorable celebrity lineup was arranged by organising committee as a Judge for the events which included Aisha Sharma, D-Cypher Adha Sharma and many more.

Last three days stood as the highlight of entire events as we had dedicated performances from the big celebrities which included Singers like Dhvani, Arman Malik and comedians like Kenny and the last night was the most memorable one which saw the highest crowd pulling as we had more than one DJ performing for more than 3 hours. A full house of entertainment. Alegria gave a platform to students to showcase their talent in front of a huge crowd.

The staff, committee members, heads, volunteers and students with their tremendous contribution and made Alegria a ‘festival of joy’.



MAHATMA EDUCATION SOCIETY'S
PILLAI GROUP OF INSTITUTIONS
PRESENTS

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**ARMAAN
MALIK**

07 FEB | PILLAI COLLEGE

LIVE IN CONCERT



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Bravo!
ONE OF INDIA'S
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PILLAI COLLEGE **6 FEB**

**KENNY
SEBASTIAN**

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First Year Sports Tournament

The annual sports tournament for FE (First Year Engineering) was held in Pillai College of Engineering in February 2020 by the Sports secretary Yash Borade and PCE Sports Committee under the guidance of Yogesh Kene Sir and Arun Pillai Sir. Various events were included this year apart from usual ones, these include chess, carrom, table tennis were solo events and throwball for girls and football for boys as group events.

The stage was set for young lads to perform as they appeared in great numbers, making this event a great success. Inauguration was conducted by our Principal Dr. Sandeep Joshi who gave a boost to every player by his speech, Soon our Sports faculty Prof. Yogesh Kene gave a speech on Sportsmanship and discipline which one needs to carry while playing competitive games. Various other FE faculty showed their valuable presence which gave a boost to our participants.

As events reached their final stage the excitement was at its peak and every individual wanted to win for their respective teams. There was a better talent presented by the freshers as one could make out from the intensity of the players. The winners were felicitated by our faculty. Anup Joshi being the winner for Chess , Kshitij Patade for carrom and Ayush Koli for table tennis. The finals of group events were inaugurated by various faculties whereas prof. Arun Pillai started the football match by a penalty kick. The group events were highlights of the tournament, the throwball was won by A Division and Football by D Division. The event was well organised and the quality of game presented by the freshers was eye catching for some of the seniors. The winners for respective games are as follows



Chess Tournament



Shivaji Jayanti

On the occasion of Birth of Chatrapati Shivaji Maharaj, Pillai College on his honour celebrated Shivji jayanti on 20th Febuary 2020. Students prepared them to show their talent in form of skit, dance and art creativity. The special way of invitation card was made called “khalita” for the inviting the College Principals, Professors, Staff and students of each and every stream before the day of the event. On the event day, the college event area was decorated with orange flags and ribbons, rangolis were made. The professors and students came in college wearing Maharashtrian traditional clothes. The day started with Pooja and blessings of Chatrapati Shivaji Maharaj and the exhibition was held of 150 unique images of forts with their information in the Old canteen area from 11am, which was inaugurated by Principal Dr.Sandeep Joshi sir. The main attraction of the exhibition was the moving model of “Oath of Shivaji Maharaj” made by engineering student. Throughout the day many professors and students visited the exhibition with the curiosity to get information of the forts. The main event of the celebration was start at 4pm in the atrium area which started with the Ganesh Poojan dance, which filled the energy in crowd along with the dance on “motherhood of Rajmata Jijabai and birth of Shivaji”. The speech on the impact of values in Chatrapati Shivaji Maharaj’s time in today’s culture was held. A genre of Marathi poetry called Powada was conducted. The performance of lathikathi along with dance was performed by the students which made the crowd to cheering the slogan “Jai Shivaji Jai Bhavani” and “Chatrapati Shivaji Maharaj ki Jai”. At last the most energizing “dholtasha” performance started that made many of students to dance of the rhythm of dhol and cheering slogans.





Exhibition



150 Unique Images of Forts & Their Information and Moving Model of Shivaji Maharaj





International Women's Day Celebration

International women's day is celebrated on 8th March every year. It is a focal point in the movement for women's rights. It is observed around the world to celebrate the velour of women. The celebration was held on 9th March, 2020 for the teachers of EXTC and ETRX Department of Engineering. The celebration was conducted in S-508 for a total duration of 2hours from 4pm to 6pm. The event started with a welcome speech by the ETSA Representative Yatish followed by a amazing welcome performance by the students. After the performance the teachers were divided in two groups and fun games were played. The first game was heads up where a teacher has to guess another teacher's name by interpreting the actions of team members. After three rounds the second game bucket ball was played, where one member from each group has to throw the balls in a bucket. Followed by that the next game was damsharas where a member for each group has to act so that the teachers recognizes the movie name. After the games session cake cutting took place. The snacks and gifts were distributed to the teachers. Right after that a small memory game was played. The event concluded with a speech by ETSA president Dikshita Oswal.



Teachers and ETSA members clicking pictures



Fun games played by teachers



Teachers cutting cake



Cultural Days

Annual Cultural Days were organised by PCE Student Council over a week in March 2020. Days this year were organised on a larger scale with sponsors tipping in the functions which saw new setups and backdrops never seen before. Large number of students participated in these Days. Days with specific dress code and theme were conducted during these days. This include Gang Day/Twin Day where people of similar division or group dressed alike. Next was Denim or Hoodie Day Followed by Mismatch Day where the students showed their creativity and dressed mixed permutations to look weird yet stylish. What followed on the next day was Black and White day and then Status Day. Photo booths were arranged and various games and social media activities were conducted. Students used their break time to click pictures and share them on their social media accounts.



Gang Day

The Traditional day conducted in March was the main highlight of the cultural days. It was conducted in Atrium. The Student Council arranged phetas for the students. Traditional backdrop was made over night by the Creative Team. Hangings of Flowers were also part of decorations, the stage was set. People dressed in their favourite traditional attire appeared in huge numbers. Function started with our Principal Dr. Sandeep Joshi by lighting the lamp and addressing the crowd. Followed by Certificate Distribution to our Cultural Night Performers and Student Body volunteers were felicitated for their contribution. It was followed by excellent dance performances and the much awaited Dhol Tasha Pathak. This year our collaborators were Ranasayadhri Dhol Pathak from Panvel. The Dhol tasha session continued for a time of one hour. Around 20 Dhols 4 Tasha a Gong were part of the setup. It seemed that every element



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along with students danced on local beats. The session ended with a special dance performance by Student Council Members. In the end students enjoyed a lot and will keep this day as a part of college memories.



Dhol Tasha pathak



Students in Traditional Attire



Webinar on Managing Exam Stress and Optimising Mental Well Being

A one hour webinar on “Managing Exam stress and optimising Mental well Being” was organised during the lockdown on Google meet by Student Council of PCE and PHCET. The aim of the webinar was to help students to deal with stress related to competitive exams by Stress management. This Webinar was conducted by Pillai group of Institution counsellor Ms Yvette Lee. A total of 105 students of class 12 from different colleges participated.

Ms. Yvette Lee gave certain tips for preparing exams like time management, creating a broad schedule, setting realistic goals etc. She also emphasized on various techniques to be followed like managing good life style patterns, getting rid of negative thinking and having irrational fears. Also she recommended students to take regular breaks and schedule in fun things to look forward to, exercise and get outdoors, speak to someone who can make them feel better etc.

After completion of an informative lecture by the counselor the participants were encouraged to come out with doubts if any in the interaction session. Accordingly some of them have raised various doubts with regards to admissions in various professional colleges and entrance exams for the same. In turn the counselor answered them and cleared their doubts.

The entire program was coordinated with the support of the principal Dr Sandeep Joshi, the student council of PCE and PHCET and the faculty members of Pillai college of engineering, New Panvel, Navi Mumbai. All the students expressed their gratitude to PCE and PHCET for creating awareness on managing exam stress and optimizing mental well being.

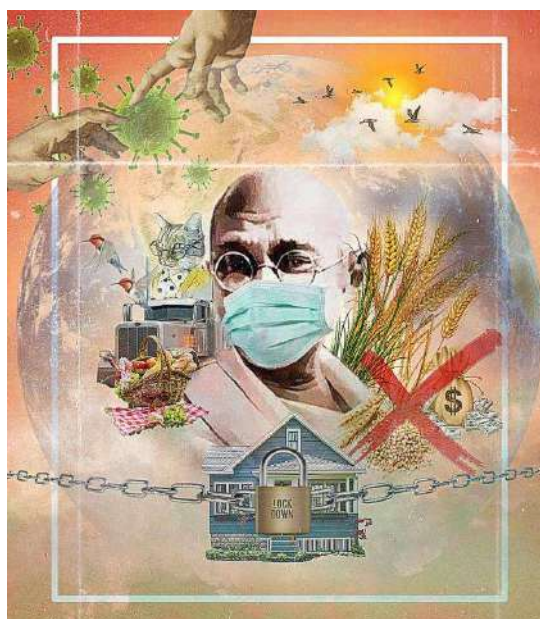


Digital Art Competition

A “Digital Art Competition” was organised by the Student Council of Pillai College of Engineering. The objective of the competition is to raise funds to fight against Covid-19 pandemic and to bring out the creativity in the participants. The theme of the competition was “Life before, during and after lockdown”. Participants were asked to express their ideas through digital art. A total of 56 students participated from which 30 students were from school, 18 from college and 8 others with immense zeal and enthusiasm and made beautiful digital art by using various types of softwares. The participants were provided a link for submission on 21st May and the last date of submission was 22nd May, 2020.

The competition was judged by Student coordinator Aditya Mhatre; Student Council Graphics head Romax Rajeev, faculty coordinators Dhiraj Amin and Ranjita Gaonkar. All the collected fee amount of Rs. 2100 was donated to Gurudwara Panvel via Milaap which is working to provide daily food to thousands in need during lockdown. Pranav Jagdale bagged the first place with a cash prize of Rs.500 and other category winners received winning certificates. Certificates for all the participants were sent via email. The entire program was coordinated with the support of the principal Dr.Sandeep Joshi, the Student Council of PCE and the faculty members of Pillai college of engineering, New Panvel.

School Category Winner: Om Prakash Daspute





College Category Winner: Pranav Jagdale



Other Category Winner: Mr. George Varghese





Student Chapter Activities

AESA-MESA



Sr No	Event Name	Date
1	Motivational interactive session with personality development and opportunities in Civil Services	28/8/ 2019
2	Auto CAD Competition	29/8/2019
3	IV at JNPT	26/09/2019
4	Motivational talk on "How Engineer's can make themselves employable after their engineering degree."	10/10/2019
5	IV at ARAI	12/10/2019
6	Workshop on CNC Machining	31/1/2020 and 1/2/2020
7	Solid Works Competition	12/2/2020
8	IV at Amphtronics	22/02/2020
9	IV at Alpha Chemical	22/02/2020
10	IV at Akhil Products	22/02/2020
11	IV at Grand Precicast	22/02/2020
12	Workshop on Career Guidance on Electric Vehicle	4/3/2020



Motivational interactive session with personality development and opportunities in Civil Services:



Date - 28 July 2019. Timing - 12-2pm.
Venue - Mini Auditorium.
Speaker - MR. Amit Medhkar, MS (Psychotherapy & Counselling)

Event started at 12PM as scheduled. Mr. Amit Medhkar was felicitated by principal Mr. Sandeep Joshi Sir. Mr. Amit Medhkar started the session with a very joyful way to ensure an active response from the student. In the beginning of the session he told students about how laughter helps us in being positive and creating a positive atmosphere around us which is the very first step towards success. In his lecture he has also convinced students about how decision making is as important as any other thing on the path towards destiny. Taking decisions is important but making them on the right time is more important.

Auto CAD Competition

Date - 29th August 2019 Timing- 3.00pm to 5.30pm
Venue- J201 Entries- 51 (SE).

AESA MESA successfully conducted the AutoCAD competition for second year students of automobile and mechanical engineering. The entry was free for AESA-MESA members and Rs. 50 for Non-member. The prizes were, First- Rs.2,000, Second- Rs.1,000 and Third- Rs.500. The faculty involved was Prof. Amey Nijasure. The competition consisted of two rounds.

First round-

In the first round the participants were given four figures to draw. First round had a time limit of half an hour. Among the 51 participants, 16 were shortlisted for round 2 according to their performance with the help of Prof. Amey Nijasure sir. After the first round, participants were given refreshment.

Second round-



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The shortlisted 16 students were given another problem in which they had given one isometric drawing and from this they had to draw a view. Second round had a time limit of 1 hour. Out of these 16 participants, the top three were selected with the help of Prof. Amey Nijasure sir.

Visit at JNPT

Date- 26th September 2019.

Jawaharlal Nehru port trust is one of the biggest port in India, located near Mumbai. Industrial Visit to JNPT, Uran was arranged by AESA MESA Committee, PCE. Group of 85 students and with 3 faculty members Prof. Manikant Verma, Prof. Pankaj Khakre, Prof. Jweshwari Tupe visited JNPT on 26th September 2019. Students were given brief information about port which was run by JNPT, Singapore, Dubai etc. What are security policies of ports was explained by JNPT officials. Small tour to the entire port was done. Along with this, students came to know about various cranes such as Rail-mounted cranes etc. Various storing areas on the port were shown. Apart from this, how JNPT does the business was explained in detail by the officials and also what are the future opportunities as an engineer was briefed by the officials at the end of the session.

Motivational talk on "How Engineers can make themselves employable after their engineering degree"

Date-10th October 2019 Timing: 3.00 to 5.00 pm

No. of Attendees -100

Motivational talk for BE students was organised by AESA-MESA. The speakers for the talk were Mrs. Anagha Bhide (Entrepreneur) and Mr. Jay (Senior Consultant). The speakers talked about different job opportunities and various fields where fresh engineer has chances to build his career in. Discussions were made regarding topics like - Interviews of industries, different CAD softwares, NDT certification course etc.

Visit to at ARAI

Date-12th October 2019

ARAI is a co-operative industrial research association by the automotive industry which is affiliated to the Ministry of Industry, Government of India established in the year 1966. It is located in the western part of Pune spread over 250 acres of land housing various laboratories, test facilities. Industrial Visit to ARAI, Pune was organised by AESA MESA, PCE for the students of BE Mechanical and Automobile Engineering. The group of 62 Students and 3 Faculty Members Prof. Shivapradeep, Prof. Tikaram Verma and Prof. Lalit Mehata visited the company on 12th October, 2019. Students were allowed to enter the facility after giving a brief introduction of the premises and instructions about the safety precautions to be taken while on the exposition. During the visit they saw various automotive products that focused on recent



advances in various automotive areas such as Safety, Emissions, Engines, Noise, Alternate Fuels, Electronics, Simulation & Modelling, etc. They also saw different mechanisms and functions of products practically which we are only able to visualize during our theory lectures in college. In this visit They had visited to three different locations: 1) ARAI HTC Chakan 2) ARAI FID Chakan 3) ARAI Kothrud

Workshop on CNC Machining

Date- 31st January and 1st February, 2020

Number of participants - 30



Day 1: Dr. Richa Agrawal explaining the basic of CNC Machines and Programming

AESA MESA conducted 2 days workshop on CNC Machining on 31st January and 1st February 2020 for second year mechanical and automobile students. The workshop was conducted under the guidance of Dr. Richa Agrawal. On the first day of the workshop, participants were imparted with the theoretical knowledge of CNC Machining. Coding which is required for machining was covered thoroughly in the first session of the workshop with the help of various PPT's, videos etc. The next day the participants were given hands on experience to the CNC Trainers in CNC lab and an extensive practice session for CNC part programming was covered.



Day 2: Participants with Expert and Mr. Deepak Bane

Solid Works Competition

Date- 12th February 2020 Timing- 3.00pm to 5.30pm



Participants in J201 lab

AESA MESA successfully conducted the Solidworks competition for second year students of automobile and mechanical engineering. The entry was free for AESA-MESA members and the entry fee was Rs. 50 for non-member. The prizes were, First- Rs.1,000, Second- Rs. 500. The faculty involved was Prof. Binsu Babu. The competition consisted of two rounds.

First round-

In the first round the participants were given an isometric view from which they had to draw a part and had a time limit of 40 minutes. Among the 40 participants, 14 were shortlisted for round two according to their performance with the help of Prof. Binsu sir.

Second round-



The shortlisted 16 students were given different views of different parts from which they had to draw parts and make assembly. Second round had a time limit of 1 hour. Out of these 14 participants, the top two were selected with the help of Prof. Binsu.

Visit to Grand Precicast, Amphtronics, Akhil Products and Alpha Chemical

Date:-22nd February, 2020.

Number of entries:-82

Industrial Visit to Grand Precicast, Amphtronics Techno Pvt Ltd, Aahil Product Pvt Ltd, Alpha Chemical Private Limited, was organised by AESA MESA, PCE for the students of SE Mechanical and Automobile Engineering. The group of 82 Students and 4 faculty members Prof. Jweshwari Tupe, Prof. Pranita Thakur, Prof. Dipesh Jain and Prof. Ravishankar Kumar visited the company on 22nd February, 2020. The visit to the above companies resulted in increasing the knowledge of students about the steel refinery ,investment casting, various manufacturing machines and the workflow of the industry.

Workshop on Career Guidance on Electric vehicle

Date : 4th March 2020 Timing : 3:00 to 6:00 PM

Venue : Auditorium (7th floor)

Speaker : Mr. Rohan B. - Senior Manager in Project Management and Development with an experienced of 9 years in Automobile Industry.



Students attending the Seminar



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AESA-MESA successfully conducted an industry oriented seminar on Electric Vehicles. Electric vehicles are part of the Fourth Industrial Revolution, driven by disruptive technological change. The seminar was for SE, TE and BE Mechanical, Electronics, Automobile and EXTC students. The session was very interactive. Many questions asked by the students and Mr. Rohan had cleared all the doubts of the students.

Topics which are covered in session were: Trends in Electric vehicle, BS 6, Hybridization, types of hybrid vehicles – Parallel hybrid vehicle, Series hybrid vehicle, Battery management system, Fuel cell, Charging infrastructure, Range extender, Norms and regulations for EV.



CSI Events



Odd Semester:

IoT Workshop



Date: 10/08/2019

A workshop on Internet of Things was held by the CSI-PCE student branch on 10th August 2019. This session was conducted by Leobotics. It focused on learning the ins and outs of the Arduino kit as well as understanding different ports and types of sensors. They were also taught about the basics of manipulating the code to give the desired outputs. The event was live-streamed, to conduct two workshops in both the labs simultaneously. At the end of the workshop students learned how to make their project presentable and how to use Arduino kits to execute basic mini-model.



Maker's Day



Date: 17/08/19

CSI-PCE participated in Maker's day orientation organized by Pillai College of Engineering. The orientation was held in the Old Canteen area for the freshers of the college. This was an attempt to make the students more aware of the facilities provided by the college and the various student bodies that were a part of the college. Students who wished to take advantage of this unique opportunity turned up in considerable numbers. Records showed total entries crossing the 200 mark.

Workshop on JavaFX



Date: 18/08/2019

A desktop application development using JavaFX was held by the CSI-PCE student branch on 18th August 2019. This session was conducted by Hrishikesh Agrawal and Satej Kokate. The workshops helped students focus on their PBL projects, develop an in-depth understanding of JavaFX for creating desktop applications by keeping in mind various design aspects to be



considered while designing using FX. By the end of the workshop, students were able to develop mini-models of the basic application.

Data Visualization with Tableau

Date: 25/09/2019

Data Visualization with Tableau was a workshop held by the CSI-PCE student branch on 25th September 2019. This session was conducted by Dr. Priam Pillai. The workshop focused on:

1. Connection of Tableau to variety of Datasets
2. Analyze, Blend, Join, and Calculate Data
3. Visualize Data in the Form of Various Charts, Plots, and Maps.

At the end of the session, students learned on visualizing data using Tableau. The event was conducted for 42 students. Two of our esteemed faculty members, Prof. Florence Simon and Prof. Shivapradeep Muthupandi were part of the workshop.



Dr. Priam Pillai : Tableau Workshop

Profile Build-up Seminar





Date: 06/10/2019

Profile Build-up was a seminar held by the CSI-PCE student branch on 06th October 2019. This session was conducted by CSI and the first event under the technical fest BITNOVA – Season-1. This session was conducted by Ms. Smriti Sharma, Mr. Gaurav Joshi, Ms. Irfat Kapde, and Mr. Nachiket Sonawane. It focused on making the students aware of the various ways of tackling academics, managing time and maintaining a good score. At the end of the session, students learned how to maintain steady grades and meet the basic curriculum requirements of academia. The seminar was an interactive session between the students and the speakers as the students showed a lot of interest in the topic and asked many queries. The speakers asked bonus questions and the students who answered were given chocolates for their efforts.

Motion Visuals



Date: 06/10/2019

CSI-PCE conducted a Study Circle for engineering students on 06th October 2019, which was conducted by Mr. Omkar Kumbhar, Mr. Pranay Gupta, and Mr. Sourabh Kulkarni. It was the second event under the technical fest BITNOVA – Season-1. The study circle focused on helping students develop extra-curricular skills. It also focused on merging, manipulating various video clips, and rendering them. They were also taught the basic principles of videography and various types of shots. After the sample video was completed the students were provided with various short clips and were tasked to make a small motivational sports video of the time limit the 20s in half an hour. After the hour was up the group videos were judged by the speakers. The winners were felicitated and the team that won was given a tripod for Smartphone and DSLR. At the end of the session, students were able to learn and implement the creation of videos by merging, manipulating various clips, and rendering them.



Career Counselling Seminar



Date: 12/10/2019

Career Counselling was a seminar held by the CSI-PCE student branch on 12th October 2019. It was the third event under the technical fest BITNOVA – Season-1. The session was conducted by Mr. Inder Kapoor who was associated with Finacle Shah Classes and Bits Pilani Apogee. The speaker introduced the students to the concept of MBA and CFA after completing engineering and focused on making the attendees aware of the future scope of their career in a different field like finance. At the end of the session, students learned how to maintain steady grades and meet the basic curriculum requirements of academia. At the end of the seminar the speaker asked the students their viewpoint, discussed it, and advised them on how they can pursue an MBA and CFA. The speaker also recommended books, magazines, and documentaries to crack the requirement.

Introductory Session on Machine Learning





Date: 12/10/2019

CSI-PCE conducted a Study Circle for engineering students on 12th October 2019, which was conducted by Ms. Irfat Kapde and Mr. Lovkesh Sharma. It was the fourth event under the technical fest BITNOVA – Season-1. The study circle helped students focus on collecting and analyzing the information and feeding it to the data model. The participants learned the basics of machine learning, its origin as well as its applications in the current industry. They were guided to create their own ML models and help that model to derive conclusions from the raw data provided to it. At the end of the session, students were able to understand the basics of machine learning, and learned how to make their projects using the Machine Learning concept.

Graphic Designing Workshop



Date: 13/10/2019

An Introduction to Graphic Design workshop was conducted by CSI-PCE on 13th October 2019. The session was conducted by Mr. Vaibhav Adsul and Mr. Gaurav Joshi. This session was conducted by CSI and the fifth and the final event under the technical fest BITNOVA – Season-1. The workshop focused on helping students develop extra-curricular skills. It also focused on making students aware of the different designing software as well as the art of graphic design. A small activity was conducted where the students got to design their own logo and explore the creative side. The session also focused on teaching the students how to use the various tools for making a logo as well as different features of the software. They were taught the color combinations to make attractive posters and various concepts like the golden ratio. By the end of the workshop, students learned how to create logos and design posters based on graphic design principles.



Coder of Semester

Date: 30/11/2019

Pillai College of Engineering in association with CSI-PCE, came up with the brilliant initiative of the Coder of Semester. This was a competitive exam of different levels for the students of the Comps and IT department, open for all years. More than 200 students participated in this competition and displayed wonderful results. The first round was conducted on 31st August while the second round was conducted on 21st September. The enthusiasm with which the students participated was commendable and appreciable. The final round was conducted on 30th November 2019 and winners of the competition are as follows:

1. Aditya Nair (SE Comps)
2. Preetam B A (TE IT)
3. Romax Rajeev (TE Comps)

Even Semester

Social Event- Orphanage Visit

Date: 25/01/2020

CSI-PCE had organized its first-ever social event, a recreational session at Rays of Hope Ministries and Girija Foundation located in Kharghar, Navi Mumbai on 25th January 2020. The session was conducted by CSI-PCE committee members. The event focused on technical and non-technical aspects which helped students from Rays of Hope Ministries and Girija Foundation nurture their abilities.

Recreational Session at Rays of Hope Ministries:

The session was held on 25th January 2020 and a total of 40 students were present at Rays of Hope Ministries. A total of 23 members of the CSI-PCE committee turned up to be a part of this enlightening event. The session consisted of various recreational activities:

1. Motion Gaming
2. How to solve a Rubik's cube
3. Origami
4. Drawing

The session concluded with a counseling session where the importance of education, hard work, and building a career were realized to students.

Recreational Session at Girija Foundation:

The session was held on 25th January 2020 and a total of 30 students were present at Girija Foundation. A total of 21 members of the CSI-PCE committee turned up to be a part of this enlightening event. The session consisted of various recreational activities:

1. Motion Gaming
2. How to solve a Rubik's cube
3. Origami
4. Drawing



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The session concluded with a counseling session where the importance of education, hard work, and building a career were realized to students.



NGO Social Event

Member's Meet



Date: 15/02/2020

CSI-PCE had organized its first-ever Member's Meet, exclusively for its CSI members on 15th February 2020. The member's meet was held in two sessions. The two sessions were:

1. Project Management and Version Control with Git
2. Technical Treasure Hunt

Project Management and Version Control with Git:

Project Management and Version Control with Git workshop was conducted by CSI-PCE on 15th February 2020. The session was conducted by Mr. Aditya Nair and Mr. Kaustubh Sawant. The workshop helped students focus on their PBL projects, develop an in-depth understanding of the concepts of C, and how Git helps in project management and version control while building



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the project. By the end of the session, students learned how to make their projects presentable and protocols to follow for the same.

Technical Treasure Hunt:

Technical Treasure Hunt was conducted by CSI-PCE on 15th February 2020 exclusively for its CSI members. The treasure hunt consisted of three rounds, the first round consisted of various tasks that required technical and general knowledge, problem-solving skills, basic coding, and various activities that required team coordination and skill with hands. The second round and the wild card rounds were fully technical while the third round was completely non-technical. The students participated with great enthusiasm. One team won and the 10 students were felicitated by Prof. Varunakshi Bhojane. The event was a huge success and received excellent feedback from the participants.

Android Application Development Fundamentals Workshop



Date: 08/03/2020

An Android Application Development Fundamental workshop was conducted by 08th March 2020. The session was conducted by Mr. Nachiket Sonawane and Mr. Vinod Gupta. The session focused on making an android application using Android Studio. The participants learned the basics of android development, its origin as well as its applications in the current industry. They were guided to create their applications from both front and back end. By the end of the workshop, students learned the fundamentals of Android Application Development. The event was conducted for 30 students.



ETSA Events



Arduino Workshop

The workshop was held in two batches on 23rd August, 2019 for SE EXTC students which was a great success. Another workshop for SE EXTC was held on 27th August by ETSA. The speaker for the workshops was Prof. Ruchira Patole and was assisted by our technical head Mr. Omkar Chauhan. The workshop commenced with a welcome speech by committee members. A short introduction was provided by the speaker who conducted the workshop about the Arduino. During the workshop, students were trained to prepare their own Arduino projects with the help of coding which will help them in future.

Industrial Visit

ETSA-PCE organized a one day Industrial Visit to Doordarshan Sahayadri Kendra, Worli, Mumbai on 10th of October, 2019 for Electronics & Telecommunication engineering students. The visit was organized with prior permission and guidance of the Principal, Dr. Sandeep Joshi. It was supported by the HOD of EXTC, Dr. Avinash Vaidya, the ETSA Coordinator, Prof. Apeksha Chavan, and along with Department Faculty, Prof. Yogesh Kene. A total of 40 students visited the company.

Maker's Day

Maker's Day was conducted on 17 th August 2019 in the Old Canteen Area. All the Student bodies were present there to make the event a success. Maker's day is a day on which the F.E. Students are sent to have a look around all the labs in the college, the amenities present and all the machines present here in our college campus. The event started with a welcome speech by ETSA President Ms. Dikshita Oswal addressing all our committee members. A short introduction was provided by Prof. Apeksha Chavan Maam and H.O.D. of EXTC, Dr. Avinash Vaidya Sir.

LaTeX Workshop

LaTeX workshop was conducted on 9 th August 2019 in R102 lab. The speaker of the workshop was Ms. Ruchira Patole LaTeX is a document preparation system. LaTeX is a high-quality typesetting system, It is most often used for medium to large technical or scientific documents but it can be used for almost any form of publishing. LaTeX is not a word processor, instead it



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encourages authors not to worry too much about the appearance of their documents but to concentrate on getting the right content. The workshops started with a welcome speech by ETSA Technical head Omkar Chauhan. A short introduction was provided by Prof Ruchira Patole who conducted the workshop about the LaTeX software. During the workshop, students were trained to prepare their own blackbook with the help of LaTeX which will help them to prepare their own reports and blackbook for their final year projects.



IEEE Events



Event	Date	Time	Speaker	No. of Participants
IEEE DAY 2019	October 10, 2019	3:00pm to 5:00pm	Mr. Akhil Menon	60
ROBOTICS	August 24, 2019	10:00am to 4:00pm	Mr. Akhil Menon	30
ZINZOUT	July 30, 2019	3:00pm to 6:00pm	Mr. Avinchal Sharma	40
BIG DATA	July 20, 2019	10:00am to 2:00pm	Prof. Gaurav Sharma	45

IEEE DAY 2019 Event

Tech-Hunt and the lecture by Mr. Abhay Phanshikar were conducted simultaneously on the day of the event. In the event the participants were given clues about the components they had to find and the lab where components were placed. Total 16 Groups participated in the event. Each group had 4 members. The



winner of the Tech-Hunt was Mr. Sudhanshu and his group. After the Tech-Event council setting ceremony was conducted in the auditorium. After a short speech was given by our principal Dr. Sandeep Joshi sir and our SBC Dr. R.H. Khade. The council members of IEEE PCE were given appointment letters by our Principal Dr. Sandeep Joshi and our SBC Dr. R.H. Khade.



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Another event which was being conducted was a lecture by Mr. Abhay Phanshikar on Embedded



Systems. This event was conducted in the auditorium. Sir elaborated our students about the importance of IEEE for an engineering student as well as for a professional student. Also, sir explained about the vast opportunities the Embedded System field has in future. After this students were explained about the use of Embedded Systems in home automation.

Sir also explained about the common technologies used in Embedded Systems like GSM, GPRS, Micro-controllers and sectors, etc. Students were also elaborated briefly about the use of RFID in embedded systems and it's overall importance. After the event a vote of thanks was given by our Chairperson Aditi Garde. After the event in Auditorium prizes were given to the winners and runner ups of Tech-Hunt competition by our chief guest Mr. Abhay Phanshikar and a cake cutting ceremony was organized in Lab T-402 lab.

Sir also explained about the common



Robotics Workshop



All the Participating Students and the Council members reached Lab T-101 at 10:00 am. The workshop began with a short opening speech by our Student Branch Counselor Dr. R. H. Khade. To begin with participants were explained about basics of Arduino, its uses and its hardware and software. To explain more about Arduino and it's working participants were explained a short program about LED blink on Arduino. After the LED blink program our speaker Mr. Akhil Menon

explained about robotics, its application and how it is useful for the world. To begin with robotics participants were taught about the interfacing of various modules and motors.



The first interfacing done was the interfacing of the DC motor. Participants were asked to try the programming and connections with a delay in the program. Most of the students were able to do the same. At 1:00pm participants were given a break for 30 minutes. The workshop began again at 1:30pm. The second interfacing was the IR sensor. The IR sensor program was explained by our speaker Mr. Akhil Menon. After IR sensor interfacing robot assembly was done. After the assembly participants were explained about the logic of going forward, backward, left and right. Participants were asked to try out the



programming of the same. At 4:00pm the workshop concluded with a group photo of participants and Mr. Akhil Menon.



ZINZOUT Workshop

ZINZOUT provides efficient high frequency Telelutions. ZinZout RF Solutions scanning receivers and test software provide real-world data for wireless network design, planning, deployment, optimization, and interference hunting. Wireless Product Development Center - ZinZout Connected Solutions offers planning, design, radio integration, testing, certification assistance, and manufacturing capabilities to help our customers bring high quality wireless products to market.They enlightened about Key Technologies which are MIMO Antenna, Metamaterial Based Antenna, Fractal Antenna Solutions and Reconfigurable Antenna. Performance Critical Solutions are SAR Reduction Solutions, Radar Cross Section Reduction Solutions, Mutual Coupling Reduction Solutions and Bandwidth Enhancement Solutions.



Microwave and Antenna Designing

BIG DATA Workshop



The workshop began with a short opening speech by vice-chairperson Aditi Garde at 9:00 am in reached Lab R-102 . At 10:00 am, the workshop was started by downloading HADOOP software. After that sir explained uses of hadoop, what can one do with it and rules for using hadoop. At 10:30, sir started explaining about data generation and

all about its history. At 10:45, basics , definition, storage capacity, statistical analysis and data centers were explained. At 11:10 , a hands-on workshop was started on hadoop. At 11:30, applications for hadoop were covered. At 11:40, students were given a break. At 11:55, they were introduced to the main topic called big data analysis and it went for a while. At 12:30, Prof. Gaurav sharma suggested some career options for students aspiring for jobs related to the topic. He mentioned all the courses and software to be known to have a career in these kinds of fields because big data is a very vast topic. At 1:00, the overall summary was covered to acknowledge the mindset of students. Workshop ended at 2:00 pm with an ending speech by our Staff Coordinator Prof. Padmaja Bangde and as a token of appreciation sir was presented with a Bouquet and a memento by our Staff Coordinator Prof. Meera. After the workshop a group photo was taken.





ISHRAE Events



Sr No	Event Name	Date
1	ISHRAE Publicity drive	19-7-2019
2	Installation Ceremony	3-8-2019
3	A Quest Exam Drive	7-10-2019
4	K-12 at Z.P School Panvel	14-9-2019
5	K-12 at Shri Sant Saibaba Vidyalaya	14-9-2019
6	K-12 at Z.P School	19-9-2019
7	IV at Advantek	14-9-2019
8	IV at Dry All	12-10-2019
9	IV at Zeco Aircon	25-1-2020
10	Science mela	25-1-2020
11	IV at Cipla	22-2-2020
12	K-12 at Nagarpalika School , Takka, Panvel	6-3-2020



Publicity Drive Report

The ISHRAE PCE Student Chapter committee carried a publicity drive at PCE, New Panvel on 19th July 2019 for second year mechanical and automobile students. This was an introductory drive to ISHRAE and scope and benefits at ISHRAE. ISHRAE PCE Student Chapter committee members and some previous senior committee members carried the drive.

Highlights :

- PCE Chapter committee members were leading the drive.
- Members from the previous committee also joined the drive to motivate students.
- The aim of this drive was to give introduction of ISHRAE and HVAC to Mechanical and Automobile Engineering students.
- BE Representative Aditya Barde talked about Industrial visits and various technical seminars and events at ISHRAE PCE.
- K12 Chair Ayush Raghavan talked in detail about K12 activity started by ISHRAE and its importance for engineering students.
- Secretary Aditya Sonavne shared his experience about the internship through ISHRAE and motivated students to join ISHRAE for HVAC industry career.
- President Elect Pranesh Chodankar gave an overall idea about National Student Design Competition (NSDC) and AQUEST conducted by ISHRAE every year.
- Senior committee member Mukhil Nair shared his experience in ISHRAE and how beneficial it is in his career ahead.
- President Akshay Gangadharan motivated the students to join ISHRAE and benefits of membership throughout the course for the students through his Speech.
- TE Representative Ojas Gawde gave a brief introduction of Job Junction and internship opportunities provided by ISHRAE.
- Jt. Secretary Manish Deshpande explained the online membership process of ISHRAE.

Membership chair Chandini Suresh thanked students and concluded the Drive.

Installation Ceremony Report

The ISHRAE PCE Student Chapter Committee, for the academic year 2019-20, was installed on 3rd of August, 2019. Mechanical and Automobile student members of PCE ISHRAE Student Chapter attended the installation ceremony. This year student members of Pillai HOC college of Engineering and technology, Rasayani too joined. Many dignitaries from ISHRAE THANE CHAPTER talked about various programs conducted by ISHRAE like K12 activities, IVs, Internships and Job Junction.



Event Highlights:

- Mr. Sanket Aradhya and Mr. Aditya Barde hosted the installation ceremony
- New student committee was installed by the Past President of ISHRAE THANE CHAPTER Mr. Nandakumar Mahajan.
- ISHRAE THANE CHAPTER student chair Ms. Hemalata Patil shared her experience of previous year committee's working and also discussed about IJJ.
- ISHRAE PCE STUDENT CHAPTER President Mr. Akshay Gangadharan and secretary Mr. Aditya Sonavane shared their experience with ISHRAE and their thoughts on the future endeavors.
- Respective thermal subject toppers were announced for their achievements in academics.
- Certified Energy Auditor Mr. Vishwas Naware was our keynote speaker. He talked about Energy-Audit.
- "Communique", a monthly e – Newsletter was officially released by its Editor-In-Chief, Mr. Sanket Aradhya
- ISHRAE PCE STUDENT CHAPTER's Faculty coordinator Mr. Avinash Shaligram delivered the Vote of Thanks and thereby concluded the program

AQUEST College Level Round

ISHRAE PCE Student Chapter conducted College level round on 7th October to select Four student members from PCE for Thane Chapter level round. Aquest is a national level quiz competition organised by ISHRAE and Powered by HITACHI every year. Aquest - The ultimate engineering face off is inspired by the famous Indian Television Show : Kaun Banega Crorepati and the hit American game show Jeopardy. After many rounds its final round is concluded at ACREX India, South Asia's largest Exhibition on Refrigeration and Cold Chain, Air-



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Conditioning, Ventilation and Intelligent Buildings Services. The top 3 teams of a quest are awarded with exciting cash prizes and some also get job opportunities with HITACHI.



Four Students were selected from the PCE Student chapter for the next round. Their names are as follows : Sujit Gate (B.E.), Samadhan Humbe (B.E.), Bhavik Chawla (T.E.), Ojas Gawde (T.E.)

K12 Activity held at Zilla Parishad School, Vichumbe

ISHRAE PCE Student Chapter members organised a K12 activity on 19th October, 2019. The event started at 9 am in the morning. There were about 20 members of the ISHRAE chapter which took part. All together 5 groups of students were formed, consisting of two or more members. Various Science experiments related to Air pressure, Vacuum, Light particles, etc were performed. Also many types of Non-Stem activities were performed. The Event was concluded by 10:45am and all student representatives volunteered for the K12 program, expressed their gratitude towards the school management and thanked them on behalf of the Student Chapter.





K12 at Shree Santha Saibaba Vidyalaya

The K12 was planned on 14th September, 2019 at Santha Sai Baba Vidyalay, which is located opposite to the post office sector-19, New Panvel East, Navi Mumbai. The school has classes till 7th standard. All the student members were accompanied by ISHRAE PCE committee members. There were a total of 26 students for the K12 activity. They were divided into groups of 3/5 students each. Classes from 5th standard to 7th standard were allocated. Each group had selected a topic in advance with well-versed preparation. All the students from the school enjoyed the K12 activity session. Students from the school were very much excited about the K12 concept. Many doubts were asked by the school students and all were cleared with enthusiasm by our ISHRAE Student Members. The staff of the school was also very cooperative and were actively involved in the activity. The science models made by members were extremely elaborative and excellent in terms of explaining concepts. Lastly we handover some goodies to the principle of the school which helps the students in their studies and extracurricular activities.

K12 at Z. P. School, Vichumbe

The K12 was planned on 14th September, 2019 at Zilla Parishad School Vichumbe, which is located near Gram Panchayat Office, Panvel. The school has classes till 7th standard. All the student members were accompanied by ISHRAE PCE committee members. There were a total of 10 students for the K12 activity. They were divided in groups of 2 or 3 students each. They were allotted classes from 4th standard to 7th standard. Each group had selected a topic in advance. All the students from the school enjoyed the K12 activity session. Students from the school



were very much excited about the K12 concept. Many doubts were asked by the school students and all were cleared with enthusiasm by our ISHRAE Student Members. The staff of the school was also very cooperative and were actively involved in the activity. The K12 sessions were very interactive. The science models made by members were extremely elaborative and excellent in terms of explaining concepts. Lastly some goodies were handed over to the principle of the school which will help the students in their studies and extracurricular activities.



Visit to Advantek Air Systems

The visit was planned on 14th September 2019. The students were taken to the site via train and bus organized by the committee of ISHRAE PCE Student Chapter. On reaching the company, students were greeted by the company's SR. Manager (Design-Developments) Mr. Rohan Mohite who wholeheartedly welcomed them and gave a brief introduction about the company and the basics of the Air Handling Unit (AHU) and its components. There were 20 student members accompanied by faculty members Ms. Hemalata. It was a great experience for all the members who attended the IV. They got many new things to learn related to AHU through the visit and seemed to develop more interest in this field. At the end Ms. Hemalata delivered a vote of thanks to the employees and staff members of Advantek for making time out of their busy schedule.

Visit to DRY ALL

Visit to DRY ALL was planned on 12th October 2019. Students were taken to the site via train organized by the committee of ISHRAE PCE STUDENT Chapter. There were 32 student members who were accompanied by Prof. Pruthviraj Rahane. The students had a company employee Mr. Devanand Magar who guided the students through the manufacturing of Filter Drier, Oil Separator etc. He explained the complete process of refrigeration first, then they explained the working of individual parts like condensers, compressors, evaporators and after this they introduced the function of the parts like oil Separator, Filter Driers, Suction Accumulator, Refrigerant Receiver. The students were introduced to processes like MIG welding, Brazing, Bubble test, Shot Blasting, Powder Coating etc. The parts are purchased from other companies which are Designed by the company and assembly is done. For testing purposes bubble testing is used.

Visit to ZECO Aircon Ltd.

The visit was planned for 25th January, 2020. The company's workshop and office was relocated and reconstructed according to international standards about 3 years ago. There were 15 student members who were accompanied by Prof. Divesh Modi. The industry arranged a small seminar about the introduction to the company and to their products and services. In this tech talk Mr. Vikrant shared with the students the company's history and progress. He gave students detailed information about different products manufactured in company, their classification according to construction and working principle, construction and working of different AHU's, their efficiencies and also about different products manufactured in company like ducts, coils and pre insulated pipe.



Science Mela

This science mela was organized by ISHRAE THANE CHAPTER and ROTARY CLUB of Thane North. on 25th January 2020. The distinguishing characteristic of a science mela is that project entries employ the scientific method to test a hypothesis. Science mela are not exhibits or mere displays of projects. Students present their science project results in the form of a report, display board, or models that they have created. Science mela allows students in elementary, middle and high schools to compete in science and/or technology activities. The goal of a science mela is for students to answer a question based on a hypothesis. Students often work on science mela projects in addition to their school work. Therefore, most science mela entries are usually modified versions of existing experiments.

Visit to Cipla Unit II

Visit to Cipla was planned on 22nd February 2020. The company consists of Pharmacists and engineers from Chemical and Mechanical background. Students were taken to the site with a special bus arranged by ISHRAE PCE Student Chapter. Reaching at the company students were greeted by Mr. Sandesh sir and Mr. Navketan sir who heartily welcomed and gave a brief introduction about the Cipla and the Cipla Rasayani Plant. There were 35 ISHRAE student members accompanied by Prof. Pruthviraj Rahane for this visit at Cipla, Rasayani. Mr. Manoj Dorlikar Sir also accompanied, guided the students and took the feedback and cleared the doubts about the administrative flows and manufacturing program. The IV was a great experience and a new perspective for the students. Students learned about the various applications of HVAC in pharmaceutical companies. The career opportunities in a pharmaceutical company, for the students who aim for the HVAC field, were explained and it was a whole new point of view for students.

K12 at Panvel Mahanagarpalika School

The K12 was planned on 6th March, 2020 at Panvel Mahanagarpalika School, which is located at Takka, Panvel. The school has classes till 7th standard. All the student members were accompanied by ISHRAE PCE committee members. There were a total of 17 students for the K12 activity. They were divided in groups of 2 students each. The committee were allotted classes from 3rd standard to 7th standard. Each group selected a topic in advance.

Some of the topics / concepts explained by various groups were:

- Fire Triangle
- Magnet & Magnetic field
- Mathematical Tricks
- Archimedes Principle
- Presence of Oxygen



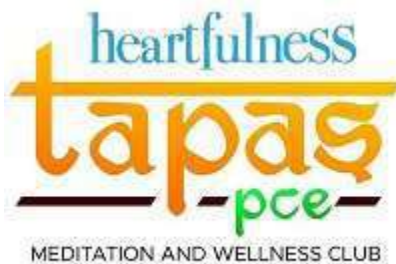
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All the students from the school enjoyed the K12 activity session. Students from the school were very much excited about the K12 concept. Many doubts were asked by the school students and all were cleared with enthusiasm by ISHRAE Student Members. The staff of the school was also very cooperative and were actively involved in the activity.



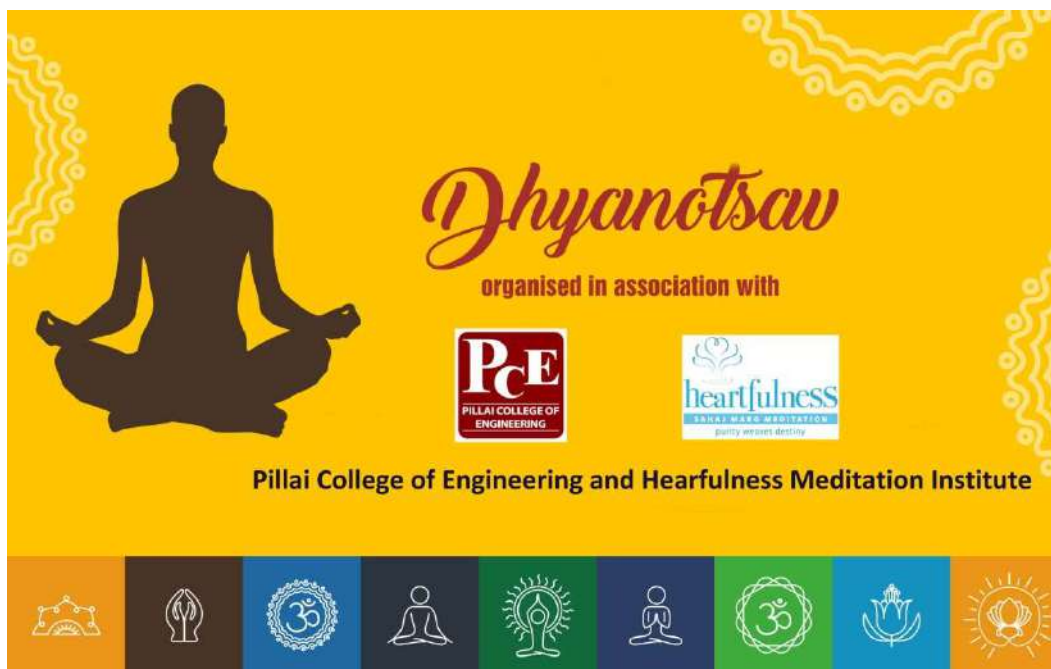


TAPAS Events



Sr. No.	Event	Duration / Date
1	Dhyantsav	11th, 12th and 13th September 2019
2	Follow up meditation sessions	2 months (Jan 2020 to 1st week of March 2020)
3	Remote meditation sessions	23rd march 2020 to till date

Dhyantsav



Dhyantsav is a Meditation event which was organized at Pillai College of Engineering, with the help of Heartfulness institute for relaxation, meditation and rejuvenation/cleaning practices. This event was divided into a three days program. Volunteers from Heartfulness institute conducted two sessions for two different batches each day. Each session was of one and a half hours. Venue



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for the event was the 7th floor auditorium Pillai College of Engineering. Second year engineering students from all branches attended the sessions and were benefited. Event was organized and volunteered by the members of student body Tapas PCE. The event commenced on the 11th of September 2019, at 2:00pm with inauguration and felicitation ceremony.

Meditation Team,
Dr. Nivedita Shreyans
Mrs. Madhura Vyawahare

Tapas Members,
Rahul Warriar
Omkar Jadhav
A Krjeev Romax





Follow up meditation session

Meditation sessions were conducted every week. Slots were identified for students after completion of their academic schedule of the day. Three slots were identified: 1st slot on wednesday morning 9.30am to 10.00am 2nd slot on thursday evening 4pm to 5pm and 3rd slot thursday evening 5pm to 6pm. Sessions included relaxation activity of 10 mins followed by meditation. After the meditation session some fun games were planned.

Organized by: TAPAS students group

Conducted by: Prof. Madhura Vyawahare and Prof. Shilpa Mondkar

Remote meditation sessions

Due to the sudden lockdown the usual practice of meditation couldn't be continued. Students of TAPAS came up with an idea of conducting online remote meditation sessions for all students of PCE. Whatsapp group was created for all the members willing to attend remote transmission based meditation. Everyday 4.00pm to 4.30pm the meditation session is being conducted. With the popularity many members outside PCE also joined the group. Many students and faculty members also included their family members as a part of the group and got benefited. To train every newly joined member initially voice based commands were shared with all through the group. The practice of daily meditation has benefited all in the group. A very positive feedback is received from all.

Sessions are conducted by faculty of pillai college group who are also certified meditation trainers of heartfulness institute: Dr. Nivedita Shreyans, Prof. Madhura Vyawahare, Prof. Shilpa Mondkar and Prof. G.V. Patil.



Hyperion Racing Team Events





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Achievements - 2019-2020 Academic Sessions

1. Formula Student Bharat 2020
 - a. Overall National Ranking: 32 out of 72 teams
 - b. Design Engineering Event Ranking: 19 out of 72 teams
2. Champions of Champions 2019 (Organized by I.S.I.E India)
 - a. Design Engineering Event Ranking: 2nd
 - b. Business Plan Presentation Ranking: 3rd
 - c. Overall National Ranking: 5th

Member List

Kedar Mule - Team Captain
Suyash Potdar - Team Vice Captain
Vedang Patil - Team Vice Captain

Department Heads

Varun Chakravarthy	- Electronics
Vedang Patil, Suyash Patil	- Powertrain
Pranay Dhoke	- Braking
Rishikesh Mane	- Chassis
Suyash Potdar	- Vehicle Dynamics
Vignesh Nayak	- Administrative

Final Year Members

Kedar Mule, Rushikesh Kudale,
Anirudh Deshmukh, Vedang Sunil Budukh, Suyash Potdar - Vehicle Dynamics
Varun Chakravarty, Aakash Sharma - Electronics
Vignesh Nayak - Administrative
Vedang Vijay Patil, Suyash Patil, Ashitosh Kadam, Nikhil Kishore Patil - Powertrain
Pranay Dhoke, Jinal Gohil - Braking
Subhash Odiyar, Hrishikesh Panchal, Rishikesh Mane - Chassis

Third Year Members

Ashish Pawar -	- Braking
Tanmay Sharad Kondalkar	- PowerTrain
Aditya Vipin, Siddharth Nair	- Electronics
Tejas Wavhal, Prathamesh Tandel	- Chassis

Second Year Members

Himanshu Chaudhari, Akshat Pandey, Amey Gaikwad	- Vehicle Dynamics
Ashwin Nair, Akash Kishore	- Powertrain
Abhilash Nair, Keyur Shah, Deepak Kanujiya	- Chassis
Husain Nandurbarwala	- Electronics
Kaustubh Nagvekar, Deepak Vishwakarma, Yashwanth Burra, Shankar Panikar	- Administrative
Rohan Abraham, Preet Patil	- Braking



Spark Racing Team Events



Cleared 1st level i.e. FORMULA BHARAT 2020

Quiz competition

Date :-9 June 2019



The team successfully cleared the 1st level of Formula Bharat 2020 by clearing the quiz to enter FB2020 competition which was going to be held in Coimbatore in January 2020. A group of 16 members was recruited by the team at the end of odd semester exams from the mechanical and automobile department. The team ranked 17th among the top 20 participating teams. After that it made plans for crowdfunding to build the car and to pay the competition fee which was around 1,02,000 Rs.

Recruitment of New Members

Date: July2020

After college reopened the team started recruiting students from 1st, 2nd and 3rd year from EXTC, ETRX, AUTO and MECH department. Large number of students responded to this recruitment positively and the team introduced the interested students to the team activities. Department heads explained each of their department in depth to the new recruits. The new members were given the information about the competition in which the team is participating. A small oral test on FB2020 Rulebook was organized after a few weeks with passing criteria of 60%.



Designing of New Chassis and some Minor Parts

Date: August 2019

As the maximum number of teammates was new to the team and no idea of actual designing and manufacturing procedures, the team planned to use components designed by the previous team and to study these components. The previous chassis was not according to the rules of FB2020 rulebook so manufacturing



of the chassis and starting the powertrain was the first aim and hence the team started working accordingly. There were also some minor parts that needed to be redesigned so the other departments also started working accordingly.

Issue related to Powertrain

Date : September 2019

Around 35,000 Rs from was collected through crowd funding which were not sufficient to build the car so they planned that, till the powertrain gets started they will not enter manufacturing of the chassis. Since the electrical department did not have any senior members, hence the ex. members were called to introduce the electrical department so they can work accordingly. The main issue was that the motor controller was not compatible with the motor. After many attempts the electrical department. has not been successful to clear the issue.

Trying to solve the motor and motor controller issue

Date: October 2019

The team did not actually know the problem with the powertrain so it tried taking some help from experts who had worked on electrical motors and controllers. For this purpose they had taken the battery, motor and controller to Chembur to an expert in electric cars by taking legal permissions from college. The experts said that they needed some time to study the powertrain so the team decided to keep our components at their place. The components were at their place for about one month but, unfortunately they were also not able to identify the issue.

Figured out the issue of the Powertrain

Date: November 2019

By mid –November the team was successful to figure out the issue with the guidance of an expert in Pune for this purpose some teammates went to Pune with motor and controller to their place. They concluded that the motor controller had some firmware issue. After that they tried



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contacting the company of the motor controller in China via emails but there was no positive response from their side. They had only one way left to buy a new controller, but due to insufficient funds they finally planned to drop the decision of participating in the competition in spite of clearing all the design reports as the chassis was also not manufactured and few months left for the competition.



Test setup at Pune

Preparing for the NAAC visit

Date: December 2019

NAAC visit was scheduled in the month of January. Hence the team was required to represent the team to the NAAC committee. The car was then assembled and was kept ready to be presented.



Team explaining the details to the committee Members



Vanguard Racing Team Events

The Vanguard Racing Team is a group of undergraduate students committed to engineering excellence and achieving groundbreaking success. It's a diverse group of students all working towards a successful season made up of designing, building, racing and presenting an off road vehicle. Being part of the team is completely voluntary and allows members to apply concepts taught in the classroom to tangible challenges. Team undertakes entirely student managed projects involving designing, fabrication, assembly and testing of a car besides project management, sponsorship, marketing and web designing. The team structure is as follows:



VRT 01

In the first project 17 students were part of the team which develop an IC engine based race car and successfully participated at international level in competition BAJA 2K17 which is held at South Africa. It was organized by Society of Automobile Engineers - South Africa. Total 15 teams from prestigious universities of South Africa, Australia, Newzeland, India were registered in the event. The team successfully secured 5th position in the Baja SAE South Africa event, being a first year team which is great step towards successful years ahead.



VRT 02



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In the year 2019, team participated in ESI 2K19. Due to technical difficulties they were unable to complete the event, although the team successfully secured 74th rank among all the teams.

List of the members/Details of the committee 2019-2020

Sr. No	Name of the faculty advisor	Department	Portfolio
1	Dr. Divya Padmanabhan	Automobile	Advisor
2	Prof. Vaishali Kumbhar	Automobile	Advisor

Sr. No	Name of the student	Class	Department	Designation
1	Raman Bonde	BE-Automobile	Component Design	Head
2	Aditya Kurhade	BE-Automobile	Marketing	Head
3	Prathamesh Rane	BE-Automobile	Component Design	Member
4	Roshan R.K	BE-Mech-B	Marketing	Member
5	PratikshaShirke	BE-Mech-B	Powertrain	Head
6	NilimaPatta	BE-Mech -B	Powertrain	Member
7	Piyush Rajpal	BE-Mech-A	Vehicle Dynamics	Head
8	AbhirajIndulkar	TE-Mech-A	Braking	Member
9	Aakash Ramakrishnan	TE-Mech-A	Powertrain	Member
10	AnanduThankappan	TE-Mech-A	Braking	Member
11	Bhushan Gawand	TE-Mech-A	Component Design	Member
12	Aniket Nikam	SE-Automobile	Component Design	Member
13	TanishKaler Singh	SE-Automobile	Vehicle Dynamics	Member
14	AdinathBhor	SE-Automobile	Braking	Member
15	Adnan Khan	SE-Automobile	Chassis	Member
16	Aman Vishwakarma	SE-Automobile	Vehicle Dynamics	Member
17	MohitSakhare	TE-Mech-B	Chassis	Head



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Design of 2019 Car:

The vehicle implements conventional powertrain which involves a sophisticated arrangement of Engine, Transmission, CVT, axel, to give required performance. For this car the team have used Two stage Gearbox, made up of aluminum alloy with gear ratio 11.43. Major changes made are as follows

- Weight reduction
- Use of “Two stage gear box”
- Modified body design
- Body panel material
- Increased strength
- Reduced overall cost



CAD Model



Frame Assembly
VRT 03



Wheel Assembly

The designing work of VRT 03 started from December 2019 and major designing is completed by mid-February. Currently project is in fabrication phase and nearly 70% fabrication is complete with major parts done. Work already accomplish is as follows:

- Roll-cage fabrication
- Spot welding of mounts
- Suspension H-arms fabrication
- Mounting of dampers
- Mounting of steering rack
- Testing of engine
- CNC-machining of uprights and hubs

Team was ready to Face-off and successfully registered with Mega ATV championship, but due to COVID-19 situation, event has been postponed.



NSS Events



Activites Carried Out

SN	Activities	Date
1	NSS-PCE Inauguration	24 th September, 2019
2	Plastic Waste Awareness Drive	5 th October, 2019
3	Donation Charity Event	16 th October, 2019
4	NAAC Visit	6 th December, 2019
5	PMC Mini marathon	14 th December, 2019
6	Chikhale Village Adoption	17 th December, 2019
7	Tree Plantation and River Cleaning Alegria event	11 th January, 2020
8	Participation in Unnat Bharat Abhiyan 2020	18 th January, 2020
9	Soch Alegria	4 th February, 2020
10	Participation in MES Convocation event for 2019 Graduates	15 th February, 2020



Inauguration event on NSS Day



Team NSS

On 24th September 2019 i.e. on NSS day the inauguration of NSS team was held in the presence Principal, NSS-PCAS in charge and few other faculty members. They were facilitated with flower pots and had a brief discussion over the future activities and duties the members were about to handle.



National Anthem and NSS Song



Felicitation of senior faculty members and NSS-PCE propoganda discussion

The National Assessment and accreditation council visit



NSS Parade



Annual Report 2019-20

On 6th December 2019 NAAC members visited our college for evaluation, the entire event was handled by NSS-PCE unit. our volunteers were present while the NAAC members inspected the college and the hard work resulted in a sheer contribution for an outstanding A+ grade.

PMC and NSS-PCE collaborative Mini Marathon



A still from the aftermath of marathon completion

On 14th December 2019, NSS unit collaborated with Panvel Municipal Corporation in arranging a mini marathon. Team volunteers helped with distributing refreshments to the participants and keeping track to avoid and counter any casualties.



Visit to Chikhale village



On 17th December 2019, Team in charge professor Bhagwan more and NSS volunteers visited our adopted chikhale village to attend a meeting with the village's gram Sabha.

Participation in Soch Alegria





Annual Report 2019-20

On 4th February 2020, the team participated in the soch Alegria event held by team Alegria where various NSS teams participated explaining the activities they arranged in their yearly concourse. NSS PCE bagged the first place in that event.



Q&A Round



Certificate



Team Members with Faculty Advisor Prof. Archana Ingole



MES Convocation event of 2018-19 batch



On 15th February 2020, our team collaborated with MES in the convocation event of 2019 graduated students. We had a parade with respect to the chief guest, Dr KM Vasudevan Pillai, Principal and vice principal of PCE and PCACS. Our team made sure the event ran smoothly.



NSS-PCE volunteers



Guest of honor Mr. Shailendra Singh



Social Events

International Yoga Day

On the occasion of yoga day, Heartfulness institute in coordination with Pillai College of Engineering conducted a 3 days wellness fest on 21, 22 & 23 June 2019. For all three days, morning and evening sessions were conducted. Venue for the fest was CIDCO Exhibition & Convention Centre, Vashi. Morning session timing was 10.30am to 12.30pm and Evening session timing was 6.30pm to 8.30pm. In each session following activities were conducted: Heartfulness guided relaxation, Heartfulness Meditation, Karayobics, Brighter Minds Brain exercises, Yoga, Mudras and fun based children's activities. The event was open for all and more than 500 people took advantage of the event.



Inauguration



Wellness Festival at CIDCO Exhibition, Vashi



Maharashtra Flood Relief

MES and the Pillai Group of Institutions stand with the people of Western Maharashtra in their time of need due to the catastrophic flood situation. PCE therefore, request all the heads, teachers, staff and students to contribute to the Flood Relief Operations in any form possible. Few items were listed that would be of immense help to the people of Maharashtra. The collection drive took place from the 13th to the 17th of August at the Main Reception Area of the Pillai Panvel Campus. All were encouraged to contribute to this cause. All were requested to do their part in helping the people of Maharashtra.

**Mahatma Education Society's
Pillai Group of Institutions**

Pillai Group of Institutions is organizing a collection drive across all its campuses to help the people in Western Maharashtra to recover from the disastrous impact of the flood. The collection drive starts on 13th August 2019. We have listed a few items that would be of immense help to them.

STAND WITH WESTERN MAHARASHTRA

HOW CAN YOU HELP
Donate anything you can from the list mentioned below.

WHEN & WHERE
13th August - 17th August at
Pillai College, New Panvel, Reception &
Pillai HOC College, Rasayani Reception

ITEMS NEEDED

Pulses and Cereals	Blanket towel	Megadox 200 mg tablets
Rice & Oil	Empty puffs	ORS glucose sachets
Onion & Potatoes	Sugar platter	BTI powder
Mineral Water	Cups/Glasses/Spoon	BTI liquid
Good clothes	First aid box	Mediclore
Sanitary napkin	Diclozem tablets	Temiphos liquid
Biscuits	Paracetamol tablets	Cloriwat
Food Bags	Sandox CP 200 mg tablets	Doxmo 200mg tablets



Plastic Awareness Drive

Mankind has disturbed the pristine nature of life on earth to an irreparable extent. The resulting environmental problems have blown out of proportions due to the reckless use of non-recyclable man made materials such as plastic. Encouraging minimal use of plastic and observing a total ban on single use plastic is the need of the hour. This is a first step in our global effort for cushioning the environmental impact of plastic.

In line with this ideology, on the 5th of October, 2019, Pillai College of Engineering, New Panvel in association with ICPE (Indian Centre for Plastic in Environment) , BIOCRUX India Pvt. Ltd., RELIANCE Industries Ltd., National Service Scheme volunteers, STREE MUKTI SANGHATANA (NGO) and Panvel Municipal Corporation (PMC) conducted “Plastic Awareness Program”. There were a total of 500 students from the First Year Engineering course at PCE guided by 50 NSS volunteers took part in the massive cleanliness drive and collection of waste materials in Panvel .

Competition often helps to bring out the best in an individual. With this objective, PCE distributed prizes for the winners of 1st, 2nd, and 3rd positions, based on the amount of solid waste collected, by the respective groups.

NGO like STREE MUKTI SANGHATHAN working in the domain of collection and recycling of plastic and solid wastes helped in the weighing and segregation of the collected solid waste.

The function was presided by the Honorable secretary of ICPE Dr. Swapan Ray, Mr. Ajay Mishra (Managing Director of BIOCRUX India Pvt. Ltd.), Mr. Bharat Mehta (President of RELIANCE PET division), Dr. Sandeep Joshi, (Principal), Dr. Arun Pillai and Dr. Biswajit Panda (Event Coordinator).

The repercussions of this initiative will resound in every participating student, habituating him/her, to minimize the use of plastic. Through such activities, PCE is indeed making environmentally conscious engineers, by training them to find solutions that have minimal impact on the ecology.

The highly successful activity is a small step in the making of Clean Panvel! Green Panvel.



Photos of Plastic Awareness Drive



Walkathon For Corruption Free India Vigilance Awareness Week

Mahatma Education Society's Pillai Group of Institutions organises Vigilance Awareness Week in collaboration with Oil and Natural Gas Corporation Limited organises Walkathon for Corruption-free India - Vigilance Awareness Week on 15th October, 2019 at 7:30 a.m. followed by Essay Writing & Elocution Competition 2019 on 15th October, 2019 at 7:30 a.m. onwards at Dr. K. M. Vasudevan Pillai Campus, Sector 16, New Panvel.

ओएनजीसी
ONGC

PILLAI GROUP OF INSTITUTIONS | SINCE 1970
Pillai
Pillai Institute of Management Studies & Research

Oil and Natural Gas Corporation Limited

in collaboration with

Mahatma Education Society's
Pillai Group of Institutions

organises

Vigilance Awareness Week

Join us for a

**'Walkathon for Corruption-free India
followed by Essay writing & Elocution Competition 2019'**

On 15th October, 2019 at 7:30 am onwards

Dr K. M. Vasudevan Pillai Campus, Sec-16, New Panvel



Jumble sale

Jumble Sale was organized in the Pillai campus on 16th October 2019. It is a activity organized in collaboration with Soroptimist International Bombay Chembur, where the faculty and students of PCE are requested to donate in kinds like clothes, toys, household items etc. and an exhibition cum sale of the same is organized in the campus. The nearby locality visits the exhibition and can purchase the items at very nominal cost. The funds raised are utilized during community service day.

JUMBLE SALE 2019

*Kindly deposit your contributions at the
Panvel Campus Reception
by 11th October 2019*

Venue
Dr. K. M. Vasudevan Pillai Campus,
Sector 16, New Panvel - 410206

Date
16th October 2019

Time
11.00 a.m. to 05.00 p.m.

Donate generously for a good cause.



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Tree Plantation Drive and River Clean Drive

A tree plantation drive followed by a river cleaning drive was organized on 11th January 2020 in collaboration with the volunteers of Alegria council and NSS-PCE.

Around 150 students took part in the event held at CIDCO garden, sector 16, New Panvel and Podi Visarjan Ghat, Sector 15, New Panvel.

The main aim of drive was to raise awareness on the need to protect the environment from further pollution. The committee member briefed the students about the drive and divided them in groups to plant 50 saplings. All volunteers dugged into the soil using shovels one by one under the guidance of garden care taking authorities with proper safety measures. The chief guests for the event were Tejas Kandpile, Panvel Muncipal Corporation (PMC) corporator; former corporator Subhash Bhujbal; Gourav Hingane, assistant engineer with CIDCO Panvel; Shailesh Gaikwad, health inspector at PMC; Arun Kamble, sanitary inspector PMC; and Rakesh Bhujbal at PMC. College faculty Bhagwan More felicitated the guests.

After the plantation drive, students took part in the river cleaning drive. The students and PMC Cleaning Team joined hands to clean the river. All volunteers cleaned the river coast gathering waste material like plastic, glass, papers, sacks etc. Proper safety measures were taken with usage of gloves and mask for protection. At the end few officers were invited to check the work done and they applauded for the co operative efforts applied by the entire team. The collected trash was sorted in two different bins; one for biodegradable and one for non-biodegradable waste. Refreshments were provided to all and it was emphasized that all participating volunteers were safe during the entire event. The program concluded with all the participants taking an oath to protect the environment.

TREES PLANTED, RIVER CLEANED AS PART OF FEST



The students joined hands with Pnavel Municipal Corporation cleaning team to clean the river.

MUMBAI: As part of the annual fest of Mahatma Education Society's Pillai Institutes, Alegria, students and teachers organised a tree plantation drive followed by a river cleaning drive. Around 150 students took part in the event held at CIDCO garden, sector 16, New Panvel and Podi Visarjan Ghat, sector 15, New Panvel.

The main aim of the drive was to raise awareness on the need to protect the environment from further pollution. Alegria organising

committee member Sahil More briefed the students about the drive and divided them in groups to plant 50 saplings. The chief guests for the event were Tejas Kandpile, Panvel Municipal Corporation (PMC) corporator; former corporator Subhash Bhujbal; Gourav Hingane, assistant engineer with CIDCO Panvel; Shailesh Gaikwad, health inspector at PMC; Arun Kamble, sanitary inspector PMC; and Rakesh Bhujbal of PMC. College faculties

Deepika Sharma, Bhagwan More, Celina Joy, and Betty Sibil felicitated the guests.

After the plantation drive, students took part in the river cleaning drive. The students and PMC Cleaning Team joined hands to clean the river. The collected trash was sorted in two different bins; one for biodegradable and one for non-biodegradable waste.

The programme concluded with all the participants taking an oath to protect the environment.

Article in Daily News Paper



Community Service Day 2020

Mahatma Education Society's Pillai Group of Institutions observed Community Service Day on 25th January, 2020 by inviting over 800 residents from various orphanages, destitute homes, old age homes and shelters for tribal and street children to their sprawling Panvel Campus where they were treated to a memorable day of food, fun and learning. The staff and students of the Pillai group curated many fun activities, competitions and games and it was heartening to see the guests enthusiastically participate in all of them. Each guest was given specially designed towels, blankets and coffee mugs as gifts. Mahatma Education Society continues to associate with these organizations and nurture them at an institutional level year after year to improve their quality of life. This unique and innovative community service program provides staff and students an opportunity to serve the underprivileged in society and sensitize them to the various problems faced by them.

This year, the day began with the release of a bunch of fifty balloons in the Campus Quadrangle amidst cheering students to symbolically depict the jubilee celebrations of Mahatma Education Society's Pillai Group of Institutions. A tiny seed that was planted 50 years ago in 1970 by the visionary Dr. K. M Vasudevan Pillai, Founder of Mahatma Education Society, today provides shelter, sustenance and livelihoods to thousands of students and staff who have walked through its annals while changing the landscape of areas where its campuses are located. The formal inaugural ceremony had Rev. Dr. Barnabe Dsouza Sdb, Director of Salesian Facilitating Services for Strategy and Planning for Don Bosco, International as the Chief Guest for this day.

Congratulating the Pillai Group for its yeoman service to society, Fr. Barnabe said that it is initiatives such as these that will sensitise the youth towards the marginalised people in society and encourage them to work in this direction. Having worked with marginalised communities for over three decades he spoke about the challenges faced in this sector and urged everyone to be more inclusive in their approach and action.

Fun activities like Singing, Dancing, drawing, painting and sketching were organised for the younger children whereas singing and dancing programs were arranged for the elderly. Everyone enthusiastically participated and there was an air of fun and happiness. They were served tea and snacks along with a gift for everyone. The students and faculty also had a great time interacting with everyone.

By 5.30 p.m. the college buses dropped everyone to their respective destinations. This ended a fulfilling day which will remain in the hearts and minds of the guests for a long time. Our institutions will continue to stay in touch with these organisations and offer support and work towards the betterment of society.

In her inaugural welcome address, Dr. Daphne Pillai, Chairperson of Mahatma Education Society, mentioned that one of the key goals of Mahatma Education Society is to expand its community service activities on a massive scale to help reach out to many disadvantaged members of society and inculcate a sense of pride among students and faculty members in serving the less fortunate in society.



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Guests having lunch at Pillai Campus



Celebration of Community Service day



Uber Rang 2020

PCE celebrated “Uber RANG 2020”, on 25th Jan 2020, the Annual Talent Show of MES on Saturday, 25th January, 2020 at Dr. K. M. Vasudevan Pillai Campus, Panvel. The Community Service Day ended with the fundraiser talent show, UBER RANG held in association with Times of India. Uber Rang is an inter MES institution fundraiser talent competition to promote the activities associated with Community Service day conducted every year by the Pillai group of Institutions. Every year, after the observance of Community Service Day in the morning, students from across the MES institutions work together to create a dazzling display of young talent. All the surplus generated at the UBER RANG festivities is used for the affiliated NGOs at the annual MES Community Service Day thus involving students towards helping the lesser fortunate section of the society and spreading the message of compassion and empathy.

This talent show, in its eighth edition is a platform for students to showcase their multifaceted talents to a large audience and generate funds for community service. The three-member jury consisted of Mr. Rakesh Pandey, Deputy Chief Manager, the Times of India, Ms. Riya Rathod, Miss Mumbai 2018 and Campus Princess 2019 and Mr. Tajinder Singh, noted singer, composer and a finalist on the Indian Idol Season 9 Show. The event was a huge success as over 135 students showcased their unique talents to a packed audience of over 500 faculty, parents & students. The performances ranged from skits, singing and dancing to group performances in various forms viz. Indian fusion, western dance, classical performances, table recital, folk dances, band music etc. The winners were given trophies and cash prizes.

During the break, a carnival parade conducted by over 100 students showcased the journey and accomplishments of the Mahatma Education Society’s Pillai Group of Institutions over the last five decades; a resplendent journey from a single school to a multi-institution group, currently housing 35000 students annually.

Speaking on the occasion, Dr. K. M. Vasudevan Pillai, CEO of the Pillai Group of Institutions mentioned that it was the philosophy of Mahatma Education Society to provide a platform for students to exhibit their talents and that too with a focus towards a charitable cause. He spoke about the students’ participation in various community development programs, which include teaching in the nearby villages, planting trees and actively participating in cleaning the environment.



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The Winners of Uber Rang 2020 were:

School Category (Std. 8th - 12th)		
1st prize Solo	MSAS School	Semi-classical Dance
2nd prize Solo	MSAS School	Singing
1st prize Group	HOC International School	Folk Dance
2nd prize Group	MSAS School & Junior College	Lezim Dance
College Category		
1st prize Solo	Pillai College of Arts, Commerce & Science	Singing
2nd prize Solo	Pillai College of Engineering	Semi classical dance
1st prize Group	Pillai College of Arts, Commerce & Science	Bollywood Dance
2nd prize Group	Pillai College of Arts, Commerce & Science	Theatre Drama

Each winner was awarded a trophy by the judges. The show ended on a happy note with the group picture of all the winners along with the judges and the Pillai family.



PCE Students Performing at Uber RANG



Felicitation of Dr. RIK Moorthy





Unnat Bharat Abhiyan Activity

5 Village Survey

A) Village Information Survey

1. Display of Banner
2. Meeting with village officials
3. Briefing about aims and objectives of UBA
4. Creating awareness about the partnership with technical Institute Pillai College of Engineering, New Panvel.
5. Discussed strengths and expertise of the institute.

Data collection as per the form given by UBA officials

A Interaction with local government Officials:

Pillai Faculty coordinators visited respective villages and interacted with Sarpanch, Deputy Sarpanch and Gramsevak (Village authorities). Also actively attended and monitored Survey Activity with students.

Students Role during Survey :

1. Briefing about aims and objectives of UBA
2. Creating awareness about the partnership with technical institute, Pillai College of Engineering, New Panvel.

With great enthusiasm and spirit for social cause ,students conducted a survey.The guidelines of village lanes had been provided by Village officials.

Data collection has been done as per the form given by UBA officials





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Photographs of the event



Yoga Classes at Pillai's Campus

Pillai College of Engineering in its efforts to contribute to society welfare has been conducting Yoga classes in morning and evening session for people in and around Panvel. Daily classes are conducted at Pillai's Campus New Panvel. Adding Yoga to daily lifestyle not only enhances physical strength but also contributes largely towards your mental health and spiritual growth. The classes are conducted by trained professional and have benefited many attendees. Yoga has immense benefits, to list a few are better posture, Increased blood flow, Improved heart health, Lowered blood pressure, Relaxation and sleeping aid, Reduced digestive problems etc. Some pics of the classes are as below.





Protective Face Shields & Mask Strips

3D printing industry is helping to fight COVID-19 Worldwide. Companies like STRATASYS & HP are making best use of their resources to produce Face shields, masks & other medical/safety aids to help officials. 3D print face shields can provide safety to our medical staff (local hospitals) and Police officials from COVID-19. Pillai College of Engineering has advanced manufacturing facilities in makers' studios like CO₂ LASER Cutting, 3D printing which can be utilized for manufacturing Protective Face shields & Mask strips. Design modifications, raw material requirements & distribution over the Mumbai MNR region is managed by MES Faculty members, Mr. Prashant sharma (Alumni, PCE New Panvel) in collaboration with Stratagem Paramount.

Total No of Face Shields & Mask holders manufactured: 500+

Materials Used: CO2 Laser - Acrylic, foam board, MDF - 3mm to 7 mm
3d Printing - PLA - 2.85 mm dia

Dispatch details:

Sr. No.	Details	Count	Contact Person	Date of dispatch
1	Gurdwara, New Panvel	10 Face shields 05 Mask strips	Sukhdeep Singh	15 th April
2	Murbad Health Department & Police	50 Face shields 10 Mask strips	Chetan pawar	18 th April
3	Navi Mumbai Doctors Association	100 Face shields	Prashant Sharma	20 th April
4	Rasayani Police Station	100 Face shields	Sreerag varma / Lata Madam	22 nd April
5	Khandeswar Police Station	100 Face Shields	Rajkumar	26 th April
6	Panvel Municipal Corp.	50 Face shields	Sukhdeep singh	
7	RPF - Panvel	50 Face shields	Sreerag Varma	30 th April
8	Priam Pillai Sir	10 Face shields	Sreerag Varma	2 nd May



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Laser cutting



3D Printing

महाराष्ट्र शासन वैद्यकीय अधीक्षक, ग्रामीण रुग्णालय, मुरबाड जि.ठाणे.		
दूरध्वनी क्रमांक कार्यालय वैयक्तिक	०२५२४-२२२३२६	जाक्र.आस्था/ग्रारुमु/स्पेड शिल्ड २५/२० ग्रामीण रुग्णालय मुरबाड.जि.ठाणे. पिन कोड नंबर - ४२१४०१ दि.२०/०४/२०२०

To,
Mr. Prashant Sharma,
Stratagem Paramount
and Pillai College of
Engineering
(Mahatma Education Society), New Panvel.

We at Rural Hospital, Murbad would like to thank Stratagem Paramount And Pillai College (Mahatma Education Society) for Helping us with Face shields at such a short notice . At such difficult times when PPE(Personal Protective Equipments) are scarce , providing them for free is very helpful. We are happy to know that such a generous Educational institute and a Firm exist. Thankyou once again !

Sharma
वैद्यकीय अधीक्षक वर्ग-१
ग्रामीण रुग्णालय मुरबाड

Letter of Appreciation

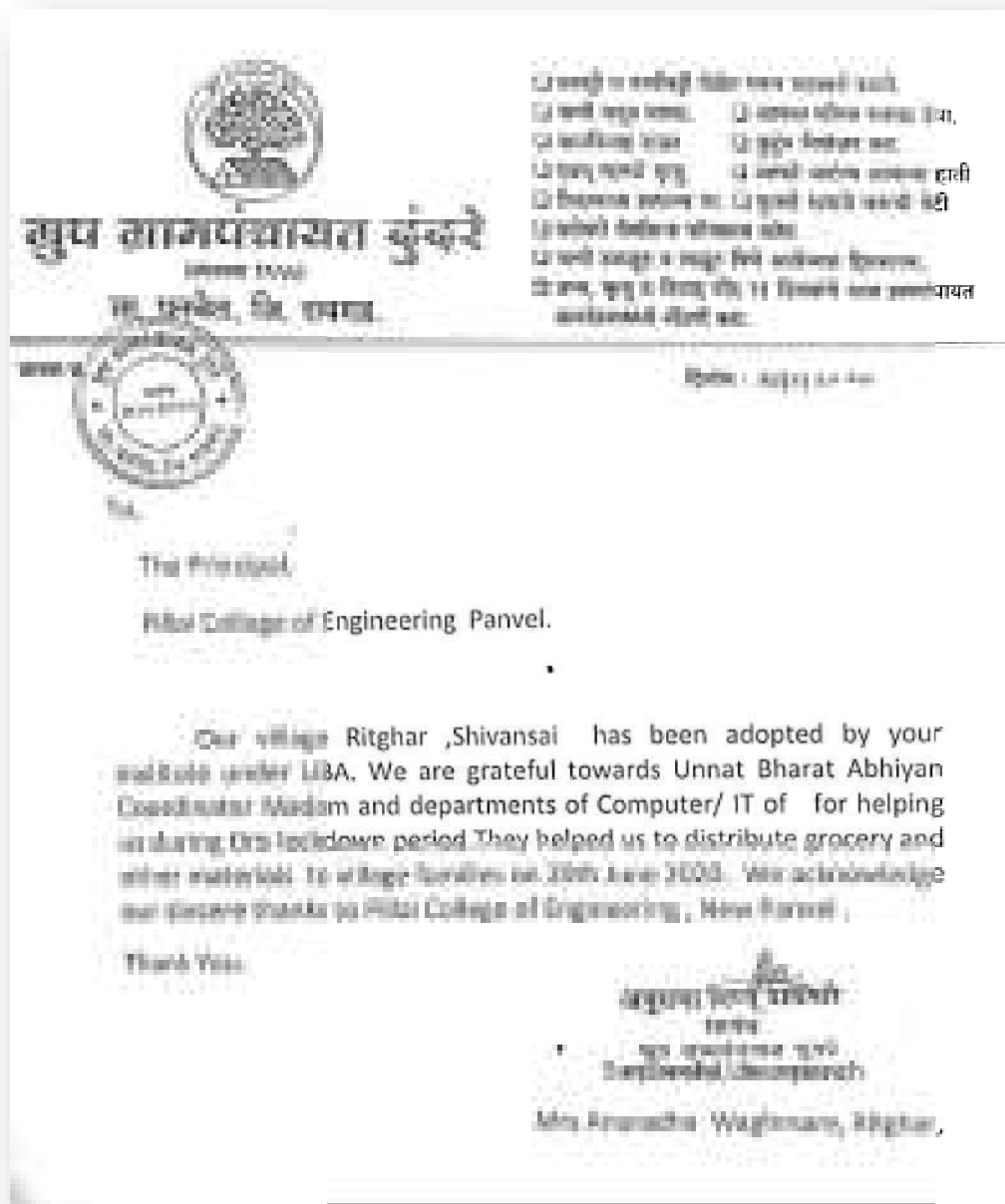






Funds Raised for Social Cause

SN	Funds Raised By	Donated To	Date	Ammount in Rs.	Remark
1	Department of Computer Engineering and Information Technology in Association with UBA PCE	Gram Ritghar under Dundare Gram Panchayat to support 100 आदिवासी families with daily groceries.	26.06.2020	16000	Amount was collected as registration fees for FDP on Cyberspace
2	Department of Computer Engineering and Information Technology	"Punarjeevana" NGO	16.06.2020	1500	Amount was collected as registration fees for webinar on " Know your fabric and Heritage of India"
3	ETSA, PCE	Milaap - Gurudwara Sahib Panvel		4450	
4	TPC,PCE	Milaap - Gurudwara Sahib Panvel		3500	
	IEEE,PCE	Milaap - Gurudwara Sahib Panvel		2321	



Appreciation Letter from Gram Ritghar



Notable Achievements

NAAC “A+” Accreditation

Pillai College of Engineering has been accredited A+ grade by National Assessment and Accreditation Council (NAAC). The visit was conducted on 6th and 7th December, 2019 by NAAC peer team experts.





राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Quality Profile

Name of the Institution : Pillai College of Engineering
Place : New Panvel, Navi Mumbai, Maharashtra

Criteria	Weightage (W_i)	Criterion-wise Weighted Grade Point (Cr WGP)	Criterion-wise Grade Point Averages (Cr WGP _i / W_i)
I. Curricular Aspects	100	360	3.60
II. Teaching-Learning and Evaluation	330	1060	3.21
III. Research, Innovations and Extension	112	340	3.04
IV. Infrastructure and Learning Resources	100	366	3.66
V. Student Support and Progression	110	353	3.21
VI. Governance, Leadership & Management	100	327	3.27
VII. Institutional Values and Best Practices	100	335	3.35
Total	$\sum_{i=1}^7 W_i = 952$	$\sum_{i=1}^7 (Cr WGP)_i = 3141$	

$$\text{Institutional CGPA} = \frac{\sum_{i=1}^7 (Cr WGP)_i}{\sum_{i=1}^7 W_i} = \frac{3141}{952} = \boxed{3.30}$$

Grade =

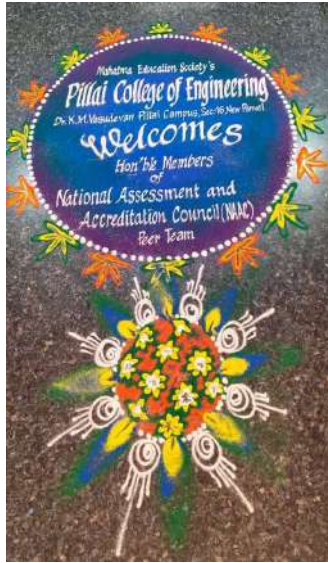
Date : January 08, 2020



S. C. Sanyal
Director

- This certification is valid for a period of Five years with effect from January 08, 2020
- An institutional CGPA on four point scale in the range of 3.51 - 4.00 denotes A⁺ grade, 3.26 - 3.50 denotes A⁺ grade, 3.01 - 3.25 denotes A grade, 2.76 - 3.00 denotes B⁺ grade, 2.51 - 2.75 denotes B⁺ grade, 2.01 - 2.50 denotes B grade, 1.51 - 2.00 denotes C grade
- Scores rounded off to the nearest integer

EC(SC)/48/A&A/MHCOGN104456



Display Room



NAAC Peer team Experts with CEO, COO, Dy. CEO, Principal and other members of PCE



Principal Dr. Sandeep Joshi delivering his presentation



IQAC Coordinators with Criterion In charges



Incubation Centre Visit



Students Committees Display Area



Applied Science, Mathematics and Humanities Display Room Visit



Automobile and Mechanical Engineering Department Lab Visits



Computer Engineering & Information Technology Department Lab Visit



Electronics & Electronics and Telecommunication Department Lab Visit



Thought Leader Award

Pillai College of Engineering has Received Prestigious Zee TV Thought Leader Award in the field of Education on 23rd November, 2019. The event was broadcasted on Zee TV.





Lokmat Panvel Gaurav Award 2019

Pillai Group of Institutions has received Lokmat Panvel Gaurav Award 2019 on 22nd August 2019 for Best Academic Institutions in Navi Mumbai and Raigad.





DST-INSPIRE Fellowship Review Meet – 2019

“DST-INSPIRE Fellowship Review Meet – 2019” was jointly organized by the Department of Science & Technology, Government of India and Pillai College of Engineering, New Panvel on 01 - 03 August 2019 at Dr K M vasudevan Pillai Campus, New Panvel.

The meet started with inaugural function presided by Dr. K M Vasudevan Pillai, CEO, Mahatma Education Society (MES) on 1st August. Dr. Bipin Joshi, Scientist E, Dr. S. Mallikarjuna Babu, Scientist C, Mr. Nagesh Kumar Paswan from DST also graced the event with their presence. 15 eminent scientists, as a part of review panel chaired by Dr. V. S. Rao, IISER, Pune were also present for the function. Dr. Sandeep M. Joshi, Principal PCE welcomed all dignitaries and briefed about the progress of PCE in the areas of research and development. Dr. K. M. Vasudevan Pillai, in his speech, stressed on the importance of having this meet at PCE and urged all faculty members to enthusiastically acquire knowledge in new and developing areas of Science and Technology. He also conveyed his best wishes for this first of its kind event organized at PCE. Dr. Nivedita Shreyans, Director of Public Relations, MES briefed the audience about the importance of this meet. Dr. Bipin Joshi, in his presentation, provided details about all DST schemes for research and development. He encouraged all faculty members and students to apply and avail funding for research in various areas.

109 posters prepared by DST INSPIRE fellows were presented on during the meet. Poster presentations were spread across areas like Life Sciences, Agricultural Sciences, Pharmaceutical Sciences, Earth & Atmospheric Sciences, Physical Sciences, Engineering Sciences, Chemical Sciences and Mathematical Sciences. The expert panel reviewed all the posters and prepared evaluation reports to be submitted to DST. All participants were awarded with certificates of participation. In spite of busy schedule of all DST officials and experts, one of the experts Dr. Gaurav Verma, Professor, Punjab University delivered an excellent address for faculty members of PCE and PHCET on 3rd August. He talked about his research on materials and applications with lucid examples. All faculty members hugely benefited by his talk and learned about non conventional ways to find and implement research ideas. The meet officially concluded with a meeting of all experts and DST officials to discuss outcomes of this meet and finalize poster evaluation reports on 3rd August.

The meet was gracefully conducted with the support of faculty members and student volunteers of PCE. It created unparalleled enthusiasm among students and faculty members regarding new areas of research and has ignited young minds to carry out research in different areas.



Welcoming Guests at Dr. K M Vasudevan Pillai Campus



Dr. K M Vasudevan Pillai, CEO MES, addressing the gathering in inaugural function



Dr. Sandeep M. Joshi, Principal PCE, addressing the gathering in inaugural function



DST officials along with reviewers and PCE faculty members



Poster Session



Poster Session



Faculty Achievements

- Dr Priam Pillai has received Consultancy grant from infinite Analytics Rs 25000
- Dr. Avinash R. Vaidya received best paper award at ATMS 2019
- Dr. Avinash R. Vaidya received MODROB (15.13 L) grant
- Dr P.S. Goyal has got a three year Research Project (Rs 7.4 Lakh) from UGC
- Dr P.S. Goyal has got Consultancy Grant of Rs 1.0 Lakhs from Boron Rubbers, India
- Dr Deepali Shrivastava has received Project Grant from DST for 27.80 Lakhs(Sept-19)
- Prof.Archana Ingole has received Minor Research Project grant from University of Mumbai
- Prof. Madhura Vyavhare has received Minor Research Project grant of Rs. 30000/- from University of Mumbai
- Dr. Surbhi has received Minor Research Project grant from University of Mumbai
- Dr. Sanjeevkumar Shrivastava has received Minor Research Project grant from University of Mumbai
- Dr. Satishkumar Varma has received Minor Research Project grant of Rs. 40000/- from University of Mumbai
- Prof. Monika Bhagwat has received Minor Research Project grant of Rs. 20000/- from University of Mumbai
- Dr. Prashant Lokhande has received Cyber crime and Digital forensic consultancy from GSS HR Sol Pvt. Ltd Rs. 28000
- Dr. Prashant Lokhande has received IPR consultancy to individual, Copyright filing Rs. 2500
- Dr.P.S. Goyal received Best paper award at National Conference on "Water Resources - Remediation & Rejuvenation" held at Mumbai University, Kalina (Feb. 26, 2020)
- Dr. Sushopti Gawade has received Rs. 50000/- Survey Grant from UBA(Initiative by Government of India)
- 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
- Prof. Dhiraj Amin Published a Technical book on “ Natural Language Processing” First Edition , StarEdu publications in Jan 2020 with ISSN No. 978-93-86765-38-3
- Suvarna Haridas Gaikwad published a book on Numerical and Statistical Methods
- Publisher: Tech-Neo Publications Pvt. Ltd. ISBN Number: 978-93-89460-97-1
- Dr.Sundeeep Deulkar published"Book Chapter Publication (WIP): Scrivener Publishing,Wiley" Book Title: Advances in Nanomaterials and Applications: Carbon Nanofibers-Fundamental and Applications Chapter Name: Characterization of Carbon Nanofiber
- Mr. Sojan V V has published Book: Application of Queuing Theory in Productivity Improvement: A Case Study, Lambert Publishing.



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- 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.
- Dr. Arun Shridharan Pillai Invited as Translational Quality Controller for NPTEL , MHRD
- Dr. Arun shridharan Pillai had coordinated Ideathon 2020 in association with TIFR , IIC-MHRD Sponsored by Brianiac,ARROW Rs20,000
- Dr. P. S. Lokhande has received "Shield of Honor", By Indian Navy, Naval Base Camp, Karanja, Uran, Maharashtra
- Dr. P. S. Lokhande has received "Raising Day Police Award and Felicitations", By Navi Mumbai Police Commissioner, Navi Mumbai.
- 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
- Dr. Satishkumar Varma is Member of NPTEL Translation: Shortlisted as NPTEL translator with ID Tran0608 (unique identification number), IITM, 19 May 2020.
- Dr. Satishkumar Varma is Member of Thesis Advisory Committee (TAC) for Ph.D. Scholars at Mukesh Patel School of Technology Management and Engineering (MPSTME), Vile Parle, Mumbai.
- Dr. Satishkumar Varma is Member of Department Advisory Board (DAB), Department of Computer Engineering, Shah & Anchor Kutchhi Engineering College (SAKEC) and Mukesh Patel School of Technology Management and Engineering (MPSTME), Vile Parle, Mumbai.
- Prof. Monika Bhagwat presented a research paper titled"Robust Control of Solid State Transformer using Dynamic Phasor based model with dq transformation" in IEEE PES sponsored North American Power Symposium 2019 held at Wichita, KS, USA from Oct 13- Oct15 2019.
- Prof. Monika Bhagwat was invited as Resource person in FDP on "Perspectives in Linear Control System" organized by CDRC, Electrical Engg. Department, VJTI, Mumbai during Jan 7- Jan 12 2020.
- 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
- 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
- Prof. Amey Marathe wasInvited as Design Judge for FSAE Formula Bharat FB2020 Students Competition at Kari Motorway Coimbatore from 22-26th January 2020



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- Prof. Varunakshi Bhojane has completed One Coursera Specialization in "Deep Learning"
- Prof. Blessy Varghese has completed Professional Certificate (5 courses + 1 Capstone) from Coursera & Google on Google IT Automation with Python with 100%
- Prof. Blessy Varghese has completed Specialization(4 courses + 1 Capstone) from Coursera & University of Michigan on Python for Everybody with 100%
- Smita Swapnil Kadam has completed Professional Certificate In Cloud Engineering With Google Cloud(5 Google Cloud Platform courses Taught by: Google Cloud Training)
- Smita Swapnil Kadam has completed Specialization Certificate In Networking In Google Cloud (3 Google Networking courses Taught by: Google Cloud Training)
- Smita Swapnil Kadam has completed Specialization Certificate In Architecting With Google Cloud (5 Google Architect training courses Taught by: Google Cloud Training)
- Smita Swapnil Kadam has completed Specialization Certificate In Security In Google Cloud Platform(4 Google Security Courses Taught by Google Cloud Training)
- Dr. Sharvari Govilkar, Dr. Sushopti Gawade, Dr. Satishkumar Varma, Monika Bhagwat and Dr. Snigdha Saxena were contributed as Reviewer in different national and international conferences and Journals.
- Dr. Sharvari Govilkar and Dr. Sanjeev Kumar Shrivastava were Invited as subject expert to evaluate various HACKATHON
- Dr. Sharvari Govilkar, Dr. Satishkumar Varma and Dr. Divya Padmnabhan were contributed as Session Chair in different national and international conferences.
- Faculty members of Pillai college of Engineering have enrolled for 855 Coursera courses and completed 561 courses successfully.
- Faculty Publications

SN	Department	Journals	Conferences
1	Applied Science Mathematics and Humanities	4	-
2	Automobile Engineering	1	4
3	Computer Engineering	35	7
4	Information Technology	21	7
5	Electronics Engineering	7	0
6	Electronics and Telecommunication Engineering	5	2
7	Mechanical Engineering	2	15
Total		75	35



Student Achievements

Co-Curricular Achievements of students

- Students of Pillai college of Engineering have enrolled for 8300 COURSERA courses and completed 3364 courses successfully.
- 40 students of EXTC dept published 10 papers in PCE Journal of Electronics and Telecommunication Department.
- 25 students of EXTC dept successfully completed one-week value added course "Antenna Design Thinking".
- 24 students of EXTC dept successfully completed a one-week value added course on "Python Programming".
- 30 students of EXTC dept successfully completed a one-week value added course on "Industrial Internet of Things".
- 18 students of EXTC dept successfully completed one-week value added course on "Networking and it's Fundamentals"
- 6 students of EXTC dept got shortlisted on Round 1 evaluation & getting an entry into the Round 2 evaluations of SIH2020 Hardware Edition
- 23 students of ETRX dept published 7 papers in PCE Journal of Electronics Engg Department
- 5 students of ETRX dept got shortlisted on Round 1 evaluation & getting an entry into the Round 2 evaluations of SIH2020 Hardware Edition
- Ketan Jain, Dipesh Chitale- of Automobile department participated in KPIT Ideathon and were shortlisted in the top 30, Idea- Hybrid Two-wheeler
- Hyperion team of Automobile department participated in Formula Student Bharat 2020 and got overall 32 rank out of 72 teams
- Hyperion team of Automobile department secured 5th position at Champion of Champions 2019
- Hyperion team of Automobile department secured Runner-up position at Business Plan and Cost report and Design and Innovation contest
- Students of MECH dept published 12 papers in reputed journal and conferences
- Five teams of Comp/IT department got selected for grand finale of Smart India Hackathon2020
- 6 teams from Pillai College of Engineering were shortlisted for semi-final Competition.
- 5 teams successfully completed the projects and presented their solution at Mastek on 15th February 2020. Team MVA 7 won the Second Prize of the 8 teams competing in the finals held on 16th February 2020. One team was judged super team (top 20) for throughout consistent performance.



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- 54 research papers were published by UG students of Computer and IT dept and 16 research papers were published by PG students of Computer and IT dept at PG level in various National and International Conferences / Journals.
- 12 students of Computer Engg dept participated and completed the course (Programming, Data Structures And Algorithms Using Python, Data Base Management System) successfully, 7 of them are Elite graded
- 5 teams of IT department participated in Project Competition like Technova, TPPC , Xhibitech etc. 1 group won second prize in national level project competition Technova - 2020 1 group participated in COVID 19 Samadhan Challenge provided video solution
- A UG student group of IT dept won second prize in national level project competition Technova -2020
- 1 group of IT dept selected in Young Scientist Conference 2019, Kolkata, Fully Sponsored by Government of India, Project Title : " Grape disease management system ".

Extra Curricular Achievements of students

- Sarvesh Makane, Abhiram Kuthulli, Vishak Nair Ravi, Omkar Dete, Yash Borade And Rahul Chavan Secured First Place In Zone -iv Chess Competition At Zonal Level
- Akhilesh Shinde secured second position in Taekwondo on National level.
- Harikrishnan Nair secured third place in handball on National level (Intercollegiate).
- Yash Borade represented Mumbai University and secured third runners up in west zone (India) chess tournament and was also runner up in All India Interzonals Interuniversity Chess tournament.
- Ameet Awari, Snehal Kharbhari, Ashwin Kutty, Raman Bonde, Rohan Sharma, Rahul Mungekar, Faizan Kaware, Harikrishnan Nair, Robin Sajan, Aditya Khilari secured 3rd place in mumbai university intercollegiate handball tournament.
- Shetty Akanksh Harish of SE EXTC A:
 - Won "Man of the match" award for university qualifiers in Mumbai University Football Men 2019-20 held on 16th to 18th October 2019.
 - Runners up in the 13th late Adv. A. R. Kudrolli Memorial Knockout Football Tournament 2019 on 14th December 2019. The Jai Hind Sports Club Mumbai Affiliated to The Bombay City District Amatuer Athletic Association Karnatak Sporting Association.
- Rahul Mungekar and Rohan Sharma from Handball Team won bronze medal in Mumbai University Handball tournament.
- Kushal Surarna Secured 1st position in Inter collegiate level football Competition on University level
- Manthan Harvade Secured 3rd position in College open level in Racing Competition on University level.

----End of Report----