Mahatma Education Society's

Pillai College of Engineering

Autonomous College Affiliated to University of Mumbai

(NAAC A+ Accredited, NBA Accredited, Highest Rated IIC, ARIIA Band Performer)

ANNUAL REPORT

A.Y 2021-22

Dr. K. M. Vasudevan Pillai Campus
Plot No. 10, Sector 16, New Panvel,
Navi Mumbai – 410 206, Maharashtra, India

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From Principal's Desk

Dear Readers,

Mahatma Education Society has celebrated its Golden Jubilee in 2020, which has established Pillai College of Engineering in 1999 after establishing its name in the field of education through 30 years of experience. Our Computer, Mechanical, Information Technology, Electronics Engineering Undergraduate Courses are permanently affiliated to the University of Mumbai. Automobile Engineering, Electronics and Telecommunication Engineering and Information Technology courses are accredited and Computer Engineering and Mechanical Engineering courses are re-accredited by the prestigious National Board of Accreditation, New Delhi till 30th June 2025. PCE is also recognized by the University Grants Commission under section 2(f) and 12(b) schemes in which colleges are eligible to receive certain grants for specific schemes. PCE has gained All India Rank between 26-50 Band B (Private or Self-Financed College /Institutes) in Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2020. The College is one of the prestigious institutions in India which is accredited by National Assessment and Accreditation Council (NAAC), Bengaluru with A+ Grade and ISO 9001:2015 certified. certified and conferred Autonomous status by the University Grants Commission from the academic year 2021-22. PCE offers Undergraduate (Bachelor of Technology), Postgraduate (Masters in Technology) and Doctor of Philosophy in Science & Technology (Ph.D) programs.

Offering state-of-the-art facilities and a distinguished teaching faculty of numerous disciplines, PCE creates students of higher academic capabilities. PCE has Green Infrastructure, spacious classrooms, well-equipped laboratories, workshops, state-of-the-art computer labs and library to provide a stimulating learning environment in the college. MoU with industries for Industry Academic Innovative Practices, Research activities, training for placement, compulsory internship, promotion of cultural and sports activities, Ongoing Conferences, Workshops and seminars, support for startup's etc. are giving students a cutting edge advantage . We believe in mentoring students with faculty members offering personal guidance to approximately twenty students on a one to one basis.

We take pride in bringing out this comprehensive report of the plethora of activities conducted in the year 2021-22. We have made great strides in every aspect that an institution needs to focus on to get back to offline mode after the pandemic. This academic year was too challenging as we had Autonomy and NBA inspection committee visits in the month of October 2021 and April 2022 respectively. We have also made all necessary modifications in the academic and examination structure to implement autonomy.

Some major activities and achievements are mentioned here.

Institute was conferred with autonomy status in November 2022. Automobile Engineering, Electronics and Telecommunication Engineering and Information Technology courses are accredited and Computer Engineering and Mechanical Engineering courses are re-accredited by the prestigious National Board of Accreditation, New Delhi till 30th June 2025. The institute won the Overall Championship Award at AVISHKAR 21-22 in Engineering and Technology category. The signature conference of PCE on Technologies for Future Cities was held on 8th and 9th October. Institute was placed in the Performer Band in the private Technical College category in ARIIA 2021. Also it was one of the Top Performing institutions in India to achieve this feat in the Second Consecutive Year. IIC PCE was selected as a Mentor Institute (One among 50 selected institutes over the nation with Financial Aid) for the Mentor-Mentee Program of IIC, MIC Govt. of India. The institute has signed 6 MOUs with different agencies to open new possibilities for collaborative research for faculty and internships for students.

Four of PCE faculty members completed their Ph.D. Faculties and students have filed/received 15+ patents/copyrights during the year. There were 150+ publications in reputed National and International journals. Various consultancy of approximately 4 Lakhs was undertaken by faculties with different agencies. Though the students were striving hard to come back to normal 500+ students have pursued internships at various agencies. 4400+ students were benefited through enrollment to various Skill Enhancement programme. 350+ students got placed with an average package of 4.15 lakhs with an highest package of 7.5 lakhs. Apart from this 35+ students got admitted to various foreign universities for higher studies. Four teams from Pillai College of Engineering were selected to compete in the SIH Finale out of which two teams were winners.

I must congratulate all the faculty members who remained motivated and focused to organize and coordinate these events going through difficult times and wish all the best for better times ahead. We have made ourselves more visible than ever and now lies on us the responsibility of continuing with such activities for students and faculty members.

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.

Acknowledgement

It gives us great pleasure and immense satisfaction to present the Annual Report of Pillai College of Engineering for the academic year 2020-21. 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. Monika Bhagwat,** Electronics and Computer Science Engineering, **Dr. Avinash Vaidya,** Electronics & Telecommunication Engineering And and IIC Coordinator, **Dr. Satishkumar 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** Prof. Jayashri Bhosale, Prof. Deepti Lawand (C-1), Prof. Varunakshi Bhojane, Prof. Sonali Kathare, Prof. Rupali Nikhare (C-2), Dr. Satish Varma, Dr. Sushopti G , Dr. Gajanan Thokal, Prof. Geeta Karmarkar (C-3), Dr Rashed Ali, Dr. Leena Potdar (C-4), Prof. Payel Thakur , Prof. Deepti Nair (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 Dr. Biswajit Panda, Prof. Yogesh Kene, **IEEE** student members and Faculty Coordinator Prof. Padmaja Bangde, **ETSA** student members and Faculty Coordinator Prof. Tusharika Banerjee, **ISHRAE** student members and Faculty Advisors Prof. Pruthviraj Rahane & Prof. Shahid Shaikh, **AESA-MESA** student members and Faculty Coordinators 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. Sheetal Gawande , **NSS** program officers Prof. Bhagwan More, Prof. Archana Ingole and **Nature Club** Faculty Advisor Prof. Biswajit Panda.

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, Prof. Suchitra A. Patil** and **Prof. Supriya Khaitan,** Annual Report Coordinators, as 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

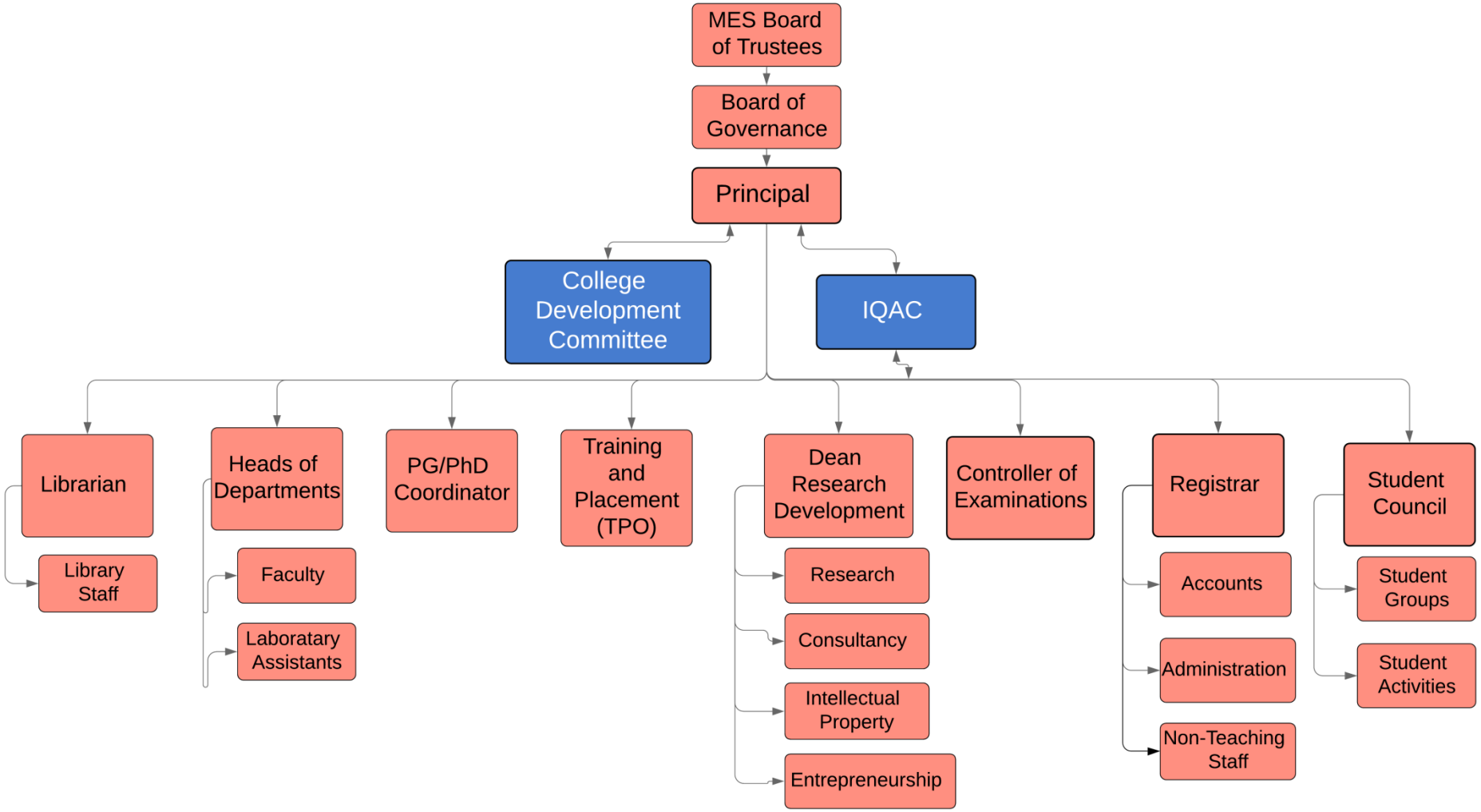
Vision

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
Prof. (Dr.) Rabindra Kumar Sahu UGC Nominee	Member
Mr. Pramod A. Naik State Government nominee	Member
Dr. Bernard M Educationist	Member
Dr. Sharvari S Govilkar	Member
Mr. Pragnesh Shah	Member
Dr. Sandeep M Joshi	Member Secretary

Quality Assurance

Academic and Administrative Audit (AAA)

Academic and Administrative Audit (AAA) is very essential for 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

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 & 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 Electronics and Electronics & Telecommunication Engg. Departments	Academic Audit of Mechanical & Automobile Engg. Departments.	Academic Audit of Computer Engineering and Information Technology Departments	Academic Audit of Electronics and Electronics & Telecommunication Engg. Departments	Academic Audit of Mechanical and Automobile Engg. 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

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

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 an 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

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 an annual riverside clean up drive. Appoint Faculty Coordinator	Organize annual riverside clean up drive	Organize annual riverside clean up drive	Organize annual riverside clean up drive	Organize annual riverside 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	

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

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 7th pay commission	Financial Analysis and Budgetary Provisions	Implement 7th 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

IQAC Initiatives

SN	Head	Activity
1	**Research Initiatives**	2 days **Conference on Technologies for Future cities** was conducted on 8th and 9th Oct 2021 .
		One day International Annual Conference of **ELTAI- ELT IN INDIA: NEW NEEDS, NEW DEMANDS, NEW TRENDS** conducted on 21st Nov 2021 by ASMH department
2	**Administrative initiatives**	Academic Administrative Audit of all the departments was conducted on 30th June 2022 by Academic audit committee and follow up action was initiated
		PCE has Participated in NIRF Ranking .
		PCE got ISO certification ISO 9001:2015
3	**Accreditation related Initiatives**	5 departments of PCE namely Automobile Engineering, Computer Engineering, Electronics and Telecommunication Engineering, Information Technology , Mechanical Engineering got **NBA Accreditation** for the period of 3 years from May 2022 to May 2025 .
		PCE conferred with **Autonomous status** by UGC, India
4	**Academic Initiatives to enhance Teaching Learning**	Industry Expert talk on " **Start-Up and Entrepreneurship Development"** conducted on 24th July 2021 by Computer and IT dept and PCE IQAC in collaboration with Goa State Innovation Council.
		Five day National webinar on "**Virtual Education- Inclusive and Interactive Aspects**" conducted from 26th August 2021 to 30th August 2021 by ASMH department and IQAC in collaboration with ICSSR
		Expert talk on **"Process of Innovation Development"** conducted on 2nd Feb 2022 by PCE IIC and IQAC in collaboration with the Indian patent office.
5	**Industry Institute Interaction Initiative**	An orientation program on **3 Months Internship in Cyber security and Digital Forensics conducted on 18th June 2022** By Dept of COMP and IT in collaboration with Cyber secured India , Mumbai, Internship duration : 18th June 2022 to 24th Sep 2022

Academics

Programs Offered

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

Degree	Courses	Year of Establishment	Sanctioned Strength
BE	1. Computer Engineering	1999	180
	2. Information Technology	1999	120
	3. Electronics & Computer Science	1999	90
	4. Mechanical Engineering	2002	90
	5. Electronics and Telecommunication Engineering	2007	90
	6. Automobile Engineering	2009	60
ME	1. Information Technology	2008	12
	2. Mechanical Engineering CAD/CAM & Robotics	2008	18
	3. Computer Engineering	2009	12
	4. Electronics Engineering	2009	12
	5. Mechanical Engineering Thermal Engineering	2011	18
	6. Defense Technology	2021	30
Ph.D	1. Computer Engineering	2017	10
	2. Mechanical Engineering	2017	10
	3. Information Technology	2019	10
	4. Electronics Engineering	2022	10

Status of Admission

Programme Name	Number of Seats Sanctioned	Number of Students Admitted
Automobile Engineering	60	24
Computer Engineering	180	193
Electronics and Computer Science	90	93
Electronics and Telecommunication Engineering	90	89
Information Technology	120	122
Mechanical Engineering	90	39
Computer Engineering (PG)	18	2
Electronics Engineering (PG)	18	0
Information Technology (PG)	18	0
Mechanical Engineering (PG) CAD/CAM & Robotics	18	3
Mechanical Engineering (PG) Thermal Engineering	18	1
Defence Technology	30	-
Computer Engineering(PhD)	10	10
Mechanical Engineering(PhD)	10	10
Information Technology (PhD)	10	9
Electronics Engineering (PhD)	10	-

Results

SEM VIII Results - May 2022

Sn	Branch	Students Appeared	Students Passed	Pass %
1	Automobile Engineering	74	73	98.6 %
2	Computer Engineering	140	138	98.6 %
3	Electronics Engineering	59	55	93.2 %
4	Electronics and Telecommunication Engineering	128	120	93.8 %
5	Information Technology	143	143	100 %
6	Mechanical Engineering	153	133	86.9 %

Placements

Sr. No.	Branch	No of students placed
1	Automobile Engineering	21
2	Computer Engineering	89
3	Electronics Engineering	26
4	Electronics and Telecommunication Engineering	70
5	Information Technology	117
6	Mechanical Engineering	45
	Total	**368**

Branchwise list of students placed 2021-22 Batch

Sr. No	Name	Branch	Company	Package in Rs. Lac/ PA
1	Aniket Kishor Nikam	AUTO	TCS Ninja	3.36
2	Vedant Ganesh Patade	AUTO	TCS Ninja	3.36
3	Vinit Pokharkar	AUTO	INFOSYS	3.6
4	Abhilash Nair	AUTO	D&O Motorsports	3
5	Kanojiya Deepak	AUTO	D&O Motorsports	3
6	Gouri Rakesh Sonawane	AUTO	Tech2edge Technology Solutions	1.8
7	Pansare Prajwal Devidas	AUTO	Turingmind	7.5
8	Narvekar Swapnil Shashikant	AUTO	Turingmind	7.5
9	Umashankar Naidu	AUTO	Turingmind	7.5
10	Tanish Kaler	AUTO	Turingmind	7.5
11	Rishikesh Ganesh Dalvi	AUTO	Multidimensions	2.35
12	Neeraj Rane	AUTO	BMW	3
13	Atharva Sanjeev Gupte	AUTO	Drivetech	2.4
14	Harsh Anil Jagad	AUTO	Drivetech	2.4
15	Ratikesh Sathe	AUTO	Binani Technologies	3.5
16	Akash Kishor	AUTO	Mahindra & Mahindra Ltd	3
17	Amey Gaikwad	AUTO	Patil Automation	2.4
18	Abdul Nasir Khan	AUTO	Rave Racing Motor Sports	3
19	Deepak Vishwakarma	AUTO	Cyber Frat PVT LTD	3.5

20	Adinath Minanath Bhor	AUTO	Capgemini	4
21	Vinit Sudin Gharat	AUTO	Yotta	3.5
22	Spandana Sudarshan Shetty	COMP	TCS Ninja	3.36
23	Shikha Shaj	COMP	TCS Ninja	3.36
24	Niranjan Sanjay Badgujar	COMP	TCS Ninja	3.36
25	Shraddha Motiram Pokale	COMP	TCS Ninja	3.36
26	Kajal Ganesh Hule	COMP	TCS Ninja	3.36
27	Rahul Dashrath Maurya	COMP	TCS Ninja	3.36
28	Sukrishna Suresh Nair	COMP	TCS Ninja	3.36
29	Yatin Suresh Chaudhari	COMP	Wipro	3.5
30	Vaishnavi Vijay Shete	COMP	Wipro	3.5
31	Vishwajith Rajendran	COMP	Wipro	3.5
32	Nikhil Shrishail Mathapati	COMP	Wipro	3.5
33	Aditya Pramod Mohite	COMP	Wipro	3.5
34	Shweta Sanjay Dundale	COMP	Wipro	3.5
35	Ashutosh Pradeep Karuthedath	COMP	Wipro	3.5
36	Omkar Sanjay Patil	COMP	Hexaware	4
37	Dhanesh Suresh	COMP	NSEIT	3.5
38	Vinay Vishwanathan	COMP	Wipro	3.5
39	Sujith Suresh Kurup	COMP	Capgemini	7.5
40	Snehal Shahaji Mane	COMP	Capgemini	7.5
41	Tejas Pathak	COMP	Ugam Solutions	5
42	Dhanesh Suresh	COMP	NSEIT	3.5
43	Mahesh Gilbile	COMP	CitiusTech	5.5
44	Nair Sagar Balachandran	COMP	Capgemini	4
45	Abijith Madhu Valath	COMP	BYJUS	6
46	Aditya Sivaram Nair	COMP	Jio Platforms Limited	4
47	Akash Kotekar	COMP	Jio Platforms Limited	4
48	Aniruddha Umesh Joshi	COMP	Jio Platforms Limited	4
49	Debabratta Mishra	COMP	Jio Platforms Limited	4
50	Devika Nair	COMP	Jio Platforms Limited	4
51	Gharge Saloni Annasaheb	COMP	Jio Platforms Limited	4
52	Jahnvi Kumar	COMP	Jio Platforms Limited	4
53	Manish Shashikumar Pillai	COMP	Jio Platforms Limited /LTI	4

54	Mayur Gopan	COMP	Jio Platforms Limited	4
55	Mhatre Sahil Atul	COMP	Jio Platforms Limited	4
56	Nikhil Patil	COMP	Jio Platforms Limited	4
57	Nirjhar Jaiswal	COMP	Jio Platforms Limited	4
58	Prajkta Ghorpade	COMP	Jio Platforms Limited	4
59	Prasad Ramesh Badhan	COMP	Jio Platforms Limited	4
60	Prateek Gaikar	COMP	Jio Platforms Limited	4
61	Sahil Mendon	COMP	Jio Platforms Limited	4
62	Sailee Shingare	COMP	Jio Platforms Limited	4
63	Sameer Deshwal	COMP	Jio Platforms Limited	4
64	Sanchit Kailas Gide	COMP	Jio Platforms Limited	4
65	Satyajeet Vijay Suryawanshi	COMP	Jio Platforms Limited	4
66	Shreyas Ravindran	COMP	Jio Platforms Limited	4
67	Siddhesh Dhonde	COMP	Jio Platforms Limited	4
68	Sidharth Shankaranarayanan Nair	COMP	Jio Platforms Limited	4
69	Sreelakshmi Suryanarayanan Nair	COMP	Jio Platforms Limited	4
70	Sudhanshu Chaurasia	COMP	Jio Platforms Limited	4
71	Swajit Jitendra Ghatte	COMP	Jio Platforms Limited	4
72	Tillu Mihir Mahesh	COMP	Jio Platforms Limited	4
73	Vaishnavi Garad	COMP	Jio Platforms Limited	4
74	Varun M K	COMP	Jio Platforms Limited	4
75	Yuvraj Patel	COMP	Jio Platforms Limited	4
76	Thakare Jayesh Dinesh	COMP	LTI	3.52
77	Anant Jaiprakash Vishwakarma	COMP	LTI	3.52
78	Kaikini Samarth Niranjan	COMP	ACTY SYSTEM INDIA PVT LTD	3.65
79	Omkar Shivaji Gurav	COMP	TSS	4
80	Jayesh Deepak Rane	COMP	Ugam Solutions	5
81	Savani Dalvi	COMP	Ugam Solutions	5
82	Kaustubh Sunil Sawant	COMP	Ugam Solutions	5
83	Pandita Deepanshu Dalip	COMP	Ugam Solutions	5
84	Kmr Dayaasaagar	COMP	Ugam Solutions	5
85	Harshal Dhake	COMP	GEP	5.5
86	Alex Vettithanam	COMP	GEP	5.5

87	Siddhesh Patil	COMP	GEP	5.5
88	Soham Lanke	COMP	GEP	5.5
89	Harshad Rane	COMP	GEP	5.5
90	Tejas Mandhare	COMP	GEP	5.5
91	Akash Vilas Parthe	COMP	Capgemini/ LTI	5
92	Blessy Thomas	COMP	Capgemini	4
93	Anuj Jaijeevan	COMP	Capgemini	4
94	Bhushan Vijay Pradhan	COMP	Capgemini	4
95	Ritu Rammohan Menon	COMP	Capgemini	4
96	Vaishnavi Vinod Salian	COMP	Capgemini	4
97	Freshin Francis	COMP	Capgemini	4
98	Ashwin Venu Nair	COMP	Capgemini	4
99	Raj Ajay Roge	COMP	Capgemini	4
100	Shruthi Krishnakumar	COMP	Capgemini	4
101	Kunal Prabhakar Gawade	COMP	Capgemini	4
102	Rohan Rakesh Kumar Jamuar	COMP	Capgemini	4
103	Snehal Pandurang Kamble	COMP	Capgemini	4
104	Sahil Chintamani Mulay	COMP	Capgemini	4
105	Snehal Sahaji Mane	COMP	Capgemini	5
106	Vijithra Nair	COMP	INFOSYS	3.5
107	Nirjhar Jaiswal	COMP	Reliance Jio	6
108	Monish Mohanan	COMP	Turingmind	7.5
109	Abin Jacob	COMP	AGS	3
110	Siddhant Tambe	COMP	Security Innovation	7
111	Saurabh Chattar	ETRX	Ugam Solutions	5
112	Suraj Satheeshachandran	ETRX	Capgemini	4
113	Shreedhar Vidyadhar Tupe	ETRX	Capgemini	4
114	Tushar Sharma	ETRX	Capgemini	4
115	Arundhati Sanjay Kar	ETRX	Capgemini	4
116	Tejal Pokharna	ETRX	Swan Solution	1.8
117	Sahil Kadam	ETRX	Swan Solution	1.8
118	Somesh Rajeev Gaikwad	ETRX	TCS Ninja	3.36
119	Shubham Ambadas Solase	ETRX	TCS Ninja	3.36
120	Ruthvj Sunil Rane	ETRX	Wipro	3.5

121	Aditi Ashok Sawant	ETRX	Wipro	3.5
122	Durgesh Pal	ETRX	NSEIT	3.5
123	Suyog Sudhakar Jujum	ETRX	Capgemini	7.5
124	Sudhanshu Onkar Kotiwar	ETRX	Capgemini	7.5
125	Ghosh Sohini	ETRX	Nucsoft	3.2
126	Durgesh Pal	ETRX	NSEIT	3.5
127	Yogesh Mishra	ETRX	Capgemini	4
128	Gautam Nair	ETRX	ITC	4.25
129	Suraj Gaikwad	ETRX	WIPRO	3.5
130	Raja Paswan	ETRX	WIPRO	3.5
131	Suhas Dadabhau Kasute	ETRX	Wipro	3.5
132	Adarsh Tayade	ETRX	Reliance Jio	4
133	Digvijay Rajesh Mishra	ETRX	Commedia	3.6
134	Mishra Yogesh Bheemsen	ETRX	Turingmind	7.5
135	Rahul Kutty	ETRX	Infosys	3.6
136	Suraj Kumar Sharma	ETRX	Saintiant Technologies	4.5
137	Rutuja Ambale	EXTC	Jio Platforms Limited	4
138	Shrishti Dayanand Shetty	EXTC	Jio Platforms Limited	4
139	Yasaswi Avl	EXTC	Jio Platforms Limited	4
140	Vijaykumar Ramdutt Nagvanshi	EXTC	TSS	4
141	Gaurav Pandey	EXTC	Ugam Solutions	5
142	Shreyash Moreshwar Mhatre	EXTC	Ugam Solutions	5
143	Rahul Krishnan Acharya	EXTC	Ugam Solutions	5
144	Rishabh V Joshi	EXTC	Ugam Solutions	5
145	Samruddha Chavan	EXTC	Ugam Solutions	5
146	Abhijeet Chandrabhan Kanojiya	EXTC	Capgemini	4
147	Vidya Ashok Bordekar	EXTC	Capgemini	4
148	Nimesh Jiten Khatri	EXTC	Capgemini	4
149	Abhijeet Uday Waingankar	EXTC	Capgemini	4
150	Pooja Shriram Kulkarni	EXTC	Capgemini	4
151	Pradnya Dhananjay Kokil	EXTC	Capgemini	4
152	Ajay Mohan Nair	EXTC	Capgemini	4
153	Pratiksha Ramdas Solanke	EXTC	Wipro	2.4
154	Sarika Patil	EXTC	TCS	3.5

155	Divesh Rai	EXTC	WIPRO	3.5
156	Pranaya Nair	EXTC	Qspider	2.4
157	Ruchi Ramakant Rai	EXTC	TCS Ninja	3.36
158	Aanchal Ravindra Gowda	EXTC	TCS Ninja	3.36
159	Shail Jyala	EXTC	TCS Ninja	3.36
160	Sarika Ranjit Patil	EXTC	TCS Ninja/ INFOSYS	3.36
161	Ridhi Sunil Ghosh	EXTC	TCS Ninja	3.36
162	Pratiksha Ramdas Gadge	EXTC	TCS Ninja	3.36
163	Akash Bikash Das	EXTC	TCS Ninja	3.36
164	Rushabh Santosh Kshirsagar	EXTC	TCS Ninja	3.36
165	Siddhi Prabhakar Paradhi	EXTC	TCS Ninja/Citiustech	3.36
166	Ajinkya Umesh Mulik	EXTC	TCS Ninja	3.36
167	Sharvari Bhuvnesh Tamse	EXTC	TCS Ninja	3.36
168	Aryan Naresh Bhardwaj	EXTC	TCS Ninja / wipro	3.36
169	Irfan Rustam Shaikh	EXTC	Wipro	3.5
170	Umakant Ravindranath Tiwari	EXTC	Wipro	3.5
171	Aryan Naresh Bhardwaj	EXTC	Wipro	3.5
172	Yash Sudhir Sawant	EXTC	Wipro	3.5
173	Yash Sharad Kadam	EXTC	Wipro	3.5
174	Pratiksha Ramdas Solanke	EXTC	Wipro	3.5
175	Preeti Bhanudas Thite	EXTC	Wipro	3.5
176	Aditi Ashok Sawant	EXTC	Hexaware/ WIPRO	4
177	Anisha A.K. Achary	EXTC	LexisNexis Risk Solutions	5
178	Neha Shekhar Pitale	EXTC	LexisNexis Risk Solutions	5
179	Varun Bhoir	EXTC	NSEIT	3.5
180	Vishlesha Mortale	EXTC	NSEIT	3.5
181	Rutuja Suryawanshi	EXTC	Ugam Solutions	5
182	Pooja Dilip Salunkhe	EXTC	Ugam Solutions	5
183	Swapnil Pradeep Adsul	EXTC	Jaro	6.6
184	Neha Pokharkar	EXTC	Coditas	6
185	Varun Bhoir	EXTC	NSEIT	3.5
186	Vishlesha Mortale	EXTC	NSEIT	3.5
187	Siddhesh Pravin Patil	EXTC	Yotta	3.5
188	Shubham Walunj	EXTC	Magma HDI General Insurance	3.5

			Co Ltd / INFOSYS	
189	Ritesh Kumar	EXTC	Infosys/ BIRLASOFT	3.6
190	Rohit Jagtap	EXTC	TCS/ Zensoft services	3.36
191	Deepika Gupta	EXTC	CitiusTech	5.5
192	Malhar Koshe B	EXTC	Godrej and Boyce	3.12
193	Avinash Gupta	EXTC	ITC	4.25
194	Shital Zanje	EXTC	Wipro	3.5
195	Adwait Pawar,	EXTC	WIPRO	3.5
196	Khagesh Vijay Chavan	EXTC	Birlasoft	3.6
197	Rutik Dhumal	EXTC	INFOSYS	3.6
198	Ashutosh Singh	EXTC	AURIUNPRO SOLUTION	4.5
199	Sudipt Waykar	EXTC	Commedia	3.6
200	Mayuri Sharad Salve	EXTC	Commedia	3.6
201	Jay Mhatre	EXTC	INFOSYS	3.6
202	Swapnil Pradeep Adsul	EXTC	Toshiba elevator	3.5
203	More Priyam Rajesh	EXTC	Turingmind	7.5
204	Samiksha Ashok Katkar	EXTC	Turingmind	7.5
205	Neha Kamath	EXTC	CLOUDSOFY	5.75
206	Suraj Singh	EXTC	Inogic	3
207	Aakarsh Kumar Verma	IT	Jio Platforms Limited	4
208	Aastha Angre	IT	Jio Platforms Limited	4
209	Abhishek Dalvi	IT	Jio Platforms Limited	4
210	Ashwith Ananda	IT	Jio Platforms Limited	4
211	Faiz Abdulsalam Shaikh	IT	Jio Platforms Limited	4
212	Geeta Kolte	IT	Jio Platforms Limited	4
213	Harshvardhan Pandey	IT	Jio Platforms Limited	4
214	Hemant Rathod	IT	Jio Platforms Limited	4
215	Himani Ranpariya	IT	Jio Platforms Limited	4
216	Ishita Patri	IT	Jio Platforms Limited	4
217	Kirnesh Murlidhar Walunj	IT	Jio Platforms Limited	4
218	Manas Ghodinde	IT	Jio Platforms Limited	4
219	Neel Suba	IT	Jio Platforms Limited	4
220	Nikhil Duttaroy	IT	Jio Platforms Limited	4
221	Pramod Baviskar	IT	Jio Platforms Limited	4

222	Rutuja Subhash Kadam	IT	Jio Platforms Limited	4
223	Sanket Sanjay Salunkhe	IT	Jio Platforms Limited	4
224	Shefali Shrivastava	IT	Jio Platforms Limited	4
225	Shreedhar Chavan	IT	Jio Platforms Limited/ LTI	4
226	Shreema Purandar Shetty	IT	Jio Platforms Limited	4
227	Shreya Shanil	IT	Jio Platforms Limited	4
228	Shrithi Batthini	IT	Jio Platforms Limited	4
229	Siddesh Shimpi	IT	Jio Platforms Limited	4
230	Yameeni Mhaske	IT	Jio Platforms Limited	4
231	Himanshu Prakash Marathe	IT	LTI	3.52
232	Varsha Bhosale	IT	LTI	3.52
233	Sourabh Sudhir Kshirsagar	IT	LTI	3.52
234	Deshpande Aakanksha Shyam	IT	TSS	3.5
235	Ankita Gupta	IT	Ugam Solutions	5
236	Abhayjeet Singh	IT	Ugam Solutions	5
237	Shubham Ravindra Sawant	IT	Ugam Solutions	5
238	Desai Nitin Shankar	IT	Ugam Solutions	5
239	Gaurav Suresh Surve	IT	Ugam Solutions	5
240	Deep Patel	IT	Ugam Solutions	5
241	Shivam Pandey	IT	GEP	5.5
242	Idris Mandsaurwala	IT	GEP	5.5
243	Aryan Mehtele	IT	GEP	5.5
244	Akhilesh Pillai	IT	GEP	5.5
245	Rutuja Jadhav	IT	GEP	5.5
246	Akshay Savad	IT	GEP	5.5
247	Aditya Modak	IT	GEP	5.5
248	Sarvesh Makane	IT	GEP	5.5
249	Aniket Patil	IT	GEP	5.5
250	Surabhi Prakash Shinde	IT	Capgemini	4
251	Sayali Samir Shetye	IT	Capgemini	4
252	Sahil Shekhar Dhuri	IT	Capgemini	4
253	Riddhi Raghvendra Panchale	IT	Capgemini	4
254	Swaraj Dilip Kale	IT	Capgemini	4
255	Ninad Nivas Patil	IT	Capgemini	4

256	Rutuja Yashawant Kapse	IT	Capgemini	4
257	Sahil Vinod Waingankar	IT	Capgemini	4
258	Pawan Singh	IT	Capgemini/ LTI	5
259	Yukta Kamlesh Bhanushali	IT	Capgemini	4
260	Raj Pramod Kheratkar	IT	Capgemini	4
261	Manasi Rajan Variar	IT	LTI	4
262	Rutuja Vivek Jadhav	IT	Capgemini	4
263	Pritam Rajendraprasad Rane	IT	Capgemini	4
264	Sakshi Rajendra Jadhav	IT	Capgemini	4
265	Mehul Uday Naik	IT	Capgemini	4
266	Aakanksha Shyam Deshpande	IT	Capgemini	4
267	Kumara Ramesh Huliyurdurga	IT	Capgemini	4
268	Chinmay Sanjay Mhatre	IT	Capgemini	4
269	Manuj Narayanaa Rajaram	IT	Capgemini	4
270	Nidhi Santosh Musale	IT	Capgemini	4
271	Vivek Partani	IT	TSS	4
272	Retu Mishra	IT	GEP	5.5
273	Ishika Joshi	IT	GEP	5.5
274	Rishikesh Jadhav	IT	GEP	5.5
275	Ashna Ramesh Maurya	IT	WIPRO	4
276	Patil Rutuja Krishna	IT	LexisNexis	2.4
277	Harikrishnan Nair	IT	NeoSOFT	3
278	Mrunal Jadhav	IT	TCS Ninja	3.36
279	Sejal Nilkanth Sutar	IT	TCS Ninja	3.36
280	Girish Rajendra Shetiya	IT	TCS Ninja	3.36
281	Nishad Govind Marathe	IT	TCS Ninja / LTI	3.36
282	Kiran Ramesh Kumawat	IT	TCS Ninja/ Reliance Jio	3.36
283	Prasad Pramod Patil	IT	TCS Ninja	3.36
284	Vaishnavi Namdev Bhosale	IT	TCS Ninja / Newgen	3.36
285	Vinay Sanjay Jawale	IT	TCS Ninja	3.36
286	Aakanksh Ullhas Krishnan	IT	TCS Ninja	3.36
287	Nishad Krishnakant Shirsat	IT	TCS Ninja/ LTI	3.36
288	Abhishek Joshi	IT	Birlasoft	3.6
289	Rohit Ratan Sanhal	IT	Wipro	3.5

290	Anushka Mahesh More	IT	Wipro	3.5
291	Bharat Dalaram Chaudhari	IT	Wipro	3.5
292	Shriya Ghanshyam Kadam	IT	Hexaware/LTI	4
293	Shayan Yasin Wangde	IT	New Gen	4.25
294	Gadge Pratik Chandrakant	IT	New Gen	4.25
295	Rohitkumar Govindprasad Sahu	IT	New Gen	4.25
296	Sarthak Naik	IT	CODITAS	6
297	Rutuja Krishna Patil	IT	LexisNexis Risk Solutions	5
298	Ashna Ramesh Maurya	IT	WIPRO	3.6
299	Aditya Tikhe	IT	NSEIT	3.5
300	Harikrishnan Nair	IT	Neosoft	6.6
301	Pranav Lalit Patil	IT	Capgemini	4
302	Adnan Noormohammed Shaikh	IT	Capgemini	7.5
303	Aditya Tikhe	IT	NSEIT	3.5
304	Epili Dhananjay Trinath	IT	Wipro	3.5
305	Kanaujiya Susheel Shyamjeet	IT	Magma HDI General Insurance Co Ltd,	3.5
306	Manohar Singh Bhati	IT	CitiusTech	5.5
307	Vijay Sangame	IT	ITC	4.25
308	Prasad Shivaji Patil	IT	Capgemini	4
309	Abhishek Bhilare	IT	Infosys	3.6
310	Shubham Verma	IT	Infosys	6.25
311	Kaustubh Giri	IT	WIPRO	3.5
312	Zoheb Ziauddin Waghu	IT	Infosys	3.6
313	Prasad Thorat	IT	Reliance Jio	4
314	Girish Rajendra Dange	IT	Reliance Jio	4
315	Hrithik Vikram Jain	IT	Reliance Jio	4
316	Shivam Singh	IT	Reliance Jio	4
317	Virat Kannujiya	IT	Magma HDI General Insurance Co Ltd,	3.5
318	Samidha Powar	IT	Reliance Jio	6
319	Akash Khatkale	IT	KOO APP	12
320	Tawheed Chilwan	IT	VOLKSWAGEN	5
321	Sahil Waingankar	IT	Capgemini	3.5
322	Ruchika Panigrahi	IT	GEP	5

323	Aditya S.V	IT	BNP PARIBAS	4
324	Adarshram Ramachandran Nair	MECH	TCS Ninja	3.36
325	Rohit Rajendra Shinde	MECH	TCS Ninja	3.36
326	Sakshi Jitendra Chavan	MECH	TCS Ninja	3.36
327	Soumya Bipin Sharma	MECH	TCS Ninja	3.36
328	Sooraj Sathish	MECH	TCS Ninja	3.36
329	Rahul Ajit Parab	MECH	TCS Ninja	3.36
330	Abhishek Santram Pandey	MECH	Wipro	3.5
331	Sharanya Sharaschandra Bhat	MECH	Wipro	3.5
332	Ritika Jadhav	MECH	DHL Supply Chain India Pvt. Ltd	1.99
333	Tejas Pradeep Markande	MECH	Reliance Retail	3.5
334	Varun Nityanand Samant	MECH	Reliance Retail	3.5
335	Waqar Ahmed Farid Bagdadi	MECH	Reliance Industries	5.5
336	Harshad Ananda Sanas	MECH	Reliance Industries	5.5
337	Krunal Deepak Name	MECH	Jaro	6.6
338	Ahmed Arif Thakur	Mech	Jaro	6.6
339	Apurva Karle	MECH	DHL Supply Chain India Pvt. Ltd	1.99
340	Sanket Kailas Gopale	MECH	Capgemini	4
341	Pratik Dattaraj Deshpande	MECH	Yotta	3.5
342	Kunal Rajkumar Whalmane	MECH	Periurja Pvt ltd	2.4
343	Gauri Jagtap	MECH	Periurja Pvt ltd	2.4
344	Suyog Parkhe	MECH	Periurja Pvt ltd	2.4
345	Amol Mane	MECH	Periurja Pvt ltd	2.4
346	Akash Deshpande	MECH	Periurja Pvt ltd	2.4
347	Suprit Kailas Patil	MECH	WIPRO	3.5
348	Khan Mohd Mudassair Mazhar	MECH	Capgemini/Infosys/Wipro	3.5
349	Siddhesh Korgaonkar	MECH	GEP	5.5
350	Gatti Chetan Ravichandra	MECH	GEP	5.5
351	Ankur Pawar	MECH	Nikhil Comforts	2.6
352	Harsh Bhandari	MECH	Nikhil Comforts	2.6
353	Abhishek Ashok Chavan	MECH	Reliance Jio	4
354	Ameya Yogesh Joshi	MECH	Reliance Jio	4
355	Siddhart Shashidharan	MECH	Abcass India	2.4

356	Vikrant Vijay	MECH	IRD Mechanalysis Limited	3
357	Om Kulkarni	MECH	Burckhardt Compression (India) Pvt. Ltd	4
358	Abhishek Suryavanshi	MECH	Burckhardt Compression (India) Pvt. Ltd	4
359	Vivek Vaishya	MECH	Tritorc Equipments Pvt Ltd	2
360	Husain Nandurbarwala	MECH	D&O Motorsports	3
361	Akarsh Shetty	MECH	Schuff vales	3
362	Jinson Jose	MECH	Hawa Valve	3
363	Akash Shenil	MECH	IIT Bombay	4.08
364	Akash Nair	MECH	NEXA	1.8
365	Hari Menon	MECH	RIKA SOLUTIONS	1.8
366	Chaitanya Patil	MECH	Godrej infotech	3.2
367	Parth Jitendra Sangle	MECH	Capgemini	4
368	Tapasvini Adapala	MECH	Capgemini	4

Faculty

List of Faculty

Automobile Engineering

Sr. No.	Title	Name	Post
1	Dr.	Divya Padmanabhan	Professor & Head
2	Dr.	Basavraj S Talikoti	Associate Professor
3	Mr.	Amey P Marathe	Associate Professor
4	Mr.	Ameya Nijasure	Assistant Professor
5	Ms.	Geeta Karmarkar	Assistant Professor
6	Mr.	Salim Jafri	Assistant Professor
7	Ms.	Kadam Komal Anup	Assistant Professor
8	Mr.	George Varghese	Assistant Professor
9	Mr.	Komal Chilwal	Assistant Professor
10	Mr.	Krishnamohan Menon	Assistant Professor

Computer Engineering

Sr. No.	Title	Name	Post
1	Dr.	Sharvari Govilkar	Professor & Head
2	Dr.	Prashant Nitnaware	Professor
3	Dr.	Sushopti Gawade	Professor
4	Dr.	Niteshkumar A	Associate professor
5	Ms.	Varunakshi Bhojane	Associate Professor
6	Ms.	Gayatri Hegde	Associate Professor
7	Mr.	Sagar Rajendra Kulkarni	Associate Professor
8	Ms.	Madhura Vyawahare	Associate Professor
9	Mr.	Amin Dhiraj	Associate Professor
10	Ms.	Mimi Miriam Cherian	Assistant professor
11	Ms.	Payel Gaurav Thakur	Assistant professor
12	Ms.	Nair Krishnendu	Assistant professor
13	Mr.	Sujit Uday Tilak	Assistant professor
14	Ms.	Deepti Lawand	Assistant professor
15	Mr.	Amol Kharat	Assistant professor

16	Mr.	K S Suresh Babu	Assistant professor
17	Ms.	K S Charumathi	Assistant professor
18	Ms.	Blessy Varghese	Assistant professor
19	Ms.	Sangeetha Selvan	Assistant professor
20	Ms.	Manasi Kulkarni	Assistant professor
21	Ms.	Bhagyashri Patil	Assistant professor
22	Mr.	Sunil Shelke	Assistant professor
23	Ms.	Sheetal Gavande	Assistant professor
24	Ms.	Shubhangi Chavan	Assistant professor
25	Ms.	Supriya Khaitan	Assistant professor
26	Mr.	Dinesh Tharwani	Assistant professor
27	Ms.	Madhri Jha	Assistant professor

Electronics and Telecommunication Engineering

Sr. No.	Title	Name	Post
1	Dr.	Avinash R. Vaidya	Professor & Head
2	Dr.	G Sita	Professor
3	Dr.	Suman Wadkar	Associate Professor
4	Dr..	Tusharika Banerjee	Associate Professor
5	Ms.	Jayashri Bhosale	Associate Professor
6	Mr.	Pragnesh Shah	Associate Professor
7	Dr.	Biswajit Rajaram Panda	Associate Professor
8	Ms.	Suchitra Patil	Assistant Professor
9	Ms.	Sonali Kathare	Assistant Professor
10	Ms.	Sweta Waghmare	Assistant Professor
11	Ms.	Liril Chiramel	Assistant Professor
12	Mr.	Ameet Mehta	Assistant Professor
13	Mr.	Swapnil Gourkar	Assistant Professor
14	Mr.	Yogesh Kene	Assistant Professor
15	Ms.	Harsha Sharma	Assistant Professor
16	Ms.	Patole Ruchira	Assistant Professor
17	Ms.	Aboli Khedkar	Assistant Professor

18	Mr.	IshmeetSingh Riar	Assistant Professor
19	Mr.	Dinesh Tiwari	Assistant Professor
20	Ms.	Manisha Singh	Assistant Professor
21	Ms.	Florence Simon	Assistant Professor
22	Dr.	Shishir Jagtap	Associate Professor

Electronics & Computer Science

Sr. No.	Title	Name	Post
1	Dr.	Monika Bhagwat	Professor & Head
2	Dr.	P. S. Goyal	Professor
3	Dr.	R. H. Khade	Professor
4	Dr.	Sanjeev Kumar Srivastava	Associate Professor
5	Dr.	Ravi Biradar	Associate Professor
6	Mr.	Ujwal Harode	Associate Professor
7	Ms.	Padmaja D.Bangde	Assistant Professor
8	Mr.	Ajit V Saraf	Assistant Professor
9	Ms.	Sneha Keshav Chikodi	Assistant Professor
10	Ms.	Meera Kharat	Assistant Professor
11	Ms.	Seema Mishra	Assistant Professor
12	Ms.	Deepti Sasidharan Nair	Assistant Professor
13	Ms.	Swati Patil	Assistant Professor
14	Ms.	Rubina Afzal Shaikh	Assistant Professor
15	Ms.	Uma K S	Assistant Professor
16	Mr.	B. Hariharan	Assistant Professor
17	Ms.	Apeksha Chavan	Assistant Professor

Information Technology

Sr. No.	Title	Name	Post
1	Dr.	Satishkumar L Varma	Professor & Head
2	Dr.	P S Lokhande	Professor
3	Dr.	Madhu M Nashipudimath	Associate Professor

4	Dr.	Mahendra D. Khandkar	Associate Professor
5	Mr.	Hitesh Modi	Assistant Professor
6	Dr.	Shreedevi Kulkarni	Assistant Professor
7	Mr.	Suhas Lawand	Assistant Professor
8	Ms.	Vijayabharathi J	Assistant Professor
9	Ms.	Smita Joshi	Assistant Professor
10	Mr.	Jinesh Melvin Y. I.	Assistant Professor
11	Ms.	Shweta Patil	Assistant Professor
12	Ms.	Sowmya P	Assistant Professor
13	Ms.	Pingale Pranita	Assistant Professor
14	Mr.	Ninad Gaikwad	Assistant Professor
15	Ms.	Tejali Mhatre	Assistant Professor
16	Ms.	Yugandhara Gawand	Assistant Professor
17	Ms.	Vasavi Alamuri	Assistant Professor
18	Ms.	Diksha Kale	Assistant Professor
19	Mr.	Christopher Uzhuthuval	Assistant Professor
20	Ms.	Prerana Kulkarni	Assistant Professor
21	Ms.	Vrushali Bahurupi	Assistant Professor
22	Mr.	Anup Vanage	Assistant Professor

Mechanical Engineering

Sr. No.	Title	Name	Post
1	Dr.	Sandeep M Joshi	Professor & Principal
2	Dr.	Priam Pillai	Professor
3	Dr.	Dhanraj P Tambuskar	Professor & Head
4	Dr.	Richa Agrawal	Associate Professor
5	Dr.	Rashed Ali	Associate Professor
6	Dr.	Gajanan Thokal	Associate Professor
7	Mr.	Miriyala Durga N.K.P.Rao	Associate Professor
8	Mr.	Pruthaviraj Rahane	Assistant Professor
9	Mr.	Binsu Babu	Assistant Professor

10	Mr.	Jagdish Kelkar	Assistant Professor
11	Ms.	Vaishali Kumbhar	Assistant Professor
12	Mr.	M Shiva Pradeep	Assistant Professor
13	Mr.	Lalit Mehta	Assistant Professor
14	Ms.	Shilpa Mondkar	Assistant Professor
15	Mr.	Bhagvan More	Assistant Professor
16	Mr.	Shahid Mohammed Shaikh	Assistant Professor
17	Ms.	Meeta Vedpathak	Assistant Professor
18	Mr.	Tikaram Verma	Assistant Professor
19	Mr.	Manikant Verma	Assistant Professor
20	Mr.	Vinayak Suryawanshi	Assistant Professor
21	Ms.	Surabhi Nikale	Assistant Professor
22	Mr.	Bhamare Manoj	Assistant Professor
23	Mr.	Arun Raju Koshy	Assistant Professor
24	Dr	Jeet Patil	Assistant Professor
25	Ms.	Namita Dhundare	Assistant Professor

Applied Science, Mathematics and Humanities

Sr. No.	Title	Name	Post
1	Dr.	Pillai Arun	Associate Professor
2	Dr.	Pillai Manju	Associate Professor
3	Dr.	Snigdha Saxena	Assistant Professor
4	Dr.	Anshu Murarka	Associate Professor
5	Dr.	Malvika Sharma	Associate Professor
6	Mr.	Ravindra Nikam	Associate Professor
7	Dr.	Sachin Wani	Associate Professor
8	Dr.	Sundeep Deulakr	Associate Professor
9	Dr.	Surabhi Singh	Associate Professor
10	Dr.	Deepali Shrivastava	Associate Professor
11	Mr.	Sangit Mhatre	Associate Professor
12	Ms.	Archana Ingole	Assistant Professor
13	Ms.	Darshana Pachkawade	Assistant Professor

14	Ms.	Kamini Chaudhari	Assistant Professor
15	Dr.	Leena Potdar	Assistant Professor
16	Ms.	Lilly Pradhan	Assistant Professor
17	Mr.	Maheshkumar Kudre	Assistant Professor
18	Ms.	Neethu P	Assistant Professor
19	Ms.	Rakhee Nair	Assistant Professor
20	Ms.	Sonali Nikam	Assistant Professor
21	Ms.	Suvarna Gaikwad	Assistant Professor
22	Mr.	Deshmukh Vishal	Assistant Professor
23	Ms.	Sonali Phadke	Assistant Professor
24	Mr.	Akshay Kohle	Assistant Professor
25	Mr.	Swapnil Sagare	Assistant Professor

List of faculty with Ph.D qualification

Sr. No.	Name of Faculty	Department	PhD. Qualifying year
1	Dr. Premsagar Goyal	Electronics and Computer Science	1979
2	Dr. Snigdha Saxena	Applied Science, Mathematics and Humanities	1994
3	Dr. Malvika Sharma	Applied Science, Mathematics and Humanities	2000
4	Dr. Manju Pillai	Applied Science, Mathematics and Humanities	2001
5	Dr. Mahendra Khandkar	Information Technology	2001
6	Dr. G Sita Purnaiah	Electronics and Telecommunication Engineering	2002
7	Dr. Sundeep Deulakr	Applied Science, Mathematics and Humanities	2006
8	Dr. Arun Pillai	Applied Science, Mathematics and Humanities	2008
9	Dr. Anshu Murarka	Applied Science, Mathematics and Humanities	2010
10	Dr. Surabhi Singh	Applied Science, Mathematics and Humanities	2010
11	Dr. Deepali Shrivastava	Applied Science, Mathematics and Humanities	2010
12	Dr. Biswajit Panda	Electronics and Telecommunication Engineering	2011
13	Dr. Priam Pillai	Mechanical Engineering	2011
14	Dr. Satishkumar Varma	Information Technology	2013
15	Dr. Sachin Wani	Applied Science, Mathematics and Humanities	2014
16	Dr. Avinash Vaidya	Electronics and Telecommunication Engineering	2015
17	Dr. Dhanraj Tambuskar	Mechanical Engineering	2015
18	Dr. Sharvari Govilkar	Computer Engineering	Feb-17
19	Dr. Sandeep Murlidhar Joshi	Mechanical Engineering	May-17
20	Dr. Divya Padmanabhan	Automobile Engineering	June - 17

21	Dr. Basavaraj Talikoti	Mechanical Engineering	Aug - 17
22	Dr. Rajendrakumar H Khade	Electronics and Computer Science	May-18
23	Dr. Prashant S. Lokhande	Information Technology	Feb-18
24	Dr. Sanjeev Kumar Srivastava	Electronics and Computer Science	Jul-18
25	Dr. Richa S Agrawal	Mechanical Engineering	Sep-18
26	Dr. Prashant Nitnaware	Computer Engineering	Apr-19
27	Dr. Sushopti Gawade	Computer Engineering	Aug-19
28	Dr. Rashed Ali	Mechanical Engineering	Jun-19
29	Dr. Shreedevi Kulkarni	Information Technology	June - 19
30	Dr. Jeet Patil	Mechanical Engineering	May 20
31	Dr. Madhu M Nashipudimath	Information Technology	July-20
32	Dr. Gajanan N Thokal	Mechanical Engineering	July-20
33	Dr. Monika Bhagwat	Electronics and Computer Science	July-20
34	Dr. Kuberal S	Applied Science, Mathematics and Humanities	Sep - 20
35	Dr. Suman P Wadkar	Electronics and Telecommunication Engineering	April - 21
36	Dr. Leena Potdar	Applied Science, Mathematics and Humanities	Sep - 21
37	Dr. Ravi Biradar	Electronics and Computer Science	Feb - 22
38	Dr. Niteshkumar Agrawal	Computer Engineering	July - 21
39	Dr. Tusharika Banerjee	Electronics and Telecommunication Engineering	Dec - 21
40	Amey P Marathe	Automobile Engineering	Pursuing Ph.D.
41	Sagar Kulkarni	Computer Engineering	
42	Dhiraj Amin	Computer Engineering	
43	Madhura Vyawahare	Computer Engineering	
44	Mimi Miriam Cherian	Computer Engineering	

45	Gayatri H Hegde	Computer Engineering	
46	Supriya Khaitan	Computer Engineering	
47	Seema Mishra	Electronics and Computer Science	
48	Ujwal Harode	Electronics and Computer Science	
49	Ameet Mehta	Electronics and Telecommunication Engineering	
50	Yogesh V Kene	Electronics and Telecommunication Engineering	
51	Pragnesh Shah	Electronics and Telecommunication Engineering	
52	Suchitra Patil	Electronics and Telecommunication Engineering	
53	Ruchira Patole	Electronics and Telecommunication Engineering	
54	Aboli Khedkar	Electronics and Telecommunication Engineering	
55	Y. I. Jinesh Melvin	Information Technology	
56	Suhas Lawand	Information Technology	
57	Vijayabharati J	Information Technology	
58	Pruthviraj P Rahane	Mechanical Engineering	
59	Geeta Karmarkar	Mechanical Engineering	
60	Ameya Pradip Nijasure	Mechanical Engineering	
61	Binsu Babu	Mechanical Engineering	
62	Vinayak Suryawanshi	Mechanical Engineering	
63	Meeta Vedpathak	Mechanical Engineering	
64	Namita Dhundre	Mechanical Engineering	
65	Ravindra Nikam	Applied Science, Mathematics and Humanities	
66	Kamini Chaudhary	Applied Science, Mathematics and Humanities	
67	Archana Ingole	Applied Science, Mathematics and Humanities	

Research Publication by Faculty

Sr. No.	Branch	No of Publications
1	Automobile Engineering	**3**
2	Computer Engineering	**34**
3	Electronics and Telecommunication Engineering	**2**
4	Electronics and Computer Science	**1**
5	Information Technology	**7**
6	Mechanical Engineering	**9**
7	Applied Science, Mathematics and Humanities	**9**
Total		**65**

Department of Automobile Engineering

SN	Title of paper/Book	Name of the Author/s	Name of Journal/ Conference/Publisher
1.	Development of Low-Cost Optimal Magneto-Rheological Damper for Automotive Application	Prof. Amey Marathe	Journal of Vibration Engineering and Technologies
2.	Development and testing of Low Cost Magneto-Rheological (MR) fluid using flake shaped magnetizable particles	Prof. Amey Marathe	Materials Today : Proceedings,2021
3	Energy storage with Aluminum-Air Battery	Dr.Divya Padmanabhan	National Symposium on Electrochemical Science and Technology [NSEST-2021]

Department of Computer Engineering

SN	Title of paper/Book	Name of the Author/s	Name of Journal/ Conference/Publisher
1.	Conceptual Framework By Visual Question And Answering System	Sharvari Govilkar	International Journal of Creative Research Thoughts
2.	A Decentralized Application for Secure Private and Group Messaging in a Peer-to-Peer Environment	Sharvari Govilkar	International Research Journal of Engineering and Technology
3.	Open Domain Question Answering System"	Sharvari Govilkar	International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) Volume 10, Issue 1, January 2022
4.	Comparative Analysis for Sarcasm Detection in Hindi Text using Three Approaches: Word Embedding, Context based Approach & Machine Learning	Sharvari Govilkar	International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) Volume 10, Issue 1, January 2022
5.	Multimedia Teaching Learning Methodology And Result Prediction System Using Machine Learning	Sushopti Gawade	Journal of Engineering Education Transformations,
6.	Student Learning Time Analysis During Covid-19 Using Linear Programming - Simplex Method	Sushopti Gawade	Social Sciences & Humanities Open, Elsevier
7.	Highly Sensitive Plus Shaped Cavity In Silicon Fiber For Ri Detection Of Water Samples	Niteshkumar Agarwal	Silicon, Springer
8.	Recent Advancements In Plasmonic Optical Biosensors: A Review	Niteshkumar Agarwal	ISSS Journal of recent advancements
9.	A Plus Shaped Cavity In Optical Fiber Based Refractive Index Sensor	Niteshkumar Agarwal	IEEE Transaction on NanoBioscience,
10.	Voice Controlled E-Commerce Web App	Gayatri Hegde	International Research Journal of Engineering and Technology
11.	Contactless temperature Monitoring And face Mask Detection With alert System	Gayatri Hegde	International Research Journal of Engineering and Technology
12.	Indian Sign Language Translation For Hard-Of-Hearing And Hard-Of-Speaking Community	Gayatri Hegde	International Research Journal of Engineering and Technology

13.	Data Analysis And Data Visualization: A Case Study On Analysis Of Best Home/Hotel Dataset	Sagar Rajendra Kulkarni	An International Multidisciplinary Half Yearly Research Journal
14.	Smart Reservation And Accommodation System	Mimi Mariam Cherian	GIS Science Journal
15.	Covid 19 :Face Mask Detector	Mimi Mariam Cherian	GIS Science Journal
16.	Predicting Hotel Booking Cancellation Using Machine Learning Algorithms	Payel Gaurav Thakur	International Journal of Engineering Science and Computing
17.	Deepfake Detection For Video Using Deep Learning	Nair Krishnendu	International journal for science and advance research in technology
18.	Data Outflow Detection With Guilty Agent Tracking	Deepti Lawand	International Research Journal of Engineering and Technology
19.	Forey: An Android Application For The Visually Impaired	Deepti Lawand	International Research Journal of Engineering and Technology
20.	Foodmate: A Social Networking Web Application For Foodies	Deepti Lawand	International Research Journal of Engineering and Technology
21.	Detection And Comparative Analysis Of Cyberbullying Behaviour In Twitter Data Using Multiclass Classification Algorithms	KS Charumathi	International Journal of Creative Research Thoughts
22.	Exploring The Dark Web For Cyber Threat Intelligence	KS Charumathi	International Journal of Scientific Research in Engineering and Management
23.	Gaze Gesture Authentication System Against Shoulder Surfing Attacks	KS Charumathi	International Journal of Scientific Research in Engineering and Management
24.	Classification Of Imbalanced Medical Data: An Empirical Study Of Machine Learning Approaches	Supriya Khaitan	Journal of Fuzzy and Intelligent System
25.	Fault Aware Intelligent Resource Allocation Using Big Bang-Big Crunch Trained Neural Network for Cloud Infrastructure’	Supriya Khaitan	Journal of Fuzzy and Intelligent System
26.	Feature Extraction From Radiology Images For Visual Question Answering System Using Cnn And Bilstm Model	Sushopti Gawade	Recent Innovations in Computing , Springer

27.	Student Learning Analysis With Impact Of Self-Learning And Effectiveness During Covid-19	Sushopti Gawade	Recent Innovations in Computing , Springer
28.	A Sensors-Based Solar-Powered Smart Irrigation System Using Iot	Sushopti Gawade	Recent Innovations in Computing , Springer
29.	Usability Improvements In E-Governance Application With Simple & Usable Interface Using Citizen-Satisfaction-Model-Of-Performance-Related-Pay	Sushopti Gawade	Recent Innovations in Computing , Springer
30.	Investigation Of Glucose Sensor By Using Plasmonic Mim Waveguide Based Mzi	Niteshkumar Agarwal	International Microwave and RF Conference (IMaRC) 2021, Indian IIT Kanpur
31.	To Devise And Implement Effective Stemming Algorithm For Text Mining And Association Rule Mining	Sagar Rajendra Kulkarni	International Conference on Techno-Innovative Practices for Sustainable Business Resilience organized by DYPIMR, Pune
32.	Mitigation Of Ddos And Mitm Attacks Using Belief Based Secure Correlation Approach In Sdn-Based Iot Networks	Mimi Mariam Cherian	I. J. Computer Network and Information Security, Modern Education & Computer Science Press
33	Implementation Of Ms Pacman Using Monte Carlo Search Tree	Nair Krishnendu	International conference on cognitive and intelligent Computing
34	Diagnosing Alzheimer'S Disease Using Deep Learning Techniques	Supriya Khaitan	Evolving Role of AI and IoMT in the Healthcare Market, Springer.

Department of Electronics and Telecommunication

SN	Title of paper/Book	Name of the Author/s	Name of Journal/ Conference/Publisher
1.	Sheet Beam Driven Metamaterial Backward Wave Oscillator	Dr. Tusharika S Banerjee	IEEE International Conference on Plasma Sciences-ICOPS
2.	Impact on Efficiency of high-power vacuum electron devices inspired by metamaterials:A Review	Dr. Tusharika S Banerjee	International Symposium on Vacuum Science & Technology and its applications in Accelerators

Department of Electronics and Computer Science

SN	Title of paper/Book	Name of the Author/s	Name of Journal/ Conference/Publisher
1.	Disturbance Rejection and Harmonic mitigation for Solid State Transformer through Passivity Based Control	Dr Monika Bhagwat	2021 IEEE 30th International Symposium on Industrial Electronics

Department of Information Technology

SN	Title of paper/Book	Name of the Author/s	Name of Journal/ Conference/Publisher
1.	Identification of key genes associated with survival of glioblastoma multiforme using integrated analysis of TCGA datasets	Dr. Satishkumar Varma	Elsevier Computer Methods and Programs in Biomedicine Update
2.	Mitigation of DDOS and MiTM Attacks using Belief Based Secure Correlation Approach in SDN-Based IoT Networks	Dr. Satishkumar Varma	International Journal of Computer Network & Information Security
3.	Depression Prediction using BERT and SVM	Dr. Madhu N	International Research Journal of Engineering and Technology
4.	Detection of Sarcasm through Tone Analysis on video and Audio files: A Comparative Study On Ai Models Performance	Vijaya Bharathi Jagan	International Journal of Computer Science and Engineering
5.	Real Time Sign Language Detection	Shweta Patil	International Research Journal of Engineering and Technology
6.	Detection of Emotional Cues of Depression Due to COVID-19 Pandemic	Dr. Satishkumar Varma	Pandemic Detection and Analysis through Smart Computing Technologies
7.	Integration of IoT and SDN to Mitigate DDoS with RYU Controller	Dr. Satishkumar Varma	Computer Networks, Big Data and IoT, Springer Nature Singapore

Department of Mechanical Engineering

SN	Title of paper/Book	Name of the Author/s	Name of Journal/ Conference/Publisher
1.	Investigation of temperature distribution and solidification morphology in multilayered directed energy deposition of Al- 0.5Sc-0.5Si alloy	Dr. Jeet P Patil	International Journal of Heat and Mass Transfer
2.	A unified modeling approach and experimental validation to predict the mechanical properties in age hardened magnesium alloys	Dr. Jeet P Patil	Mechanics of Materials
3.	A Review on the Material Development and Corresponding Properties for Power Plant Applications	Dr. Jeet P Patil	Materials Performance and Characterization
4.	Identification of Critical Factors for Big Data Analytics Implementation in Sustainable Supply Chain in Emerging Economies	Dr. D. P. Tambuskar	Journal of Engineering, Design and Technology (Emrald publications)
5.	CFD Investigation of Convective Heat Transfer in Spiral Coiled tubes	Dr Rashid Ali	Journal of Emerging Technologies & Innovation Research
6.	Development and Modifications in Solar Still: A Review	Dr Rashid Ali	International Journal of Thermal Energy and Applications
7.	CFD Analysis of Heat Transfer in Spiral Coil	Dr Rashid Ali	Conference on Technologies for Future Cities 2021
8.	Applicability of Big Data Analytics in Sustainable Supply Chain Management: A Proposed Framework	Dr. D P Tambuskar	Conference Proceedings on Technologies for Future Cities
9.	Challenges and Alternatives for Application of New Refrigerants in Hvac & R Products	Prof. Shaikh Mohammed Shahid	Conference Proceedings on Technologies for Future Cities

Department of Applied Science, Mathematics and Humanities

SN	Title of paper/Book	Name of the Author/s	Name of Journal/ Conference/Publisher

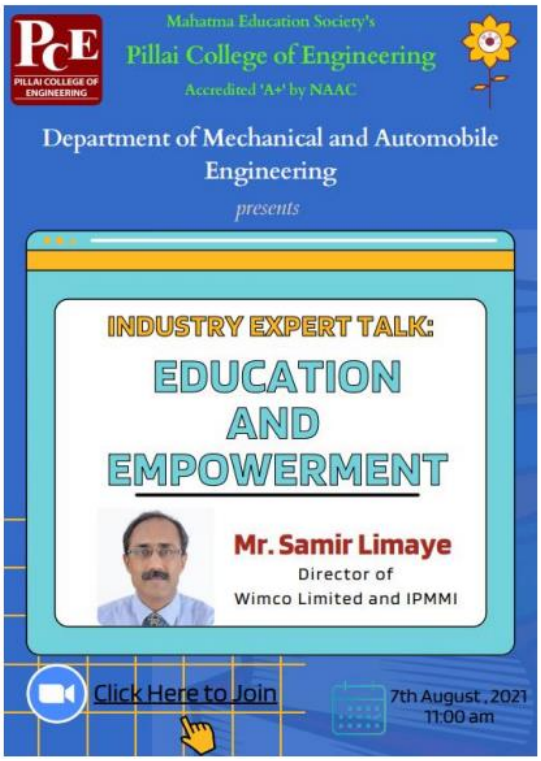
1.	Synthesis of Polymer films with low Dielectric Constant (k)	Dr Deepali Shrivastava	IOP-Journal of Physics: Conference Series
2.	Synthesis and Characterization of Biodiesel Prepared by Used and Unused Sunflower Oil through Transesterification Process	Dr Deepali Shrivastava	3rd International Oil & Gas Chemistry, Chemicals and Additives Conference
3.	Effect of convection boundary condition on hyperbolic heat conduction in thermoelastic media	Kamini K Chaudhari	Journal of Mathematical and Computational Science
4.	Reduced differential transform method for thermoelastic problem in hyperbolic heat conduction domain	Kamini K Chaudhari	International journal of Applied Mechanics and Engineering
5.	Synthesis and Characterization of Biodiesel Prepared by Used and Unused Sunflower Oil through Transesterification Process	Dr Biswajit Panda, Dr Manju Pillai, Dr Surabhi, Sangit Mahatre, Sonali Mulik	3rd International Oil & Gas Chemistry, Chemicals and Additives Conference

Guest Lectures/ Seminars/Workshops/Webinars/FDPs organized by Departments

Department of Automobile and Mechanical Engineering

Sr. No.	Name of Activity	Date	Organizers	Speaker
1	Education and Empowerment	7th August, 2021	Divya Padmanabam, Dhanraj Tambuskar, Shiva Pradeep, Tikaram Verma	Mr. Samir Limaye (Director of Wimco Limited and IPMMI)
2	Deep Learning – A Revolution in Mechanical and Automobile Industry	14th August, 2021		Siddhesh Gunjal
3	Applications and Opportunities in MATLAB and Simulink	21st August, 2021		Mr. Rupesh Gosavi (Senior Manager at TATA Motors)
4	Artificial Intelligence and Machine Learning in Industry	4th September, 2021		Mr. Rajesh Jakhotia
5	Solidworks Tips and Tricks	4th - 5th September, 2021	Prof. Ameya Nijasure & Prof. Binsu Babu	Prof. Ameya Nijasure & Prof. Binsu Babu
6	Preparing for Meaningful Careers - Competencies for Engineering Graduates	18th September, 2021	Divya Padmanabam, Dhanraj Tambuskar, Shivapradeep, Tikaram Verma	Prof. R Krishnan
7	Indian Armed Forces and Career Opportunities	25th September, 2021		Commodore SL Deshmukh (Nausena Medal, Retired)
8	2D Drafting Basics	September - October 2021	Prof. Ameya Nijasure & Prof. Binsu Babu	Prof. Ameya Nijasure & Prof. Binsu Babu
9	Industry 4.0 Robotics & Automation	18th -31st October 2021	Prof. Salim Jafri	Prof. Salim Jafri
10	Report Writing Workshop	23rd - 24th October 2021 5th - 6th March 2022	Dr. Divya Padmanabhan, Dr. Richa Agrawal & Prof. Ameya Nijasure	Dr. Divya Padmanabhan, Dr. Richa Agrawal & Prof. Ameya Nijasure

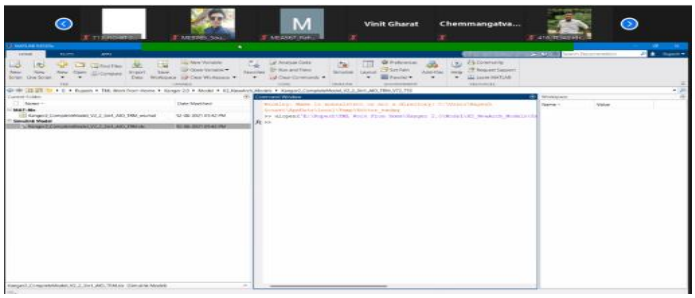
11	How to write a Research Paper	29th October, 2021	Dr. Gajanan N. Thokal	Dr. Gajanan N. Thokal
12	Geometric Dimensioning and Tolerance	15th - 31st January 2022	Prof. Ameya Nijasure & Prof. Binsu Babu	Prof. Ameya Nijasure & Prof. Binsu Babu
13	Nuclear Energy And Safety Regulation	27th January 2022	Divya Padmanabam, Dhanraj Tambuskar, Shiva Pradeep, Tikaram Verma	Dr. Obaidurrahman & Shri. Parikshat Bansal
14	Value Added Course on ANSYS	15th February - 19 April 2022	Dr. Richa Agrawal, Prof. Binsu Babu & Prof. Ameya Nijasure	Dr. Richa Agrawal, Prof. Binsu Babu & Prof. Ameya Nijasure
15	Machinery Maintenance	9th, 14th & 16th April 2022	Prof. Jagdish Kelkar	Prof. Jagdish Kelkar and Team
16	Solidworks Global Certification Course			



Deep Learning – A Revolution in Mechanical and Automobile Industry

Deep Learning has a great approach to the Mechanical and Automobile Sector in the past few years and will get more vital in the coming decades. It is being evolved as a crucial practice in the Industries such as Automotive, Manufacturing, Digital Assistance (IoT) and much more. The speaker Mr. Siddesh Gunjal (ML & Extended Reality Developer at Live Pixel Technologies), (Alumnus, Mechanical PCE) shared his idea about how AI actually works on various projects. What is Deep Learning and when and where it has to be applied for best results. He also shared his experience and his future projects.

Applications and Opportunities in MATLAB and Simulink



Mechanical and Automobile Engineers require MATLAB and Simulink to analyze problems in basic engineering mechanics, mechanical vibrations, control system, statistics and dynamics of different circuits and to model the entire control of a mechanical system. MATLAB is probably the all-rounder tool for simulations, programming, graphs, measurement & automation and statistics for an engineer.

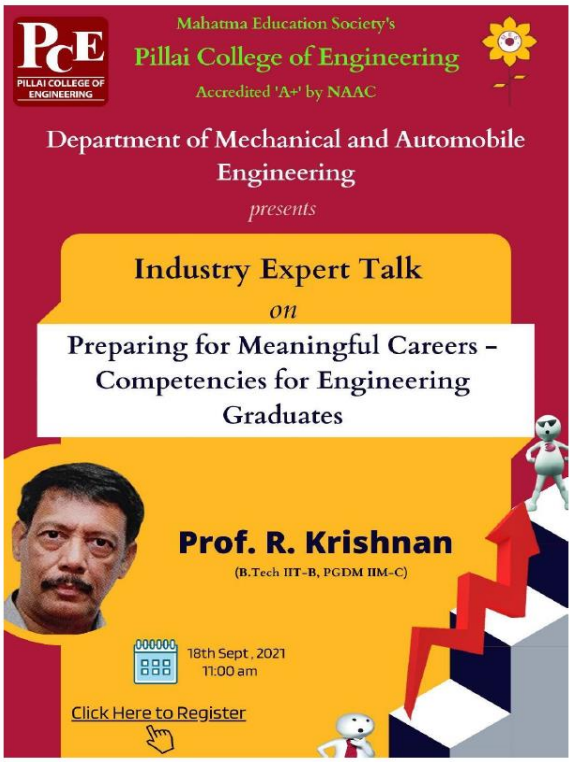
Artificial Intelligence and Machine Learning in Industry

Mr. Rajesh is a Business Intelligence and Analytics Professional with over 20+ years of experience. In this talk he shared his various experiences and also spoke about how he runs his firm. He explained to the participants various factors that can be accessed by Machine Learning. He also spoke about how the industry has evolved over the past years and has been shifting to AI and Machine Learning. The main take away from the talk for the students was, in the current world AI and Machine Learning have a great future and they will play a very crucial role in the advancement of industries in the near future.

Solidworks Tips and Tricks

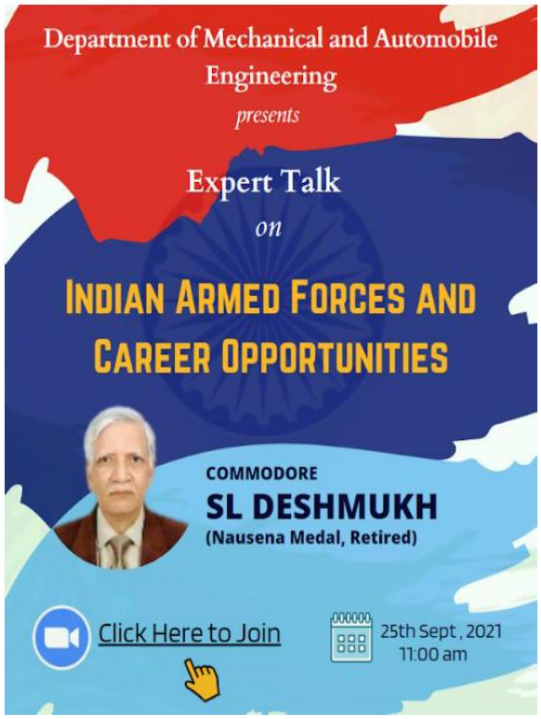
Primary objective of this webinar is to make participants aware about various shortcuts, tips & tricks available in solidworks. This will make software handling more easy and effective. More than 45 tips & tricks were shared by instructors over 2 day's sessions. Received positive feedback from participants during sessions and hands on practice.

Preparing for Meaningful Careers - Competencies for Engineering Graduates



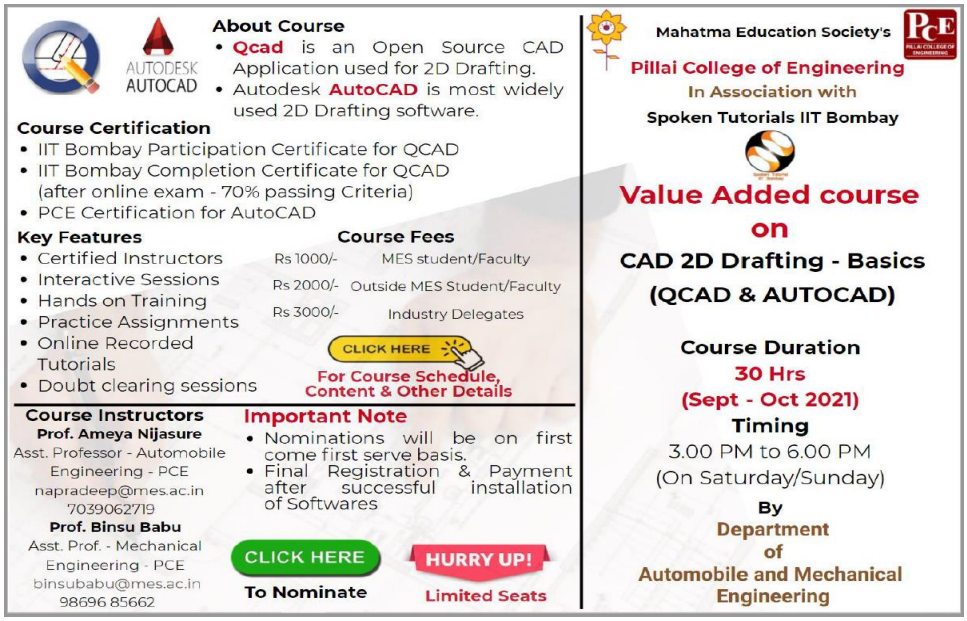
The speaker for the talk was Prof. Krishnan who is an Electrical Engineer from IIT Bombay and a Post graduate in Management from IIM Calcutta, with over 31 years of experience in the corporate world across manufacturing and service sectors. In his talk, he spoke about his experiences and how the world has changed from his time to ours. He gave us an insight about what to do after completing our degree and why not to stick to one position all the time. He spoke about why to change the fields and not to stick to one particular sector as then only we could study the market in detail and then only we could explore. He also explained the importance of time in professional life and how to manage it. He gave some key phrases to find where one's interest lies.

Indian Armed Forces and Career Opportunities



The Speaker Commodore SL Deshmukh is Nausena Medal, Retired and has served the country for 32 years. The talk was mainly centered about the career opportunities that the Armed forces have in store for the graduates. The topics that the meet covered mainly included the Armed force budget overview, Acquisition Programs, Emerging Transformational changes, career opportunities etc. Various armed forces programs was also briefly discussed which includes replacement ZUK-123 guns (Air Defense), Guns (Towed and light weight), self-propelled guns, replacement of old missile systems,small arms, LUH, Drones, upgrades BMP-II, FICV/FRCV etc. The role of other Indian Companies in the field of military was also discussed. The talk was concluded by mentioning that there are clear chances for the youth of the Country in the Indian Armed Forces.

2D Drafting Basics



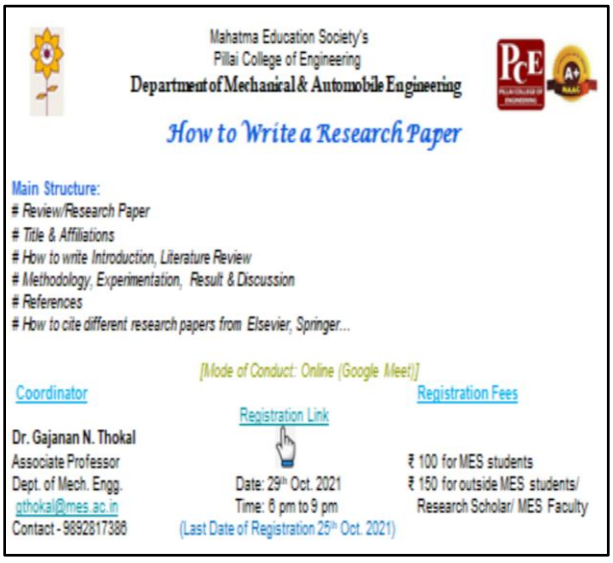
2D Drafting is an important skill required for Mechanical & Automobile students at undergraduate level. Autodesk AUTOCAD is most commonly used 2D drafting software in industry and QCAD is easy, open source software available that is user-friendly, easy to install. Sessions on QCAD were conducted in association with IIT Bombay Spoken tutorials. QCAD certification exam was conducted online on 15

Nov 2021. The participants had great learning through the spoken tutorials videos, daily interactive sessions by the organizers on AutoCAD and Qcad, and assignments.

Report Writing Workshop

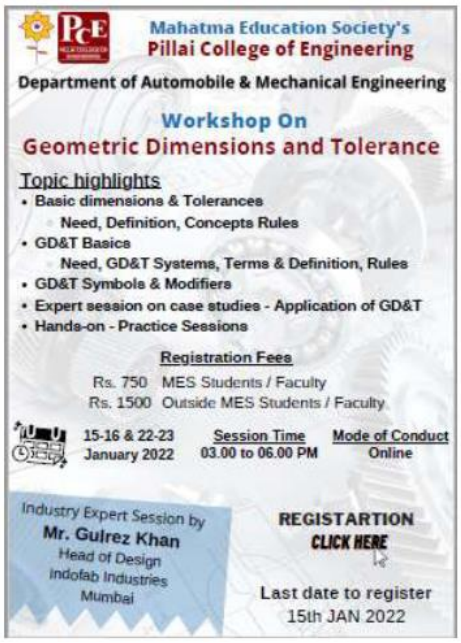
Primary objective of this workshop is to make students aware about various report writing tricks in MS Word. Automation of various things in reports makes editing and formatting easy. The participants were given a hands-on session for making a project report including table of contents, citations, page layout, etc.

How to write a Research Paper



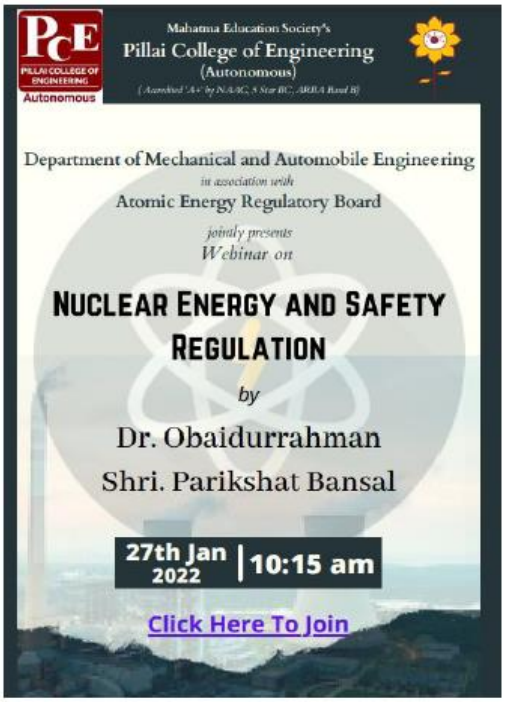
The content of the webinar was what are review papers & research papers, how to write an affiliation, what should one write in an abstract, introduction, literature review, experimentation methods, results and conclusion. Discussion was done on UGC approved journals plagiarism check, title correction, word count, spell check with the help of small seo tool as well as unpaid Scopus index journals which can publish research papers without much more delay.

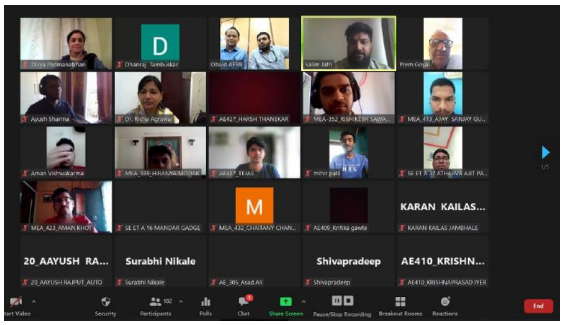
Geometric Dimensioning and Tolerance



The Geometric Dimensions & Tolerance workshop included five sessions in a complete course covering basics concepts with practice exercises and industrial expert talk to bridge the gap between industry – academia. All sessions were interactive and participants were eager to learn and understand the basics concepts of GD&T. Industrial Expert Mr. Gulrez Khan, Head of design, Indofab Industries, Mumbai joined for the last session to discuss actual application of GD&T in industry with case studies.

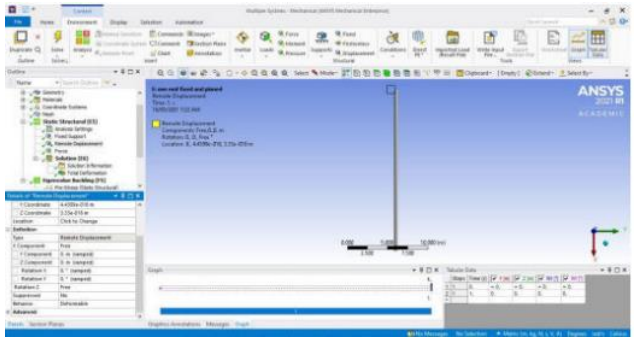
Nuclear Energy And Safety Regulation





Nuclear power plants are among the safest and most secure facilities in the world. But accidents can happen, adversely affecting people and the environment. To minimize the likelihood of an accident safety regulation plays a very important role. The speaker is involved in safety review and analysis of Indian power plants, also as collaborator of R&D project and visiting faculty in mechanical engineering. In his talk sir has presented a historical perspective of nuclear energy, Fission reactor basics, reactor components and working, Emerging trends and Indian perspective.

Value Added Course on ANSYS



Value added course on ANSYS was organized to impart in-depth skills to perform finite element simulation of various mechanical systems and make the students industry ready. Primary objective of this workshop is to make students aware about the use of ANSYS as an application of FEA. Course content was delivered on two different modules of ANSYS i.e Ansys APDL & Ansys Workbench along with the theoretical background of each type of analysis in detail.

Machinery Maintenance

Primary objective of this workshop was to make participants aware of the basics of machinery mechanical maintenance . Various jobs of dismantling and assembling of components of lathe were performed. The workshop gave practical knowledge about machine overhaul and maintenance.

Solidworks Global Certification Course

During the Academic year 2021-22 there were five Global Certification courses on CSWA and CSWP run in the institute. A total of three CSWA Courses were floated comprising 77 students from Mechanical Engineering Department and 40 students from Automobile Engineering Department , alongwith two CSWP courses were floated comprising 13 students from Mechanical Department and 13 students from 13 students from Automobile Department. The Global Certification program was conducted by Prof. Binsu Babu from the Mechanical Department and Prof. Ameya Nijasure from the Automobile Department.

Department of Computer Engineering and Information Technology

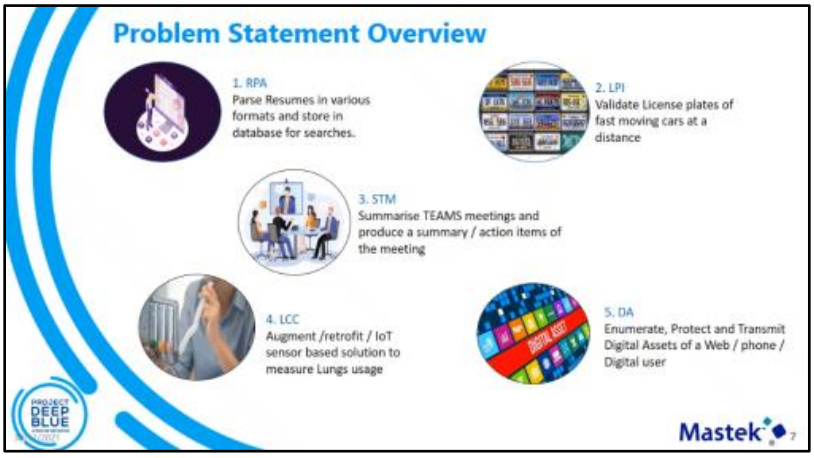
Sr. No.	Name of Activity	Date	Organizers	Speaker
1	Industry Expert talk on "Start-Up and Entrepreneurship Development "	24/07/2021	Dr. Sushopti D. Gawade	Ms. Ramchandra Prabhu Salgaonkar, (Founder of Amaze Warriors GOA, Resource person for Goa State innovation Council)
2	Orientation program on Deep Blue Season 7	4/9/2021	Masket	Mr. Akhil Singhal, Masket
3	Orientation program on National level Manthan Hackathon	4/9/2021	Ministry of Education's innovation cell, AICTE along with BPR&D	Ministry of Education's innovation cell
4	Industry expert talk on "Leadership for Youth "	6/10/2021	Dr. Sushopti D. Gawade, Dr. Madhu N	Ms. Mansi Thakkar, Leadership Trainer, System LLP
5	Industry expert talk on "Stepping into The Video Game Industry "	19/02/2022	Dr. Sushopti D. Gawade, Dr. Madhu N	Mr. Krishna Mehta, Senior Game designer, Cricket Games, Australia
6	Online Expert Talk on Finance and Wealth Management - "What you need to know about personal finance"	24/02/2022	IIC PCE	Ms. Hansi Mehrotra, Founder Money Hans
9	Expert Talk on "Research Methodology and IPR "	14/03/2022	PCE	Dr. Sanjay N. Talbar Professor Department of Electronics and Telecommunication Engineering, at Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded,
10	Expert Talk on "Start-up Journey of SKINZY and Essentials of AIML in Healthcare"	29/03/2022	Dr. Sushopti D. Gawade, Dr. Madhu N	Mr. Darshan Savalia (CEO and Co-Founder of a Health Tech Startup)
11	Industry expert talk on Career in Cyber Security	05/04/2022	Dr. Sushopti D. Gawade, Dr. Madhu N	Mr. Nikhil Mahadeshwar (Proprietor at Feather's Group)
12	Expert Talk on "Why Entrepreneurship Matters?"	13/04/2022	PCE	Mr. Raghvendra Lola, CIO, The Crazy Entrepreneur, Student, Department of Computer Engineering

13	Seminar on Internship in Cyber security and Digital Forensics in collaboration with Cyber secured India	18/06/2022	Ms. Sheetal Gawande	Mr. Nikhil Mahadeshwar Mr. Mahadev Gavas Mr. Kirankumar Subuddhi Cyber secured India
14	Expert Talk on Fundamentals of Computer	25/06/2022	Ms. Sheetal Gawande	Mr. Mahadev Gavas Cyber secured India
15	Expert Talk on XSS	26/06/2022	Ms. Sheetal Gawande	Mr. Mahadev Gavas Cyber secured India
16	Cloud Based Customer Relationship Management	25/09/2021	Dr. Sushopti D. Gawade / Dr. Madhu N.	Mr. Karthik Dineshan, (Business Integration Architect, Accenture.)

Start-Up and Entrepreneurship Development

Starting a company can be a challenging venture but a rewarding one. Having a great idea and attempting to bring it to market comes with a host of challenges, such as attracting capital, employees, marketing, legal work, and managing finances. Keep in mind a talk on Startup and Entrepreneurship was held on 24/July/2022; the expert for the session is Mr. Ramchandra Prabhu Salgaonkar, Founder of Amaze Warriors GOA, Resource person for the Goa State Innovation Council. The contents covered, Idea generation and the process of creativity; which is the best time for a Startup? The Current Ecosystem that supports Entrepreneurship, Experience sharing - My First Startup, Challenges faced, mistakes, etc.

Deep Blue Orientation



The Deep Blue initiative was launched in 2015; PCE has been an integral part of Deep Blue since Season 3 and continues its participation in the National Level Coding competition by Mastek and Majesco. Mr. Akhil Singhal revealed the problem statements of Deep Blue Season 7 and briefly introduced each problem statement. The problem statements for Deep Blue are real-

world problems that technological contributions can address. Students had to register for the event and submit their abstracts. The last date for team registration was 25th September, and the last abstract submission date was 20th October. Teams were shortlisted based on screening of abstracts by10th Nov, and shortlisted teams will be declared in the launch event tentatively on 20th November.

Orientation program on National level Manthan Hackathon

Hackathons are a great way to meet potential business partners and develop an idea for a likely new startup. The purpose of this program was to make all students aware of the nature, structure, schedule, and deadlines of the Manthan Hackathon. It was conducted online using the zoom platform and was open to students of all branches. The count of attendees was more than 1000 students. Information related to hackathons, like every team, will be assigned a mentor specialized in the field of the problem statement. Orientation was conducted by Prof. Madhura Vyawahare, Prof. Dhiraj Amin, and Prof. Sagar Kulkarni, followed by a doubt-solving session. The students were motivated and encouraged by a talk by the HOD of Computer, Dr. Sharvari Govilkar, and IT HOD, Dr. Satishkumar Varma.

Industry expert talk on "Leadership for Youth "

A good leader should have integrity, self-awareness, courage, respect, empathy, and gratitude. They should be learning agile and flex their influence while communicating and delegating effectively. The program was conducted online using the zoom platform. The purpose of this program was to make all students understand Leadership qualities. The expert for the session was Miss. Mansi Thakkar , Leadership Trainer, Board of Director : Windplus Pvt Ltd , Coimbatore, and the Founder of Mansi Thakkar Training Systems LLP - Mumbai. The contents to be covered are ,Basics of Leadership, Startup and innovation skills, Motivation to become an Entrepreneur.

Stepping into the Video Game Industry

The gaming industry is one of the most exciting industries in tech because of its importance to culture, entertainment and technological advancement. The contents to be covered are, Basics of development of Games, Skills, and Mindset towards Video Game Industry, Motivation to become a Game Developer The expert for the session was Mr. Krishna Mehta, Senior Game Designer and Producer Studio, Crikey Games Australia.

Wealth Management - "What you need to know about personal finance"

The event started with the welcoming and introduction of two speakers. It emphasized how you can work to organize your finances to improve your financial health. The talk was fascinating and motivational for the students.

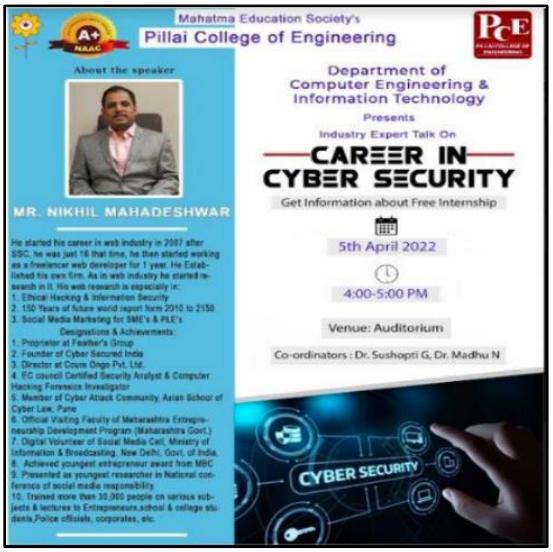
Research Methodology and IPR

Research is important to build a better understanding, decision making and, discerning and analytical ideas to facilitate better results. The one and half hour session covered different aspects of RM and IPR using presentation slides, followed by a question-and-answer session. The session's highlights were a Literature Survey, Components of Research, Reading Research Papers, Technical Paper Writing, how to select a topic for research? Selection of relevant journals for publications, etc.

Start-up Journey of SKINZY and Essentials of AIML in Healthcare

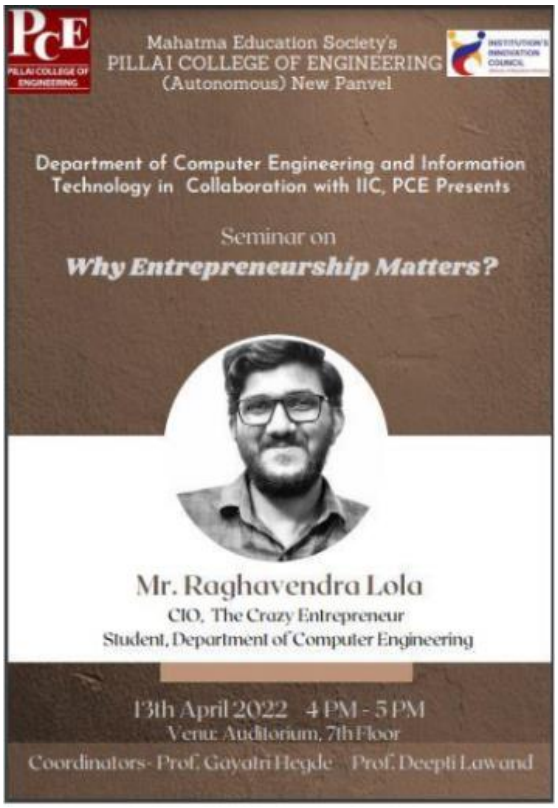
Mr. Darshan Savalia is the CEO and Co-Founder of Health Tech Startup Skinzy' The main aim of this talk was to make students aware of the startup journey and the various stages of becoming an entrepreneur. Mr. Darshan spoke about his college life to the founder of Skinzy Journey. He introduced the various career opportunities for AI ML in healthcare. He also discussed various courses designed for students interested in pursuing a different career in AIML. He taught the importance of certification and various certification courses for students for better employment and skillset development. He also discussed internship opportunities available for students in their company.

Career in Cyber Security



Cybersecurity jobs are in high demand and the demand is expected to grow by 18% over the next five years. The focus of the talk was on careers in the cyber-security domain. Mr. Nikhil introduced the various career opportunities in the cyber security field. He also discussed various case studies in cyber security and its impact on our daily life and diverse business activities, etc. He introduced the importance of certification and various certification courses for students for better employment and skills development. He also discussed internship opportunities available for students in their company.

Why Entrepreneurship Matters?



The event started with the welcoming and introduction of the speaker Prof. Deepti Lawand. The speaker explained the importance of entrepreneurship. He began his journey to becoming an entrepreneur and motivated students to participate in various project competitions and internships. He explained the five steps to being an entrepreneur. The talk was fascinating and motivational for the students.

Inauguration of internship in Cyber Security and Digital Forensics

The talk was organized to inaugurate the free Internship program on cybersecurity and digital Forensic. The Expert brief about the details of the internship program. Computer and IT students attended the talk Seminar on Internship in Cyber Security and Digital Forensics in collaboration with Cyber secured India.

Fundamentals of Computer and XSS

Computers are now a fact of life, they have created a very effective information system to help streamline the management of every aspect of our life. Primary objective of this workshop was to make participants aware of the basics of Computers. The speaker was Mr. Mahadev Gavas, Security analyst at Cyber secure India.

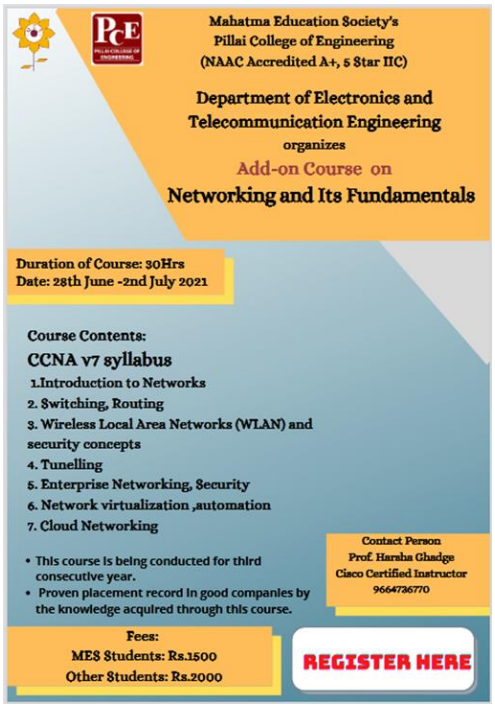
Cloud Based Customer Relationship Management

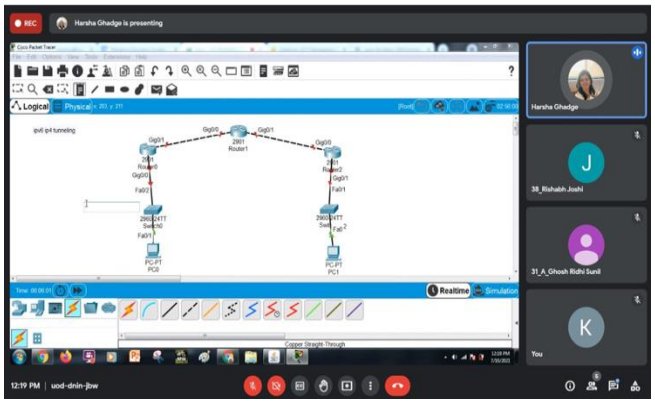
This talk focuses on the following points. • Introduction to Cloud Computing • What is Multitenant Architecture • What is Salesforce? • Why is Salesforce more than just a CRM (Customer Relationship Management)? • Offering in Salesforce. • As a fresh graduate, what can I do in Salesforce based on interests? • Salesforce Administrator – roles and responsibilities. – path to become an admin. • Salesforce Developer – roles and responsibilities. – path to become a Developer. • Programming skills/Languages which needs to be learnt to become a salesforce Developer. • Trailhead (Study Material) Official Salesforce study material and free of cost – What is trailhead, how to use it

Department of Electronics and Telecommunication Engineering and Electronics and Computer Science

Sr. No.	Name of Activity	Date	Organizer	Speakers
1	Networking and its Fundamentals	28th June - 2nd July 2021	Harsha Ghadge	Harsha Ghadge
2	Elements for a successful business strategy	31st July 2021	Suchitra A. Patil	Harpreet K aur
3	Graduating soon, what next...?	7th August, 2021	Suman Wadkar	Mr. Yogesh Mal
4	Applications of Big Data Analytics in Industries	14th August, 2021	Shishir Jagtap	Abhinaya Pillai (Data Analyst), Course5 Intelligence
5	Basics of Cyber Security and Career Opportunities	25th Sept 2021	R. H. Khade	Mr. Satish Lele

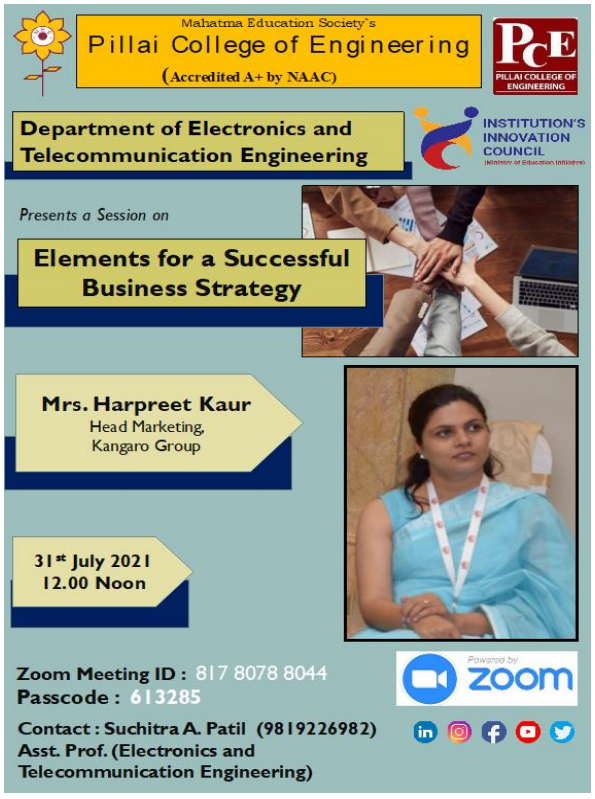
Networking and its fundamentals

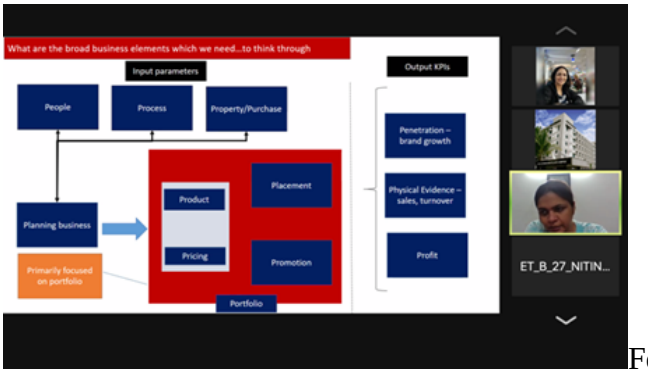




A one week course on Networking and its Fundamentals was organized by the Department of Electronics and Telecommunication from 5th July 2021 to 10th July 2021 at PCE, New Panvel. The course was conducted online. Hands-on session along with detailed study of networking concepts was taken. All the topics covering CCNA R&S were covered. Total of five students can grab the opportunity to attend the course.

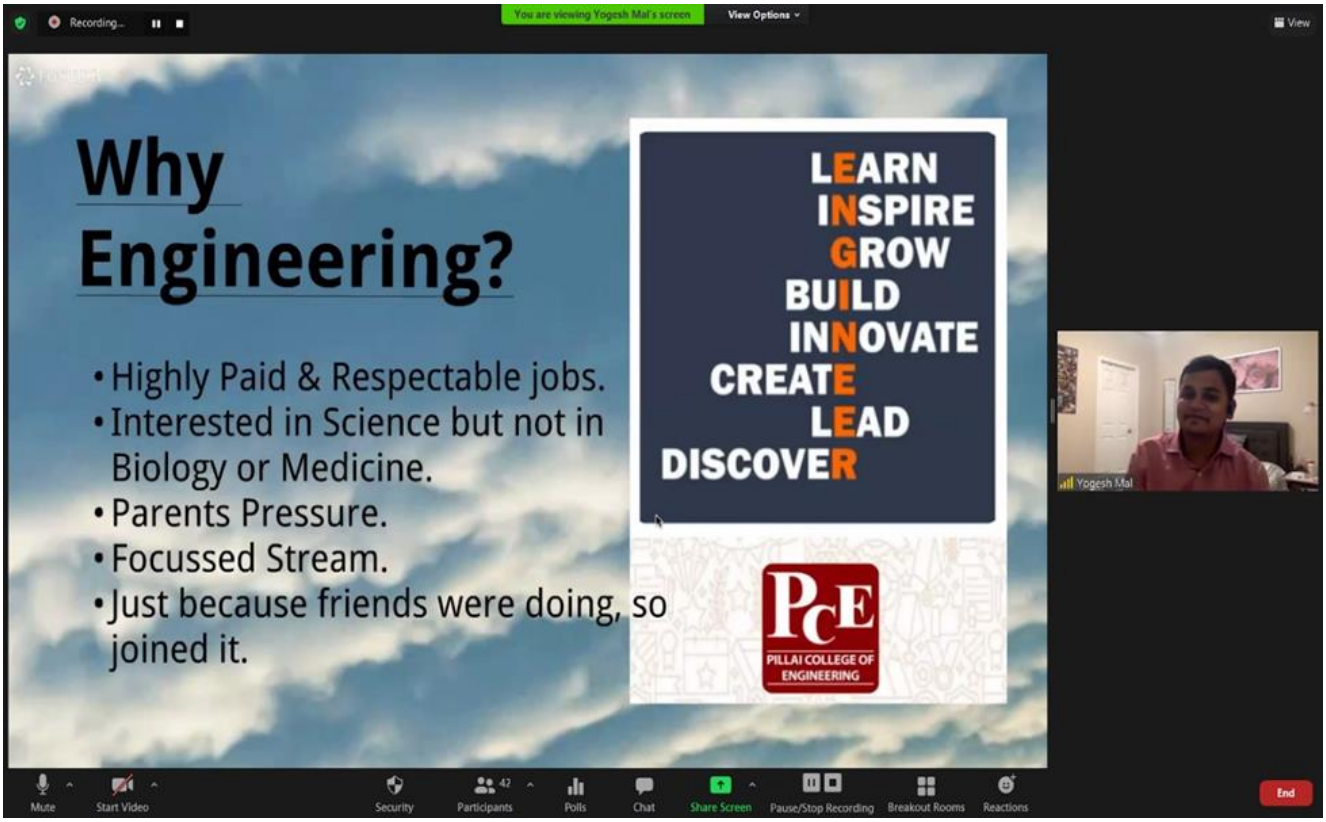
Elements for a Successful Business Strategy





For the webinar Principal Dr. Sandeep M. Joshi, Head Electronics and communication Engg, Dr. Avinash Vaidya, Head Electronics and computer engg. Dr. Monika Bhagwat was present along with 5 faculty members and 30 students. Speaker mentioned Business vision, Intended target audiences, product selection, price strategy, revenue, promotion strategy. The session was wonderful with useful insights for the students.

Graduating soon…what next?



Education after Graduation!

1. What are the life goals after Graduation? JOB or Business or Masters
2. Why education is necessary after graduation?
3. When will this education stop?
4. What is currently happening in US?
5. Which fields are experiencing growths? 5G, AR, VR, Automation, Cyber Security, Supply Chain, Block Chain, etc.
6. Rise of Facebook, Twitter, Youtube, Instagram, IGTV, Reels, TikTok, etc.
7. What should we target for?
8. When to start thinking about it? Why are 4th year projects very important?
9. How to start planning about it? Why is 3rd year the most crucial year in graduation?
10. Details of Data Analysts career.

Applications of Big Data Analytics in Industries

Ms. Abhinaya Pillai, “Data Analyst”, at Course5 intelligence, has delivered a talk on "BIG Data and Its Applications", for Electronics and computer science and Electronics and Telecommunication Engineering students of Pillai Engineering College. In this talk, some insights related to BIG Data technology and its various applications were discussed. About 64 students of electronics and computer science and electronics and telecommunication engineering along with 4 faculties have attended this talk, followed by an interactive question answer session. She has also agreed to deliver another talk on Big Data targeting a specific application, in near future. Indeed it was a successful event, thanks to HOD Sir, Principal Sir, and management for their timely advice and co-operation for organizing this event.

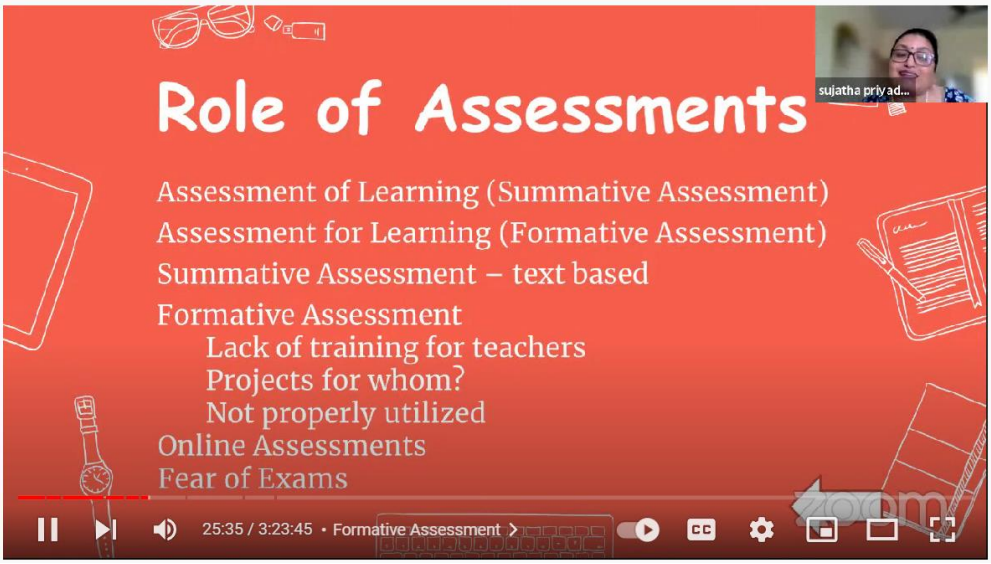
Basics of Cyber Security and Career Opportunities

The webinar was graced by the presence of Principal S. M. Joshi, HoD of ECS Dr. Monika Bhagwat. HoD EXTC Dr. Avinash Vaidya and respected faculty members from both the departments. The event was an interactive session where questions were asked to the speaker and he cleared all doubts. Thanks to HOD madam, Principal Sir, and management for their timely advice and cooperation for organizing such events.

Department of Applied Sciences, Mathematics and Humanities

Sr. No.	Name of Activity	Date	Organizers	Speaker
1	51st Annual Conference of ELTAI	21/11/2021	Applied Sciences, Mathematics and Humanities, PCE	9 Parallel Sessions
2	Induction Programme	23/12/2021	Applied Sciences, Mathematics and Humanities, PCE	Dr. Sandeep M Joshi, Dr. Arun Pillai
3	IELTS Prep Course	15/01/2022 to 13/02/ 2022	Applied Sciences, Mathematics and Humanities, PCE	Prof. Rakhee Nair (British Council Certified IELTS Trainer) Prof. Darshana Pachkawade (Course Instructor)
4	Virtual Education- Inclusive and Interactive Aspects	26/08/2021-30/01/2021	Applied Sciences, Mathematics and Humanities, PCE	Dr. Arun Pillai , Dr. Sunita Wadikar, Dr. Sundeep Deulkar, Dr. Prasanth V G, R Sankar Memorial.

51st Annual Conference of ELTAI



Pillai College of Engineering, New Panvel hosted Day 2 of ELTAI's Four-Day Weekend Virtual Conference on 21st November, 2021. 15th International and 51st Annual Conference of ELTAI was attended by experts, research scholars and students from the field of English Language and Literature. The conference witnessed a enthusiastic participation of presenters on diverse topics related to English Language and literature with 41 paper presentations, that took place during the course of 9

Parallel sessions that took place between 9.00 a.m to 10.30 a.m.The time allotted for paper presentation was 10 minutes per presenter in which 8 minutes was given for presentation and 2 minutes for question and answer session.

Induction Programme

The aim of the induction programme was to make the newly joined students comfortable, allow them to explore their academic interests and activities, reduce competition and make them work towards excellence, promote bonding within them, build relations between teachers and students, give a broader view of life, and build character. The induction programme included various informative and activity-based sessions. It included activities ranging from ice breaking sessions, general counseling and motivational talks , literary sessions and campus tour. An effort was made to integrate the induction sessions with regular academics to enable the students to gradually ease into the rigours of academics. As a new initiative, corporate trainers were engaged to conduct a few sessions to convey valuable lessons effectively.

IELTS Prep Course

This online IELTS Prep Course Edition 2 (Academic) was conducted from 15 January, 2022 to 13 February, 2022 to help students to attain a higher band score in IELTS exam, based on a needs analysis and focus on helping students to develop their Listening, Reading, Reading and Writing (LSRW) skills. This could be achieved through practice tests with sample questions and answers, mock tests and by offering them tips, strategies, advice plus more practice.

Virtual Education- Inclusive and Interactive Aspects

A five day national seminar , sponsored by Indian Council of Social Science Research (ICSSR), organised by Pillai College of Engineering ,New Panvel ,in collaboration with English Language Teaching Association of India (ELTAI) and Engineering Mathematics Teacher Society of India (EMTSI). The purpose of the webinar was to train teachers in multiple ways to change the classroom

setting from passive learners to interactive and reflective learners. Also to acquaint the teachers with assessment tools and evaluation methods essential for learners to interact with their peers and assimilate multiple views, cultivate critical thinking and develop independent learning strategies

Training and Placement Cell

The Training and Placement Cell is an integral part of the PCE Institution. The PCE management is fully invested in providing sound infrastructure and human resources to maintain the Training and Placement Cell and the resulting opportunities the cell provides to students of the College. The Placement Cell's primary objective is to provide training and placements to college students. Various activities take place throughout the academic year in the college. Students are motivated to take the initiative to develop their attitude, and soft skills and are given the opportunity to develop technical skills alongside analytical capabilities. The Training and Placement Cell aims to expose students to the nature of the corporate world, therefore, providing insight to their future professional careers.

The Training and Placement Committee of Pillai College of Engineering handles campus placement of the graduating students in Engineering. TPC provides complete support to the visiting companies at every stage of the placement process. Arrangements for Pre-Placement Talks, Written Tests, Interviews, and Group Discussions are made as per the requirement of the companies. Pre-placement training is given based on their core subject followed by aptitude training. The objective of TPC is to facilitate the process of placement and ensure that each eligible student gets the opportunity in the industry. We organize technical events and motivational talks to provide a platform for budding engineers. We conduct awareness programs for the students in the form of seminars and conferences in association with institutions and corporate.

Sr. No.	Name of Activity	Date	Speaker
1	Campus Recruitment Training	April 8, 2021	Mr. Vinay Raikar
2	All about TCS NQT	July 16, 2021	Dr. P. S. Lokhande
3	CV Building Workshop	August 1, 2021	Dr. P. S. Lokhande
4	Victors of TCS NQT	August 8, 2021	Mr. Vivek Vaishya, Ms. Snehal Jadhav, Mr. Saurabh Poman, and Mr. Kaushal Patil
5	Victors of LTI	August 21, 2021	Mr. Sourabh Pahwa, Ms.Varsha Verma, Ms. Sonali Chavan, and Ms. Garima Singh.
6	Victors of Capgemini	September 11, 2021	Ms. Smriti Sharma, Ms. Neha Shahu, and Ms. Pallavi Kothavle. Ms. Pallavi Kothavle
7	Awareness of Entries in Defense as Commissioned Officers	December 17, 2021	Capt. Ramesh Tope
8	Mapping Placements	February 5, 2022	Dr. P. S. Lokhande
9	The Placement Treasure Hunt	March 24, 2022	Training and Placement Committee
10	The Placement Training by EKEEDA	June 10, 2022	Mr. Mahesh Wagh

Campus Recruitment Training

Pillai College of Engineering, in association with Campus Credentials, conducted a webinar "Campus Recruitment Training". TPC-PCE organized the webinar under the assistance of respected Principal Dr. Sandeep Joshi and Training and Placement Head Dr. P. S. Lokhande. Mr. Vinay Raikar led the webinar. The objective of the webinar was to familiarize and help the students with the online recruitment season. The webinar started by stating the vision and mission of Campus Credentials. He told about various products and services of Campus Credentials. He also discussed a few milestones on the Placement roadmap like resume writing, group discussion, etc. A breakdown for each section of skill-building in phases, timelines, and levels for better perception was presented. Furthermore, he shared the significance of technical skill in one's placement journey and the role of Campus Credentials to achieve it. Later on, he shared the outstanding results achieved by Campus Credentials in enriching students' placement drive with the help of their products, services, and efforts. Finally, the queries posed by the students about the product as well as placements were resolved. The webinar received a response from 100 students making it a stunner success. Dr. P.S. Lokhande appreciated the effort of Mr. Vinay Raikar for an illuminating webinar and ended the session.

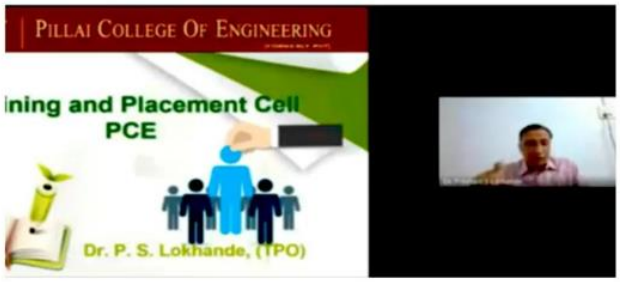
All about TCS NQT

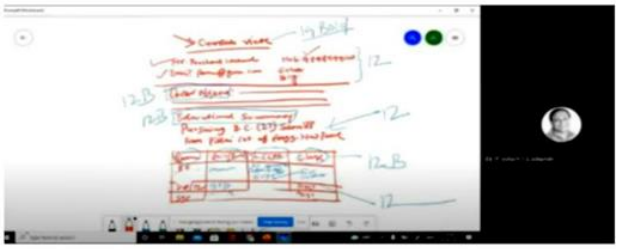
The event's speaker, Training and Placement Head Dr. P. S. Lokhande sir emphasized the value of preparation for placements. He coined 3 Aces to succeed at placements - Attitude, Aptitude, and Academics. He provided an insight into the key qualities that companies look for in a candidate. He introduced TCS NQT and gave all general information about the test. Furthermore, the students learned about eligibility criteria for TCS Ninja Hiring. A complete walkthrough of the registration process, test pattern, and types of questions were given. He guided the audience about Calyxpod, a placement-related portal for PCE students. The webinar concluded with a brief Q&A session. Even though the

webinar was exclusively about TCS NQT, sir took it as an opportunity to tip students for the upcoming placement process. More than 300 students attended the webinar.

CV Building Workshop

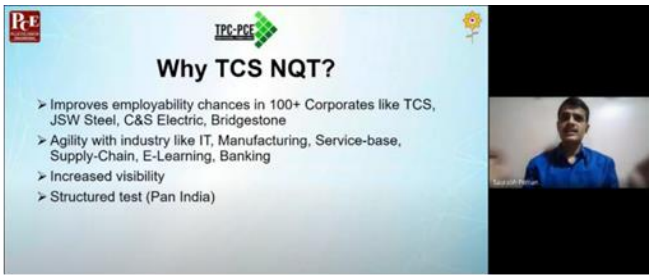
The workshop beamed to educate and uplift the CV writing skills of the students. Sir stated the terminologies surrounding CV and explained the difference among them. He listed the essential aspects to be included in the CV and explained them thoroughly. He also mentioned that projects, certifications, and internships are vital in the selection of a candidate. Besides these, he demonstrated how to write personal information in an accurate way to avoid common mistakes. His observations and views on every minute word on the CV were valuable for students. He demonstrated the correct format to students while alarming them about blunders and fallacies. Ultimately, sir gave a quick recap of the session with an overview of placements and answered the queries. More than **340 students** attended the workshop proving it a smashing success.





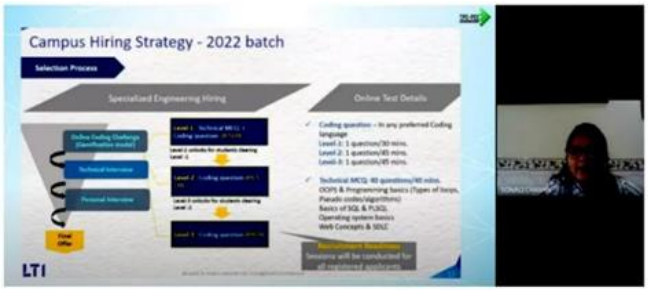
Victors of TCS NQT

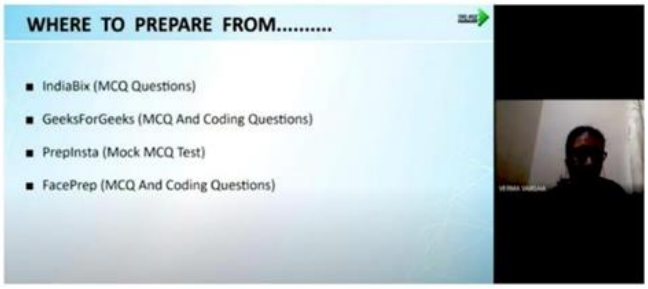
The speakers at the event were alumni of our college- Mr. Vivek Vaishya, Ms. Snehal Jadhav, Mr. Saurabh Poman, and Mr. Kaushal Patil. The webinar was inspired by the experience of ex-students who famously tackled the TCS placement drive. The first speaker was Mr. Saurabh Poman. He focused on the importance of TCS NQT and the benefits of achieving a merit rank in TCS NQT. The second speaker Ms. Snehal Jadhav discussed cognitive skills and programming skills along with the exam pattern. The next speaker, Mr. Vivek Vaishya spoke about the importance of a genuine CV. The last speaker, Mr. Kaushal Patil took the initiative to guide the students from the non-IT branch. His direction on programming logic MCQs and hands-on coding were helpful for the audience. The webinar came to an end with an exciting Q&A session followed by a Vote of Thanks. The webinar got an enormous response from more than **300 students.**



Victors of LTI

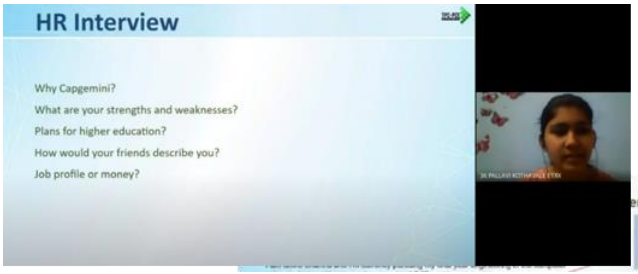
The speakers at the event were the outstanding performers at the LTI placement drive from last year. The webinar started with good wishes from Dr. Prashant S Lokhande sir. The first speaker - Ms. Sonali Chavan talked about LTI; its culture and the spectrum of opportunities to learn and work. Ms. Varsha Verma, our next speaker articulated the technical assessment required for the test. The third speaker - Ms. Garima Singh addressed the Interview scenes. She drew beneficial pointers from her interview experience and articulated pieces of advice for Technical and HR interviews. The last speaker, Mr. Saurabh Pahwa chatted about the "LTI Infinity Coding Challenge" and its benefits. He shared the topics of preparation and tenet of the technical interview from a coding perspective. The webinar was a wholesome blend of experience and facts from the bright students of Pillai College of Engineering. The webinar was a grand success, more than 400 students benefited from it.

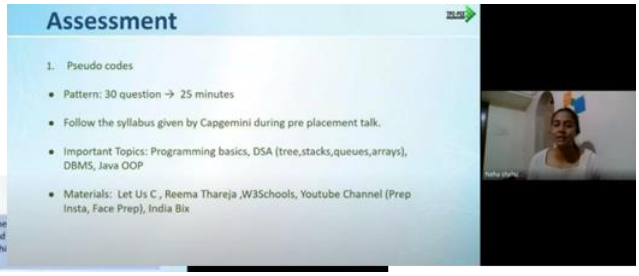




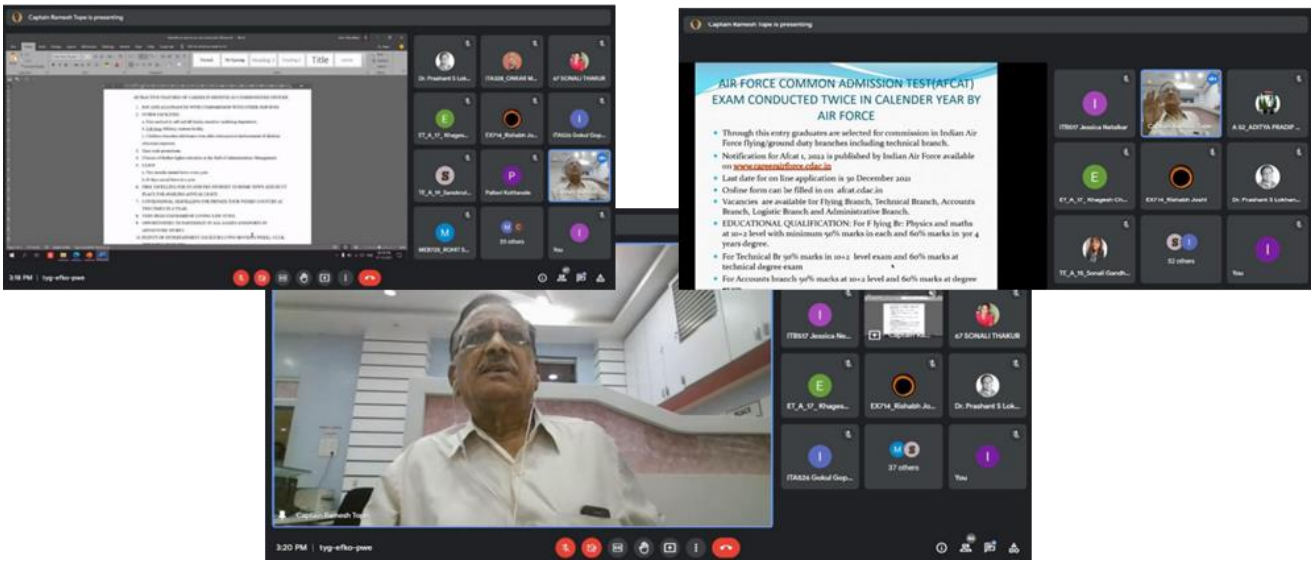
Victors of Capgemini

The webinar aimed to guide the future candidates for Capgemini Placements. The speakers led the webinar by presenting the growth opportunities at Capgemini. The next speaker was Ms. Neha Shahu. Her prime focus was on the assessment of different job levels offered by Capgemini. She discussed various aspects of the assessment test like pseudocodes, verbal, gamified, and provided materials to study from. Next in line was Ms. Smriti Sharma. She talked about her interview experience and drew bits of advice for the technical interviews. Ms. Pallavi Kothavle took over the mic once again to enlighten everyone with her experience in HR interviews. The webinar was full of personal experiences, examples, questions, and tactics. More than 210 students were completely taken away by this amazing session.



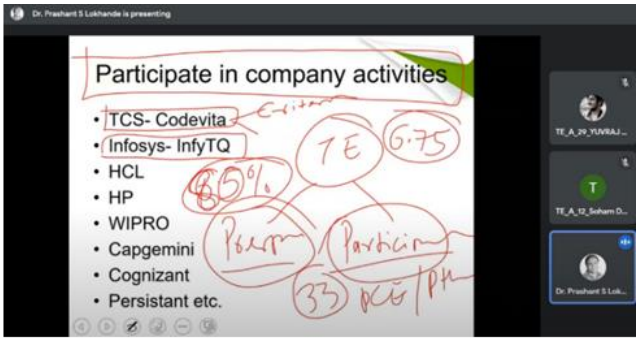


Awareness of Entries in Defense as Commissioned Officers



The main aim of this event was to create awareness among the students regarding the different career opportunities in the defense sector. The session began with a brief introduction to the subfields under the defense sector and the benefits that come along. Later, the speaker explained the difference between white-collar jobs and tight-collar jobs. The event moved on to the main objective which was guiding the students in regards to the different entries in defense as commissioned officers and the related examinations that the students have to undertake. The students were also given insights into the interview and test processes at the selection levels. The event also saw a Q&A session where students voiced their doubts and uncertainties. Lastly, the speaker shared his personal experience working in the Indian Army and the other perks that this career has to offer for all aspiring students. The event was a great success with 63 eager and enthusiastic students.

Mapping Placements



The objective of this webinar was to make the students of the batch of 2023 aware of the upcoming placement drive. The webinar started off with our speaker educating the students about the basic requirements for getting placed and the dos and don'ts that the students must follow for the placement session. He then went on to urge students to participate in company activities like TCS - CodeVita, Infosys - InfyTQ, etc. He then talked about the required skills for the placements and advised students

to take part in the training process. The Placement Day process was discussed in detail so that the students would be aware of what they are going to face. Finally, the students' questions regarding placements, recruiters, career opportunities, and others were answered by the speaker. The webinar was an eminent success as over 300 students attended it and found it helpful.

The Placement Treasure Hunt

The whole concept of the hunt was old-school treasure hunt with a twist. The event commenced at 3 pm under the guidance of Dr. P. S. Lokhande sir. For the very first round, participants were given a quiz of 15 questions, where they had to get at least 10 correct answers within 15 mins to move forward. Further for the next rounds, they were given clues leading them to classrooms and labs spread across the engineering campus. After rushing against time as well as each other, two clever students reached the final destination at the same time (The Training and Placement Office) leading to a tie-breaker. Eventually, we got the winner. This hunt was an awestruck amalgamation of recreation and learning. More than 31 students registered for the competition. The clues tested the understanding of all the participants about how placements are conducted. The event ended at 5 PM with Mr. Dhiraj Amin sir and Mrs. Shweta Patil Madam handing over the certificates to the winners - Mr. Saif Ali Sayed, Mr. Shawn Jacob, and Mr. Suraj Singh. Mr. Saif Ali Sayed was also awarded a cash prize of Rs. 1000.

The Placement Training by EKEEDA

The main objective of this event was to explain the placement procedure for different companies that visit the campus and to prepare for the same. EKEEDA is an organization that assists the students to practice for the placements so that they are better prepared and more aware during the actual placements. Training and Placement Head Dr. P. S. Lokhande started off this event by addressing the students present and then handed over the reins to the speaker Mr. Mahesh Wagh. He informed the students about the placement procedure of various companies like Capgemini, Infosys, TCS, etc. He explained the features and help provided by EKEEDA in the placement preparation journey. Registration process on the EKEEDA portal was explained. The doubts regarding EKEEDA, and placements were answered by the speaker. The event was a great success with 290 benefitted students.

Co-Curricular Activities

National Programme on Technology Enhanced Learning (NPTEL)

The Student Support System aims to understand how community colleges can feasibly deliver support both inside and outside the classroom to improve success for all students. SWAYAM is a programme initiated by the Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. NPTEL (National Programme on Technology Enhanced Learning) for Engineering was initiated by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bangalore in 2003, and 235 courses in web/video format were developed in this phase. It is now possible for ANYONE outside the IIT System to be able to do an online certification course from NPTEL and get a certificate from the IITs. IITs are reaching out and taking education to the homes of people through this initiative. Highlights of this initiative are:

- Registration is for all engineering students
- Duration of courses is from 4 to 12 weeks
- Anyone can appear from engineering students
- Registration is free of cost
- Certification fees is from Rs. 500 to 1000
- Benefit of this course is, students can do this from home.
- Additional knowledge can acquire at free time.

Participant Enrolment Details - July 2021 to December 2021

Sr. No.	Detail	Nos.
1	Students Enrolled	1705
2	Registered for Certification Exam	39
3	Passes the Certification Exam	09

Participant Enrolment Details - January 2022 to April 2022

Sr. No.	Detail	Nos.
1	Students Enrolled	1586
2	Registered for Certification Exam	13
3	Passes the Certification Exam	03

Note: Because of the overlap in Mumbai University examination and NPTEL examination most of the enrolled students were not able to turn up for NPTEL examinations.

Spoken Tutorials

Spoken Tutorial is an initiative of National Mission on Education through ICT, MHRD, Govt. of India to promote IT literacy through Free Open Source Software (FOSS). Dr. Arun S Pillai, Head, Department of Applied Science, Mathematics and Humanities and Dr. Richa S. Agarwal, Associate Professor, Department of Mechanical Engineering are the coordinators from Pillai College of Engineering for the Spoken Tutorials. It is because of their sincere efforts and unending support, that Pillai College of Engineering in collaboration with IIT- Bombay Spoken tutorials, has successfully conducted 03 workshops, benefiting around 547 students and faculty. The details of the workshops organised and conducted in coordination with different departments of the institute are mentioned below.

Details of Workshop Organised

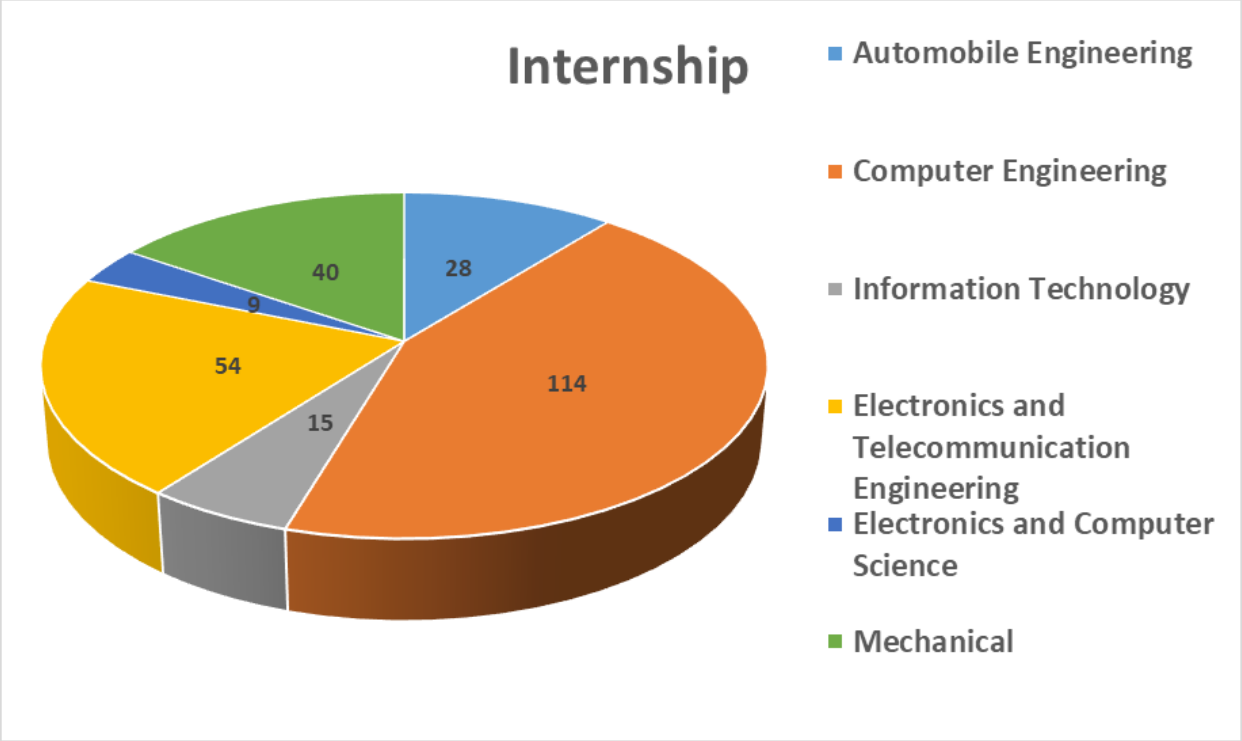
SN	Name of the FOSS	Date	Organisers	Participants				
				MES Student	MES Faculty	Outside Student	Outside Faculty	Total
1	C Programming	24.07.21	Prof. Dipti Nair, Prof. Dinesh Tiwari, Prof. Anup Vanage, Prof. Manisha Singh	548	-	-	-	548
2	QCAD	16.11.21	Prof. Binsu Babu, Prof. Ameya Nijasure	19	2	1	-	22
3	Python	22.02.22	Prof. Richa Agrawal	16	-	-	-	16
Total				**437**	**38**	**33**	**40**	**548**

Internships

Economic and business environments are changing at a rapid pace due to globalization. Businesses and employers alike are in need of those who are qualified to work in these environments, possess relevant skills, and have proven capabilities to succeed in them.

An internship is one such door to opportunities which offers a valuable insight into industry. Among the many advantages that internships offer, they also promote skill development, enhances professional networking, thereby, resulting in successful outcomes after graduation. With every year passing by, Pillai College of Engineering has witnessed a significant increase in the number of students undergoing training at various companies/ organizations/industries. The placement cell of PCE provides all the necessary help to provide internship support to interested students.

Department	No. of Students undergone Internship
Automobile Engineering	28
Computer Engineering	114
Information Technology	15
Electronics and Telecommunication Engineering	54
Electronics and Computer Science	9
Mechanical	40



Deep Blue Season 7

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 Deep Blue Season 7 competition was decided to be conducted in hybrid mode (online and offline) mode due to covid-19 pandemic restrictions, however the Semi-finals and finals were decided to be held offline. Last date for the registration was 25th September 2021. A total of 32 teams from PCE registered for the competition (Student registration for Deep Blue Season 6). Out of 67 registered teams 10 teams submitted their abstract. The launch event for the 7th season of the Deep Blue competition was held virtually on 22nd Oct from 4 to 5:30 PM IST. In the 7th season 10 teams from Pillai College of Engineering were selected for the Competition. Out of the 10 teams 9 teams made it to the Semi-finals which was held from 9th April 2022 at Mastek office at Mahape.

Details of Teams Participation	
Total Students Participated	**928**
Total Teams Participated	**232**
Total Colleges Participated	**10**
Total Teams Selected	**58**
Teams Selected from PCE	**10**
Team Selected for semifinal from PCE	**9**

Problem Statements for Deep Blue Season 7 were the following:

1. Resume Match and Ranking – RMR
2. License Plate Identification – LPI
3. Summarizing Teams Meetings – STM
4. Lung Capacity Check – LCC

Instiution's Innovation Council

PCE has established Instiution's Innovation Council (IIC) as per the guidelines of 'MoE's Innovation Cell (chanism, MIC)' in the year 2019. The initiative was to create a vibrant local innovation ecosystem, start-up supporting mechanism, establish a functional ecosystem for scouting ideas and pre-incubation of ideas and to develop better cognitive ability for technology students. PCE IIC is actively involved in organizing and conducting seminars, workshops, field trips, project exhibitions, entrepreneurship bootcamps, Idea competitions etc. for its students and faculties. After the success of IIC 2.0 and IIC 3.0, PCE Institution's Innovation Council attained the Star Rating for the academic year 2020-21 under the guidance of IIC President Dr. Avinash Vaidya.

Ministry of Education
Government of India
MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)
INSTITUTION'S INNOVATION COUNCIL
AICTE

CERTIFICATE

Institution's Innovation Council (IIC) established at

Mahatma Education Societys Pillai College of Engineering, Navi Mumbai

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2020-21.

Prof. Anil D.Sahasrabudhe
Chairman
AICTE

Dr. Abhay Jere
Chief Innovation Officer
MOE, Innovation Cell

Mr. Dipan Sahu
Assistant Innovation Director
MOE, Innovation Cell

Certificate No : 1610

Issued On : 2022-01-03

PCE IIC was selected as a mentor institute for the Mentor-Mentee Program of IIC, MIC for the academic year 2021-22. The Mentor-Mentee 2021-22 is a twinning program for IIC institutions designed to facilitate knowledge exchange and resource mobilization between IIC institutions by offering inter-institutional collaborations and peer mentoring support. The mentee institute under PCE were:

1. Anjuman-I-Islams School of Engineering and Technology Atanjuman-I-Islam Kalsekar Technical, Navi Mumbai
2. Sandip Foundation's Sandip Institute of Technology & Research Centre, Nasik
3. Don Bosco Institute of Technology, Mumbai
4. MGM Dental College, Kamothe, Navi Mumbai
5. Terna Public Charitable Trust's Terna Engineering College, Navi Mumbai.

PCE received a grant of Rs. 2,25,000 (Rs. Two Lakh Twenty Five Thousand only) from MIC/AICTE to provide mentoring and handholding support to mentee institutions by organizing a set of prescribed activities for mentee institutions and enabling them to lead and streamline campus I&E ecosystems. Dr. Richa Agrawal was the Program Coordinator for this scheme. All prescribed activities were successfully conducted as per the requirement of the Mentor-Mentee Program.

The IIC member details for the academic year 2021-22 are as follows:

Faculty Members	Member Type	Role on Committee
Dr Sandeep Joshi	Faculty	Head of the Institution
Dr Priam Pillai	Faculty	Convener
Dr Avinash Vaidya	Faculty	President and ARIIA, NIRF Coordinator
Dr Richa Agrawal	Faculty	Vice-President and Startup Activity Coordinator
Dr P S Goyal	Faculty	IPR Activity Coordinator
Dr Prashant Lokhande	Faculty	Internship Activity Coordinator
Dr. Divya P	Faculty	Innovation Activity Coordinator
Dr. Sharvari Govilkar	Faculty	Member
Mr Lalit Mehta	Faculty	Social Media Coordinator
Dr Celina Joy	External	Member: Incubation Center
Susanna Cherian	External	Member: Incubation Center
Adarsh Rai	Student	Innovation Coordinator
Raj Sachin Patil	Student	Startup Coordinator
Sonu Mondal	Student	Internship Coordinator
Jatin Chaudhari	Student	IPR Coordinator
Aditya Chitnis	Student	Member
Neil Rajesh Chonkar	Student	Social Media Coordinator
Franav Pillai	External	Entrepreneur
Munawira Kotyad Pillai	External	Entrepreneur
Dr. Arun Pillai	Faculty	Entrepreneur

Highlight Achievements:

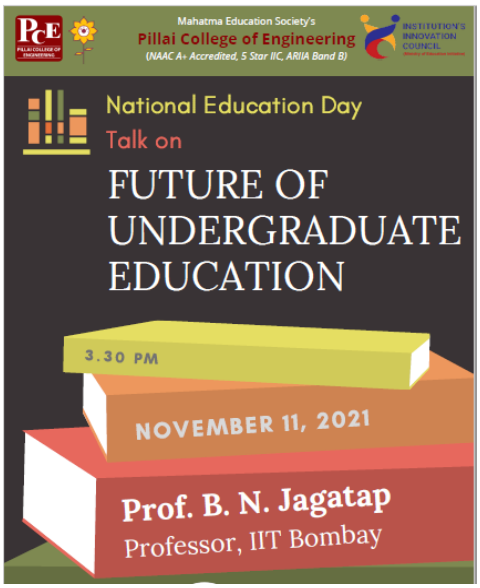
- Selected to present for a Knowledge sharing session on IP and Technology Transfer at the IIC Regional Meet at Symbiosis International (Deemed University), Pune.
- Received Best Creative Poster Award at IIC Regional Meet
- Selected as a Mentor Institute (One among 50 selected institutes over the nation with Financial Aid) for the Mentor-Mentee Program of IIC, MIC. All mentee Institutes performed very good and were selected to conduct Impact Lecture Series
- Three ATL schools linkages accepted invitation
- Two Institutions referred for IIC accepted invitation

- PCE incubated Valectus Pvt. Ltd. won the Maharashtra startup week award 2020
- 10 Innovation Ambassadors. 7 completed Advanced Level (Basic and Advanced)
- Total 35 Sessions Delivered by IAs
- Registered for Section 8.

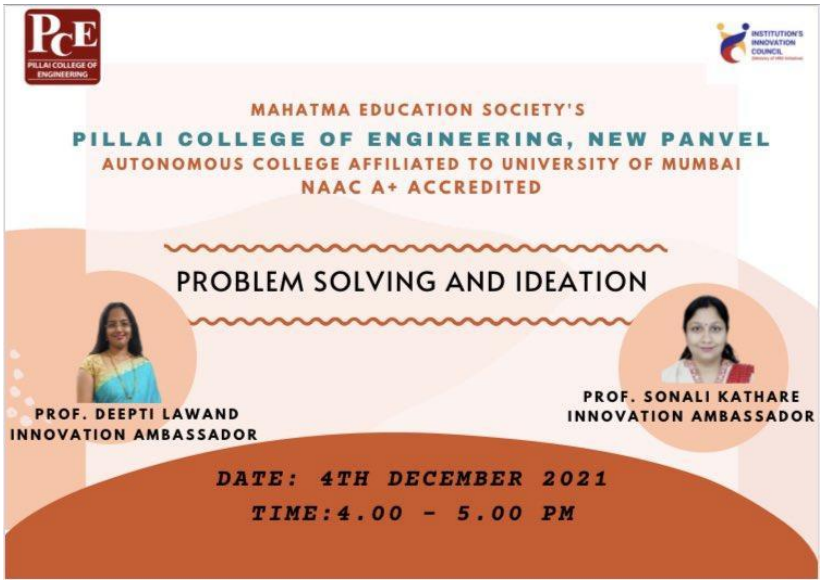
The IIC Calendar Activities are distributed in four quarters. Every quarter comprises IIC Calendar activity, MIC Driven Activity and Self Driven activity. IIC Calendar activity and Self driven activities are planned and conducted by the IIC members for the benefit of its students and faculty members. Few activities are conducted in collaboration with various PCE chapters. The list of major activities planned and conducted in different quarters are as follows.

SN.	Activity	Date
1	National Education Day	11th November
2	My Story - Motivational Session by Successful Innovators	22nd Nov
3	Session on Problem Solving and Ideation Workshop	4th December
4	Talk on IPR, Patent Filing and Research Proposals	6th Dec
5	Session on ‘Failure in Startups’	7th Dec
6	National Energy Conservation Day(India)	14th Dec
7	Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercilation of Lab Technologies & Tech-Transfer"	2nd Feb
8	Session on Achieving Problem-Solution Fit & Product-Market Fit	24th Feb
9	Session on ‘Innovation & Design Thinking’	25th Feb
10	Session on ‘The Start Up Route’	25th Feb
11	Workshop on Design Thinking, Critical thinking and Innovation Design	28th Feb
12	Workshop on Entrepreneurship Skill, Attitude and Behaviour Development	28th Feb
13	Interactive Discussion for Collaborative Research	22nd Feb.
14	Internal Hackathon for SIH 2022	11th March
15	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	14th March
16	DemoDay/Exhibition/Poster Presentation of Business Plan/Prototype developed & linkage with Innovation Ambassadors for mentorship support.	27th March
17	Session on “How to plan for Start-up and legal & Ethical Steps”	21st April
18	Workshop on Prototype/Process Design and Development - Prototyping	26th April

National Education Day



Dr. B.N. Jagatap superannuated as Distinguished Scientist and Director of Chemistry Group of Bhabha Atomic Research Centre in 2016 and joined as senior professor at the Department of Physics, Indian Institute of Technology Bombay. Since 2017, he has been associated with a number of committees and councils related to higher education. He has co-authored a book, '*Re-engineering Higher Education in Maharashtra*' published in 2019. Currently, he is Chairman of the Governing Council of S.N. Bose National Institute of Basic Sciences (Kolkata) and Chairman of the Research Council of National Institute of Science Communication and Policy Research (New Delhi).



Session on Problem Solving and Ideation Workshop

A session on Problem Solving and Ideation Workshop was organized on 4th Dec., 2021. First talk was given by Prof. Deepti Lawand on Design Thinking and Business Plan. It emphasized on how these stages work and how designers can use it to organize their thoughts in order to improve the creative process. The talk was very interesting and motivational for the students. The second talk was given by Prof. Sonali Kathare on Business Plan Writing. The talk focussed on how to convert your ideas to write a Business Plan and about the different elements of the Business Plan. Such sessions really motivate students to think differently and go ahead with their ideas to write down the Business Plan.

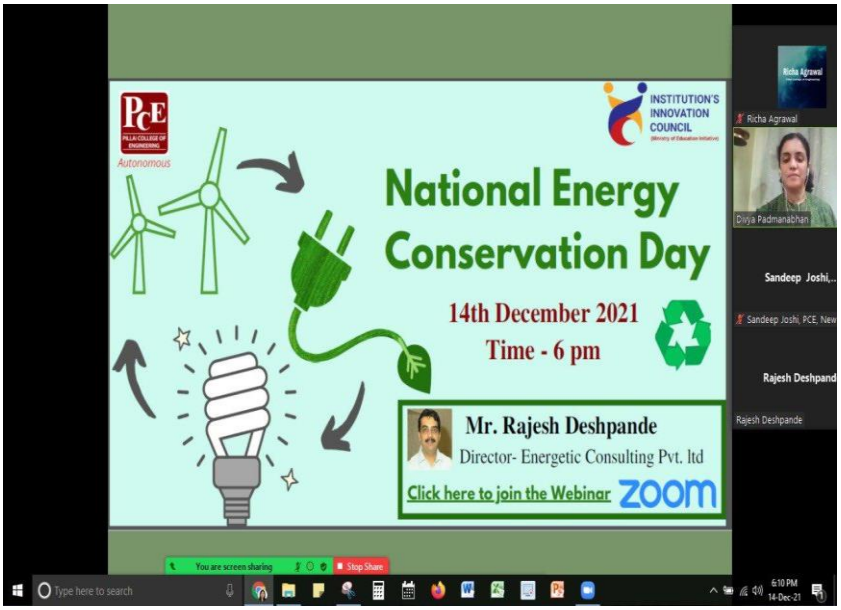
Talk on IPR, Patent Filing and Research Proposals

The event started with a welcome address by the host in the presence of the principal Dr. Sandeep Joshi and speaker Dr. B. K. Sarkar. Dr. B. K. Sarkar has done his Post Doc. from Singapore and completed Doctorate in Computer Science from IIT. He is a founder of GEH Research LLP, ADBIGA, Innovation LPP. The session was very interactive and concluded with a formal vote of thanks. The participants gained knowledge about the various steps involved in the patent filing procedure.

Failure in Startups

The talk was mainly for the participants of the Business Plan Competition 2021-22. The session focused on the areas where the startups are likely to overlook during the course of business thereby leading to its failure. The speaker shared several experiences from his personal life with the students. Mr. Anand Khandekar is CEO and Founder Director of Validus Analytics LLP in Pune. He is an Alumni of MIT pune. He was a part of many national and International projects. To name few it includes, Tie up with PENN STATE university, programme in Machine learning and Robotics for Indian engineering students at STEVENS INST of TECHNOLOGY, Hoboken, New Jersey, projects in Advanced IOT applications in Collaboration with WEARABLE ROBOTICS LAB , Stevens Institute, New Jersey. He has worked on a project for Simulated Human tissue growth for 3D printed scaffold at TExas Tech university, Designed and installed a COMPUTER VISION based Quality inspection product for PARI ROBOTICS at FORD motors plant in Michigan USA. He has also delivered invited talks at many national and international events on his expertise.

National Energy Conservation Day



Dr. Rajesh Deshpande is an energy management professional for 25+ years. He is into structuring of techno-commercial energy projects and financing energy efficiency. He specialties in Designing of Waste2Energy, agro-residue based fuels based renewable energy projects etc. Dr. Rajesh Deshpande tried to explain the importance of energy management and also how engineering skills can help to attain it.

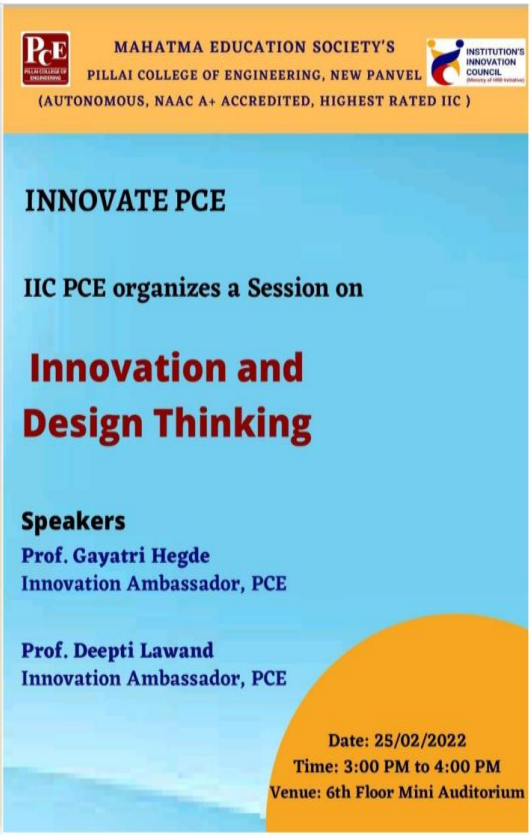
Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercilation of Lab Technologies & Tech-Transfer"

A Webinar on “Process of Innovation Development” was organized in Association with Intellectual Property INDIA under ‘Azadi ka Amrit Mahotsav’ and ‘National IP Awareness Mission’. The session will also be streamed on MES official youtube Channel. Mr. Anshul Verma gave a brief idea of Patents followed by its timeline, various forms and the patenting process. Mr. Pratik Hendre talked about

copyrights. All the queries of the participants were well addressed by both the speakers. The participants were able to understand the patenting process.

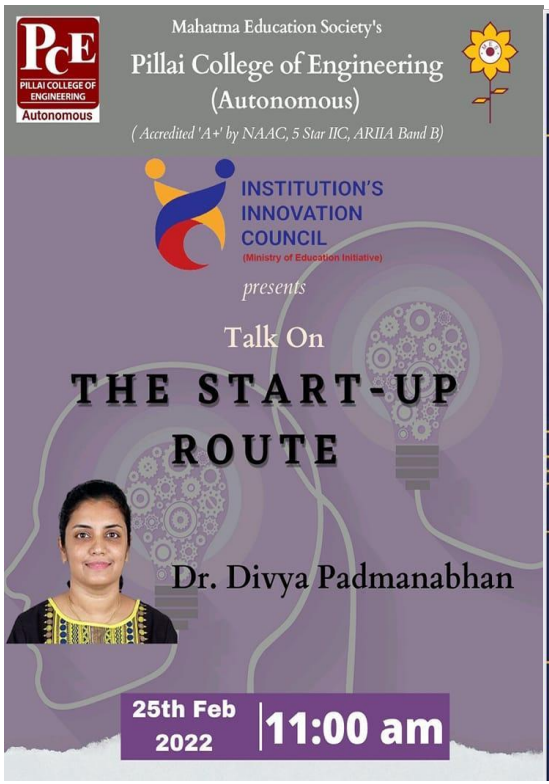
Session on Achieving Problem-Solution Fit & Product-Market Fit

Mr. Sagar Chandni briefed about the strategies to attain a product fit for market. He explained the strategies as how to identify the real problem and use various techniques like the business canvas model to analyze and reach the solution. Mr. Nischal Kapadia explained the financial aspects to be taken care of in order to deliver a market fit product. Both sessions were very interactive. The participants came to know about the fundamental essentials to build a startup and also about the 'investors' perspective and fundamentals to raise seed investments.



Innovation and Design Thinking

Prof. Gayatri Hegde explained the difference between invention and innovation and also focused on how innovation of young entrepreneurs led them to success. The second talk was given by Prof. Deepti Lawand on Design Thinking. It emphasized on how these stages work and how designers can use it to organize their thoughts in order to improve the creative process.



The Start - Up Route

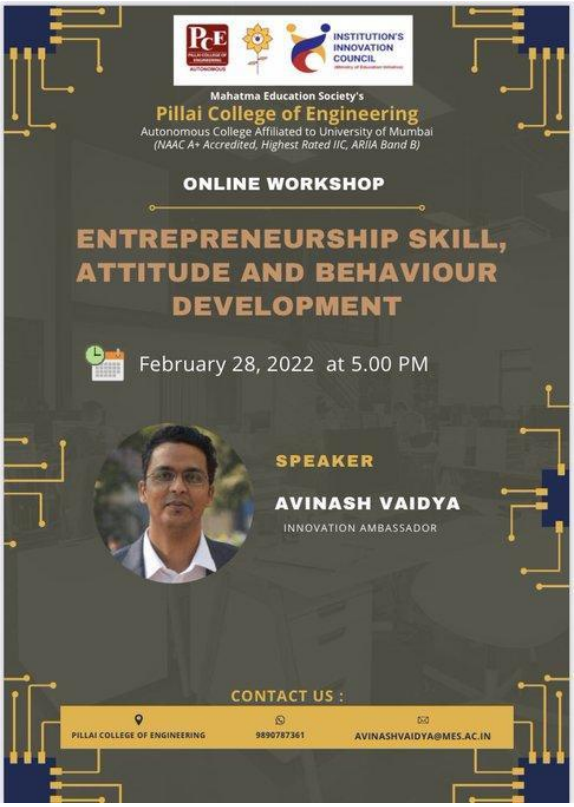
The speaker talked about the nuances of the ever growing startup world. She discussed the seed fund in the budget 2022-23 and also about the growth of startups in future. The session was very interactive. The session concluded with a formal vote of thanks. The participants were able to understand the future perspective of startups in India.

Workshop on Design Thinking, Critical Thinking and Innovation Design

Prof. Richa Agrawal explained the difference between Design thinking, critical thinking and Innovation in design. The speaker explained the various techniques to develop creative thinking and an activity based on SCAMPER technique was conducted. The session was very interactive. The participants were able to learn and apply SCAMPER technique to build creative thinking.

Innovation and Entrepreneurship

Prof. Varunakshi Bhojane discussed various types of innovation and entrepreneurship, How innovation and Micro Entrepreneurs are contributing to boost the economy of developing countries like India. She also discussed the factors which any microentrepreneur has to consider and the unintended consequences of the many Innovations. Overall session was very interactive and the audience was curious to know about various fundings given by the Government and other private sectors to boost the entrepreneurial mindset in India.



Workshop on Entrepreneurship Skill, Attitude and Behavior Development

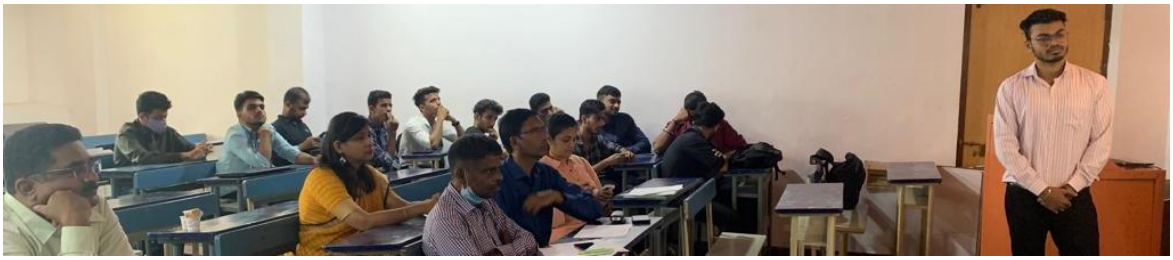
Dr. Avinash Vaidya explained the need for right behavior and attitude required to become a successful entrepreneur. The participants were made aware of various entrepreneurship skills.

Interactive Discussion for Collaborative Research & Innovation

IIC PCE has organized a meeting with the experts from MGM Institute of Health Sciences and MGM Dental College to discuss possible collaborative research and innovation work in the field of BioEngineering. Dr. Richa Agrawal gave a presentation showing the various projects carried out at PCE in the field of Bio Engineering and also about the facilities available at Pillai college of Engineering. It was a very fruitful discussion as many possible common areas of research were explored.

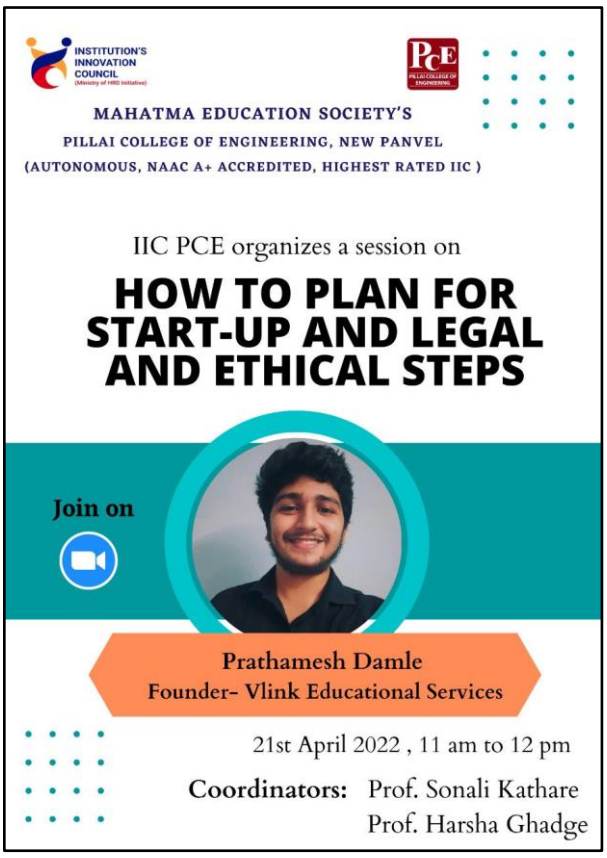
Demo Day

Pillai College of Engineering organized the Demo Day on 27th April, 2022. The aim behind was to motivate the students to make quality projects and also to extend financial support to deserving project ideas. This will also help to develop skill, review new dimensions of explored areas and gain knowledge of the unexplored areas of enquiry through the inputs received by experts. The event was organized for project groups from a pair of departments. Minimum 6 project groups were shortlisted from each pair of departments by the department heads and respective project coordinators. Parallel sessions of the final round for the shortlisted groups was scheduled on 27th April. The project work was judged by a panel of judges composed of invited experts from the domain and heads of respective pairs of departments The winners from each pair of departments were declared and facilitated with certificates and prize money.



Session on "How to plan for Start-up and legal & Ethical Steps"

PCE alumni Mr. Prathamesh Damle explained about the various startup types and their legalities. Also he has shared his personal experiences that he came across while setting up his own start up. He also discussed the ethical steps and how it can vary from company to company. He encouraged students to plan for a startup from their early age and go ahead with their ideas.



Workshop on Prototype/Process Design and Development - Prototyping

PCE IIC organized an Idea generation Workshop for faculty and students. All the participants were individually given 5 mins time to explain their idea and project and the speakers addressed their queries with proper guidance possible. Students got better understanding and authentication for the ideas they had and how to progress ahead.

Smart India Hackathon 2022

Smart India Hackathon is a nationwide initiative to provide students with a 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. The first four editions SIH2017, SIH2018 , SIH2019 and 2020 proved to be extremely successful in promoting innovation out-of-the-box thinking in young minds. SIH 2022 brings the next generation evolution by inclusion of new methodology to inculcate the culture of startup and innovation ecosystem across different age groups. Four teams from Pillai College of Engineering were selected to compete in the Grand Finale of Software Edition. Two teams: "Team Homebrew" and "Team SARBOT" were winners with First Prize Rs. 1,00,000/- and Rs. 75,000/-.

Team Homebrew provided a solution for the problem statement "Extraction of Data including voice and images from various social Media platforms from Disaster struck areas", which was floated by NDRF. Nodal center for the team was Pandit Deendayal Energy University (PDEU). Team was headed by Om Surve and team members were Shreya Mohan Belanekar, Hitesh Lukesh Meta,Kunal Kishor Wagh, Yash Ramdas Wakekar and Tanishq Parkar. Prof. Jinesh Melvin was mentor of the Team.

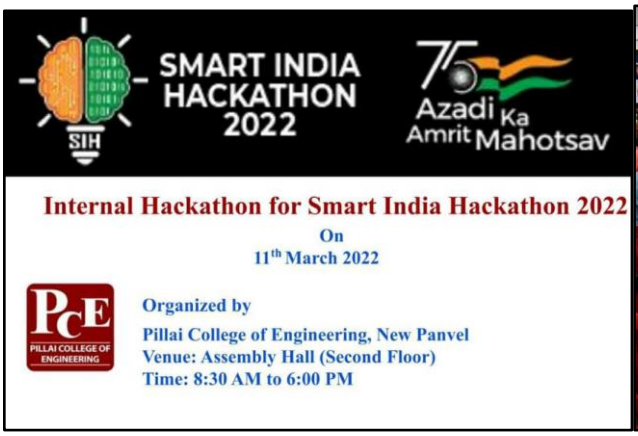
Team SARBOT was a Hardware team under the Student Innovation category. They worked on "Design an amphibious spherical robot for search and rescue operations". Problem statement was selected by students by themselves. Nodal center for the team was Indian Institute of Technology, Roorkee. Team was headed by Aakash Shenil and team members were Sejal Pandey, Mayur Patil, Mrunal Gangurde, Utkarsh A. Shinde and Saurav Singh. Team was mentored by Prof. Salim Jafri.

Team Tech Phantoms provided the solution for the problem statement "Technology demonstration of digital stamping of electronic communication/message to know its origin, date, time and spread" which was floated by Delhi Police. Nodal center for the team was Lovely Professional University, Punjab. Team was headed by Yusuf Ansari and team members were Mansi Jasoria, Shreyan Haldankar, Jayesh Rajbhar, Shreyas Sankpal and Tejas Kadam. Prof. Abhijeet Pasi was mentor of the Team.

Team Shrita provided a prototype for "Automated Portable Kashaya making device which can be carried at office/workplace with ease of portability" which was floated by the Department of Ayush. Nodal center for the team was Amal Jyothi College of Engineering, Kerala. Team was headed by Nidhi Kanthavale and team members were Harishankar Radhakrishnan Nair, Aadesh Ramchandra Kadam, Sanket Jadgish Jadhav,Shreya Rajendra Naik and Mihir Sidheshwar Prasad. Team was mentored by Prof. Amey Nijasure.

Internal Hackathon for SIH 2022

Smart India Hackathon is a nationwide initiative to provide students with a platform to solve some of the problems which we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. Internal Hackathon was organized on 11th march 2022. Total 12 teams registered for the event out of which 02 were from hardware and 10 teams from software background.



RATINGS
Prestigious Autonomous Status
BEST PERFORMING

SMART INDIA HACKATHON 2022
Azadi Ka Amrit Mahotsav
Internal Hackathon for Smart India Hackathon
Organized by

SMART INDIA HACKATHON 2022
Azadi Ka Amrit Mahotsav

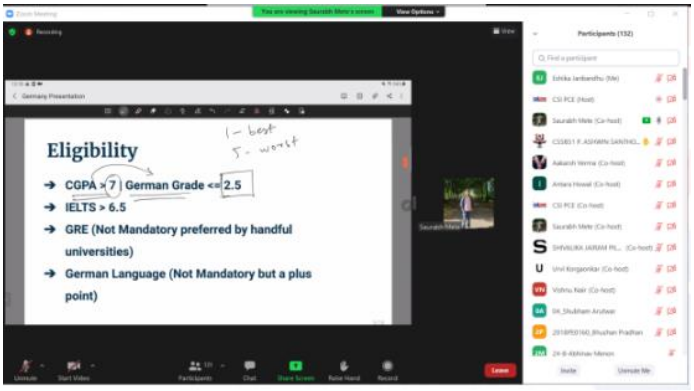
Student Chapter Activities

CSI

Sr. No.	Name of Activity	Date	Speaker
1	Insights of Master's in Germany Webinar	14th August, 2021	Mr. Saurabh Mete, TU Dortmund, Germany.
2	Introduction to Flask	22nd to 26th January, 2022	Students of the S.E. IT and CS
3	2D Game Development in Python & Git	5th February 2022	Mr. Mubin Ansari (Jt. Technical Head) from T.E. Computer Department and Ms. Sanjana Barhate (Content Manager) from T.E. I.T. Department.
4	From Design to Code: Figma x Tailwind	5th March, 2022	Mr. Hitesh, Meta and Ms. Mansi Jasoria, in the second year of Computer Department,
5	Flutter	24th March 2022	Mr. Sonu Mondal Student TEIT
6	Hackathon 2022	25th and 26th March 2022	-
7	Getting started with Competitive Programming	9th April 2022	Mr. Aditya Nair, Mr. Rahul Maurya, and Mr. Tanmay Hinge in the Fourth year from the Computer Department.
8	Flask	16th April 2022	Mr. Sonu Mondal (Jt. Coder's Club Head) from T.E. I.T. Department and Mr. Mubin Ansari (Jt. Technical Head) from T.E. Computer Department.
9	Machine Learning	21st April 2022	Mr. Mubin Ansari (Jt. Technical Head) and Mr. Athul Tulasidasan from T.E. Computer Department,

			and Ms. Antara Howal (Jt. Planning Head) from T.E. I.T. Department.
10	Wordpess	23rd April 2022	Ms. Shivalika Pillai (Jt. Secretary), Mr. Vishnu Nair (Inventory Manager), and Ms. Eshika Janbandhu (T.E. Advisory Council) from T.E. Computer Department.
11	Coder of Sem 4	8th May 2022	-

Insights of Master's in Germany Webinar



This webinar would help students to envision what lies ahead in the world of the master's degree. The webinar was free for all the attendees. This webinar aimed to answer questions regarding the application process in Germany, the eligibility criteria, and other such aspects. Later in the webinar other fundamentals like living expenses, part-time jobs, and many more things were explained.

Introduction to Flask

Two sessions of the webinar were conducted through the online platform Zoom, for the students of the S.E. Information Technology Department on Saturday and the students of S.E. Computer Department and the students of the Electronics and Computer Science Department on Wednesday. Topics covered in

the sessions were basics of Flask The expected student count for the webinar was around 100-150 for each session.

2D Game Development in Python & Git

The session was conducted both offline as well as online mode. The workshop was held in Lab P-301 in offline mode and on the platform Google Meet in online mode. The speakers introduced the students to Pygame, they were taught about the basics of Git, Repository initialization and setup on GitHub, and the basics of Python. The number of entries in the offline mode was 57, whereas in the online mode was 30.

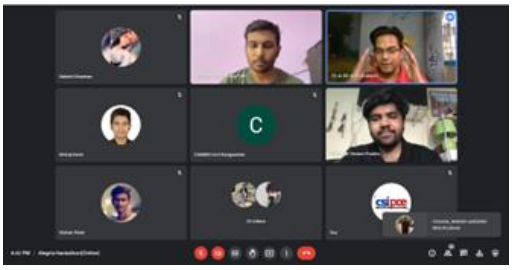
From Design to Code FigmaTailwind

The session was conducted in offline mode in Lab P-301. The registration fee was Rs.50 for non-CSI members and FREE for CSI members. The students were taught about the basics of Figma and tailwind. The total number of attendees for the workshop was 71.

Flutter

The session was conducted both offline as well as online mode. The workshop was held in Lab P-301 in offline mode and on the platform Google Meet in online mode. The registration fee was Rs.200 for offline mode and Rs.150 for online mode. The participants were taught the basics of Dart programming language, which is the underlying language used for Flutter, how to set up a flutter project, and use the online IDE – FlutLab. The number of entries in the offline mode was 82, whereas in the online mode was 40.

Hackathon 2022



The session was conducted online mode, through the platform Google Meet. The registration fee was Rs.200 per team. The total number of entries was 19. The hackathon consisted of 3 rounds. The first round was the mentor round, three groups with six teams each were created and a faculty was allotted to each group as a mentor. The second round was the Elimination Round, two groups were made each of nine

teams which were judged by two faculty juries. The teams were given scores based on multiple criteria and the top six teams were declared finalists. In the final round of the Hackathon, the six finalists demonstrated their solutions and the top three teams were declared winners.

Getting started with Competitive Programming

The workshop was held in Lab S-205 and Lab S-206 in offline mode. The speakers introduced the students to the concept of Competitive Programming. They were taught the basics of C++, Data structures, and Algorithms, along with examples of the same. The number of attendees for the workshop was 26.

Flask

The workshop was held in Lab P-301 in offline mode and on the platform Google Meet in online mode. The speakers introduced the students to Flask which is a web framework written in Python. The number of entries in the offline mode was 51, whereas in the online mode was 31.

Machine Learning

The workshop was held in Lab P-301 in offline mode and on the platform Google Meet in online mode. The registration fee was Rs.200 for offline mode and Rs.150 for online mode. The speakers introduced the students to various concepts related to Machine Learning. They were taught about the prerequisites namely the basics of Python, data analytics libraries – NumPy and Pandas, and data visualization libraries – Matplotlib and Seaborn. The highlight of the workshop was when the participants were taught 3 Machine Learning Libraries – Linear Regression, Decision Trees, and Random Forests. They also learned how to use these libraries and train the ML

model and use it to predict data. Later, the participants coded along and tried out the predictions based on these models. The number of entries in the offline mode was 78, whereas in the online mode was 35.

Wordpress

The workshop was held in Lab P-301 in offline mode and on the platform Google Meet in online mode. The registration fee was Rs.200 for offline mode and Rs.150 for online mode. The participants were taught about the basics of hosting, Xampp server, and WordPress configuration and how they could host their website for free on pantheon.io. The theme used for the website was Astra, the builder used was Elementor and a Livemesh plugin was installed. The number of entries in the offline mode was 20, whereas in the online mode was 14.

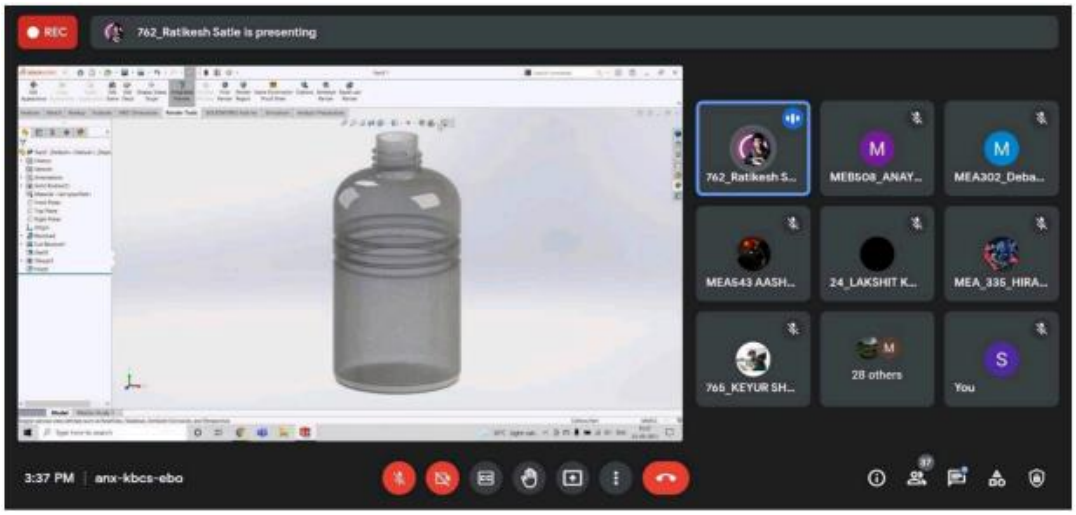
Coder of Semester Season-4

The competition was conducted on the platform Hackerrank and instructions were given through the platform Google Meet. The competition was free of cost. The total number of entries for the event was 76. The competition had a single round of challenges which consisted of 5 problems with difficulty ranging from easy to hard for 3 hours. The results were declared after the contest was over and the code submitted by the participants were reviewed. The top 5 competitors were declared as contest winners:1st - Pranav Sunil (FE Comps) 2nd - Kartik Chauhan (TE IT) 3rd - Aryan Agrawal (TE IT) 4th - Mubin Ansari (TE Comps) 5th - Shubham Jha (FE Comps). Top 3 coders were felicitated with price money as a token of their achievement. The results were evaluated using the ACM Leaderboard on the platform and after reviewing the submissions of all the participants.

AESA-MESA

Sr No	Event Name	Date
1	Virtual workshop on basics of Solidworks	25th September, 2021
2	Webinar on ADAS	9th October, 2021
3	Start-up talk	15th November, 2021
4	Introduction to Altair and Altair Academic Initiatives	5th February, 2022
5	Industrial Visit to STUDCRAFT, Pune	28th February, 2022
6	Workshop on MATLAB Simulink	26th March, 2022
7	SolidWorks Competition	11th April, 2022
8	Industrial Visit to MAHAGENCO, Uran	26th April, 2022
9	Industrial Visit to ARAI, Pune	29th April, 2022

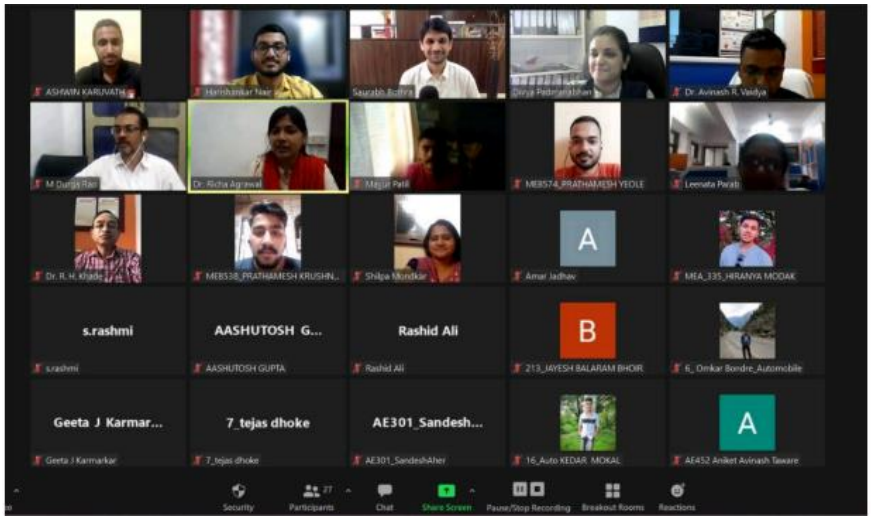
Virtual workshop on basics of Solidworks



AESA MESA successfully conducted a virtual workshop on basics of solidworks under the name of program ‘Learn with AESA MESA' for SE and TE students of Mechanical and Automobile students. The workshop was divided in two sessions.The first session was conducted by Mr. Keyur Shah (B.E Automobile Chassis Head in Hyperion Racing Team) and he covered the basics of sketching in

Solidworks. The second session was conducted by Mr. Ratikesh Satle (B.E Automobile Captain and Chassis Head in Spark Racing Team) and he covered the basics of modelling of plastic bottles in Solidworks.

Start-up talk



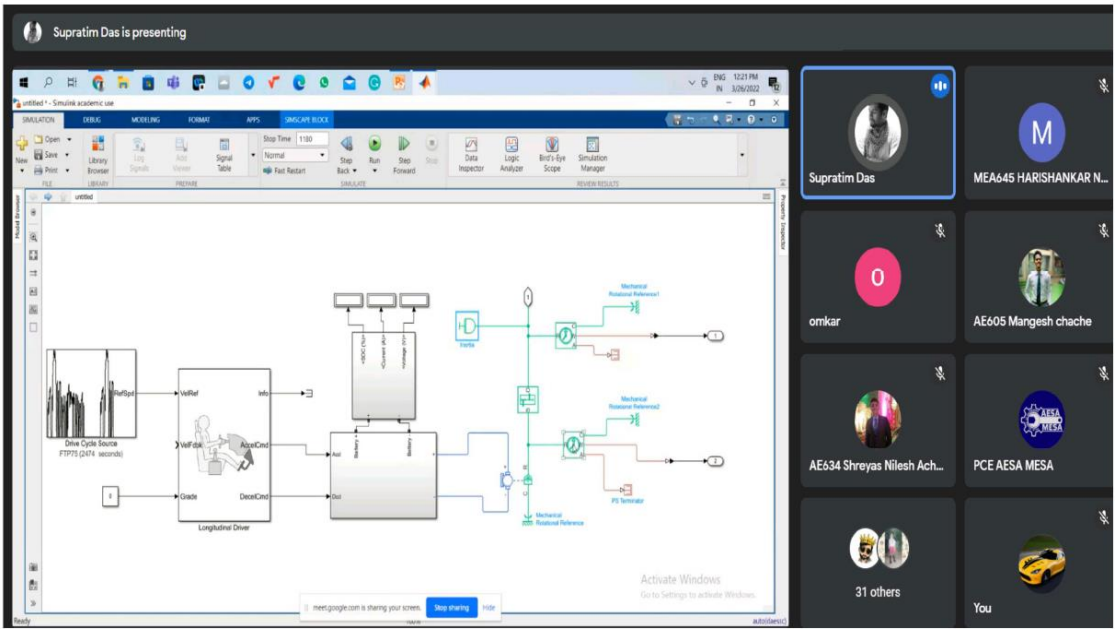
An interactive session on Startup Mindset with successful entrepreneur Mr. Saurabh Bothra , was organized. He is an IITian , TEDx speaker and director of a textile company. Session was kept open for students from all the departments. Session was really interactive and engaging by the speaker. Also the experience he shared benefited students in planning their entrepreneurship path ahead.

Introduction to Altair and Altair Academic Initiatives

Altair India Academic initiatives, primarily aims to bridge the gap between academia and industry partnership, presents a platform and facilitates interaction. The session speakers Mr. Ramesha BS (Sr. Manager Academic Initiatives, Altair) and Mr. Indra Kumar (Global Experience in Plant Management, Timken Company & Tata Motors) mentioned advantages of Altair academic and ways in which it can be useful to students and also mentioned various courses and certifications available on Altair Academic.

Industrial Visit to STUDCRAFT, Pune

Workshop on MATLAB Simulink

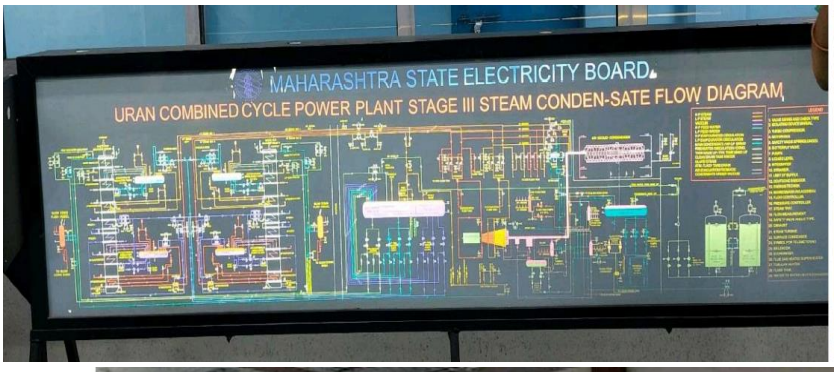


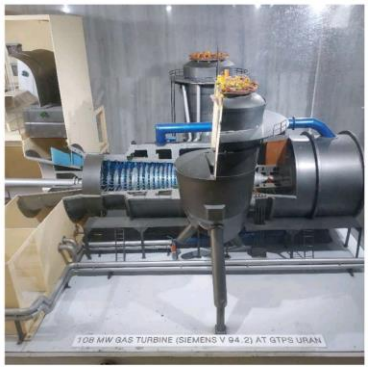
The workshop gave an in depth knowledge of the simulink module of MATLAB. Simulink, an add-on product to MATLAB, provides an interactive , graphical environment modeling, simulation and analyzing of dynamic systems. It enables rapid construction of virtual prototypes to explore design concepts at any level of detail with minimal effort. It provides GUI for building models as block diagrams. He explained an EV Model on Simulink for better understanding.

SolidWorks Competition

The competition was divided into two stages. In each stage the participants were given parts to be drawn and assemble. 50 students participated in the first stage. 11 students were selected for the second stage on the basis of their performance in the first stage. The event resulted in enhancing the knowledge of the participants which will be beneficial for their professional growth.

Industrial Visit to MAHAGENCO, Uran





The total power generation capacity of the plant is 672 MW. All the systems installed are of Siemens. Students were to see the sectional models of gas turbines. They also saw the Gas Regulator, Condenser

fans, Gas Turbine Generator, Steam Turbine and the Control Room. It was a great learning experience for all.

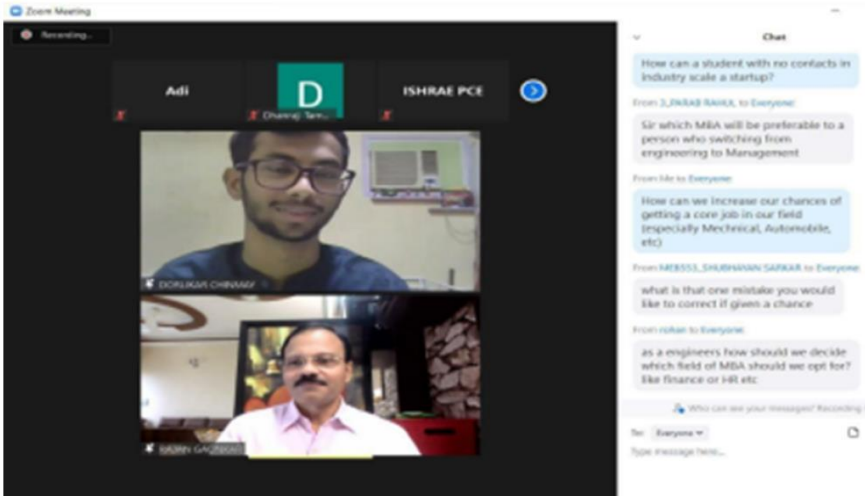
Industrial Visit to ARAI, Pune

The visit was planned to increase the knowledge of the students about vehicle safety and promise safer cars in future. The different facilities visited were Learning Centre, Training Centre, Knowledge Centre, Forging and Heat Treatment Laboratory, Noise and Vibration lab, Automotive lab, Engine lab, Hybrid Electric Vehicles lab, Gigahertz Transverse Electro-Magnetic lab etc.

ISHRAE

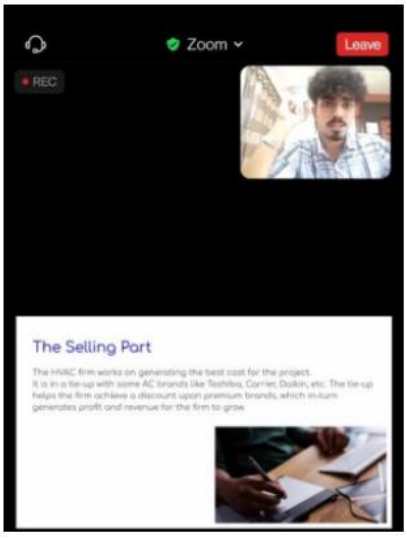
Sr No	Event Name	Date
1	E square (Explore the experience)	22nd July, 2021
2	Providing Thermal Comfort	24th July, 2021
3	Installation ceremony and technical talk on “Safety Challenges & Solutions in HVAC&R Systems”	4th September, 2021
4	K12 - Aspee Vidyalaya	25th September, 2021
5	K12 - Riveria CHS	20th November, 2021
6	IV - Kruger Ventilation Pvt. Ltd.	9th December, 2021
7	IV - YOTTA data centre	17th December, 2021
8	K12 - Girija STEM 1	25th December, 2021
9	K12 - Girija STEM 2	25th December, 2021
10	K12 - Girija Non STEM 1	25th December, 2021
11	K12 - Girija Non STEM 2	25th December, 2021
12	Monday IG Quiz	17th January, 2022
13	Wednesday IG Quiz	19th January, 2022
14	K12 - Shri Dsant Sai Baba Vidyalaya Non STEM 1	18th February, 2022
15	K12 - Shri Dsant Sai Baba Vidyalaya Non STEM 2	18th February, 2022
16	K12 - Shri Dsant Sai Baba Vidyalaya Non STEM 3	18th February, 2022
17	K12 - Shri Dsant Sai Baba Vidyalaya STEM 1	18th February, 2022
18	K12 - Shri Dsant Sai Baba Vidyalaya STEM 2	18th February, 2022
19	K12 - Shri Dsant Sai Baba Vidyalaya STEM 3	18th February, 2022
20	MECH SQUIBBLE 2022	19th February, 2022
21	Tree Plantation Drive	20th February, 2022
22	Dry All IV	8th - 9th April, 2022
23	Tata Power IV	16th - 17th April, 2022

E square (Explore the experience)



The talk show with Mr. Rajan Gaonkar provided technical and fundamental insight of various industries by expert professionals. This was followed with a question-and-answer session with the guests regarding the industrial experience, importance of industrial and commercial work and a brief detail about how it looks like being an engineer to holding such a strong position in their respected industrial field. This event was the new beginning to all the new members and the beautiful start to the fresh year.

Providing Thermal Comfort (The practical side of HVAC&R)



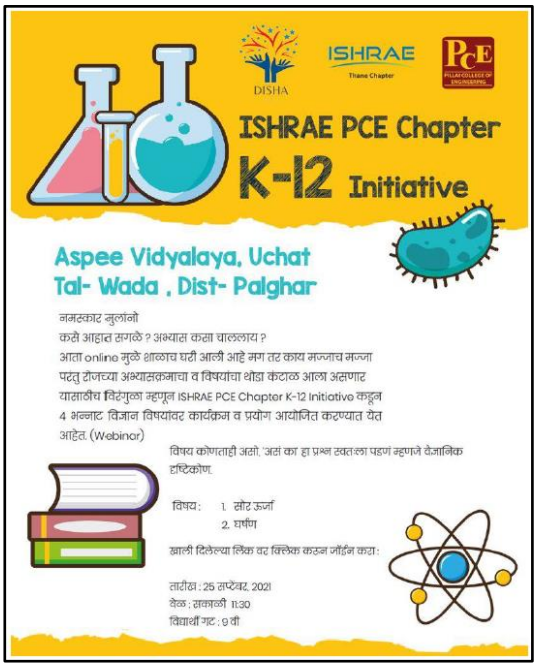
The speaker had a talk with the students regarding HVAC and RAC, about the installation and maintenance of the system. Various types of topics were covered in the session for example importance and potential of this field, features and work, and the sales part of the HVAC industries. The event was an interactive session. It was a close look into the industry through the eyes of our Alumni Aditya Sonavane.

The event was later followed with the orientation program of the ISHRAE PCE which was smoothly conducted by the host of the ISHRAE committee.

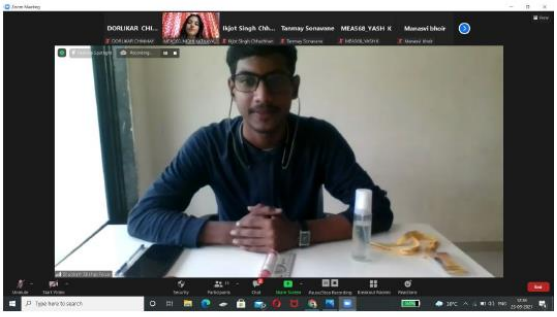
Installation ceremony and technical talk on "Safety Challenges & Solutions in HVAC&R Systems"

ISHRAE PCE Student chapter conducted their Installation Ceremony and Webinar on the 4th of September, 2021. The technical webinar was on the topic "Safety Challenges & Solutions in a HVAC&R System" where the speaker Mr. Chetan M. Tavare spoke about various safety challenges explicated in a typical HVAC & R. Dignitaries from ISHRAE Thane Chapter & PCE talked about various programs conducted by ISHRAE like K12, IV's, Webinars, Internships & Job Junction. The ISHRAE PCE student chapter president Mr. Chinmay Dorlikar announced the theme for the following year namely "DISHA" and an official webpage for the student chapter was also launched during this meet.

K12 - Aspee Vidyalaya

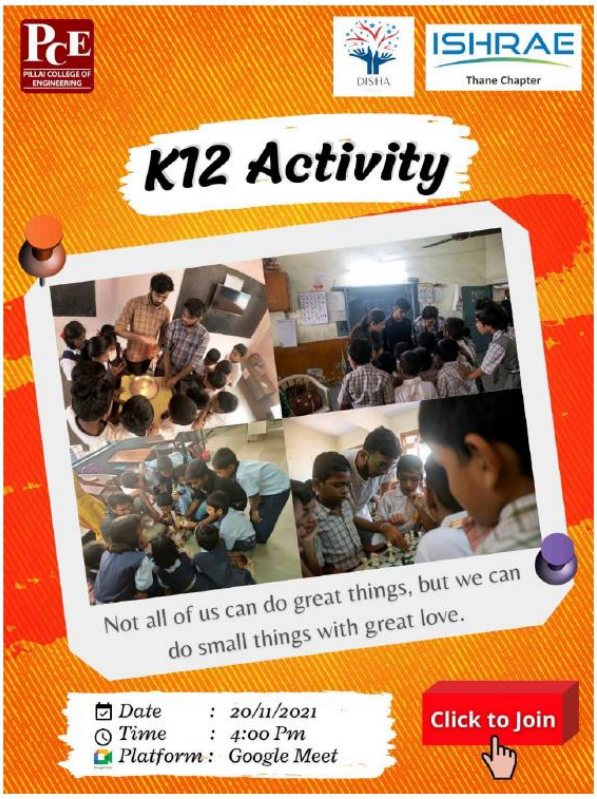


ISHRAE PCE Chapter in collaboration with ISHRAE Thane Chapter organized a K12 activity for the students of Aspee Vidyalaya in which a session on "Basic Science experiments, solar energy, friction, and newton's laws was delivered by the event speakers Kotawadekar Yash Rajesh; Chhanchhan Ikjot Singh Gagandeep Singh; Pawar Shubham Shahaji; Shinde Prajyot Chandrashekhar.

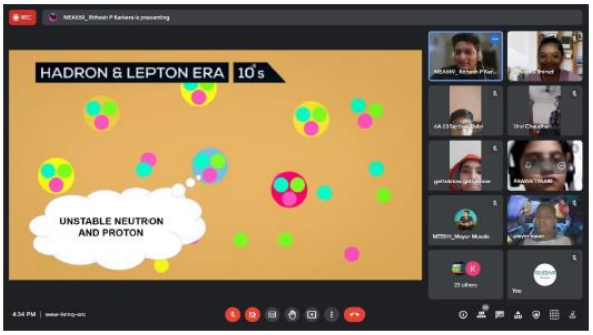


Pawar Shubham explaining Newtons laws

K12 - Riveria CHS



The second K12 event was organized for the students of Riviera CHSL in which a session on "Basic Science experiments and theory, current and electricity with basic example, Big Bang Theory (solar system), atoms, molecules and density with practical experiment was delivered by the event speakers Mayur Sunil Musale, Rithesh Pravi Karkera, Mihir Vijay Bora. The event was made very interactive and many doubts related to the event topic were asked by the enthusiastic students.



IV - Kruger Ventilation Pvt. Ltd.

The visit was a great experience for all the students as they learned more about various ventilation equipment related to Refrigeration and Air Conditioning in a very simple and sophisticated manner. They got hands-on experience, and a brief knowledge about the ventilation fans, its working, their manufacturing process, as well as the industrial experience about how to manage everything. ISHRAE helped to get an insight of the actual industrial working.

IV - YOTTA Data Centre

During the visit, the students saw the underground diesel generators which are the backup power source in case of power failure and were made aware of its working. They also visited the BMS (building management system) room and the transformer room while following the safety protocols. After that they visited the industrial chillers which were located on the terrace of the building.These chillers are specially imported from Italy. This visit provided the students with a very professional experience, and also expanded the job horizon for students pursuing mechanical engineering. They got to learn about how data is stored and brief knowledge about the cooling and ventilation system. The whole work environment was quite encouraging which really motivated students.

K12 - Girija STEM 1

Student member Sarath Nair took the initiative to address the students about the facts and functions of the universe including some basic information about its formation and existence. Rahul Parab and Om Kulkarni came up with different tips and tricks of mathematics which would definitely help the students to save their time and have fun solving these numbers. The event was made very interactive by the speakers and many students were equally involved in all the activities.

K12 - Girija STEM 2

Om Kulkarni came up with an idea for a Water Glass experiment which gave a short and sweet idea of the phenomenon. This experiment was executed successfully and many of the kids were satisfied with the new scientific term which they came across during this experiment. As growing technology is an essential part of society , our engineers came up with an activity of electronic circuits and mechanical outcomes to enhance the knowledge of the students. Mayur Patil discussed the weight distribution using an experiment with glass and paper. Apart from this, using his engineering skill set, he had developed an arduino program to show the signal lights and their working. This activity was executed successfully and many of the students got the idea of how the electronics actually works

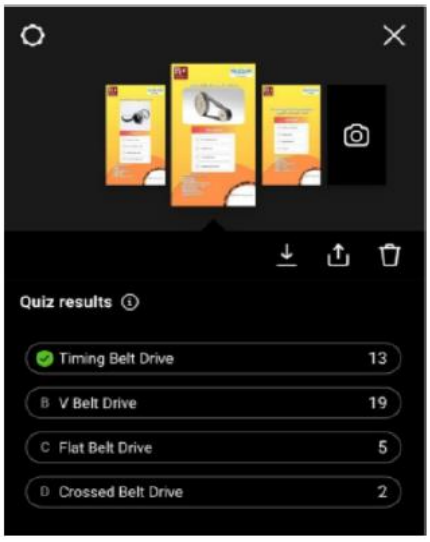
K12 - Girija Non STEM 1

As the event was organized on 25th December 2021, the core committee came up with the idea of having a santa claus celebration for fun with students. Chocolates and Pen were distributed to each of them remarking the traditional Santa Gifting ritual. The decoration of the board and christmas tree was done by the core committee members.
asgaas

K12 - Girija Non STEM 2

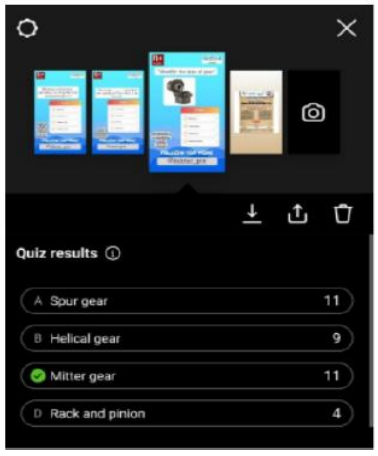
Chirag Kurmi actively participated and organized a small magic show for the kids. The show involved a variety of tricks including cards, coins, etcetera. The kids particularly were fond of this show just because of the sheer excitement to be amazed. All the students of the orphanage were given gift hampers and cakes by ISHRAE PCE as a part of this celebration.

Monday IG Quiz



ISHRAE PCE hosted another unique weekly event called "IG Quiz" and the theme for this event was based on the basic to moderate concept of HVAC. The benefits of this quiz for students were that they can practice what they currently know while also stimulating their learning about new topics, and this quiz was inspired by competitive exams such as GATE learning and others. 60 students participated in this competition, as this competition was kept in the aim for enhancing the knowledge, skills and time management for the students. These quizzes were posted on every Monday from 17th January 2021.

Wednesday IG Quiz



FEEDBACKS

Chinmay Dorlikar (ISHRAE PCE president)

– Brilliant idea!!

Rushikesh Dale (ISHRAE Thane Chapter)

– Good questions!

Similar to the Monday Quiz, another Wednesday Quiz was started from 19th january, 2021. This initiative of testing the knowledge of students in the HVAC field was very much appreciated by all.

K12 - Shri Dsant Sai Baba Vidyalaya Non STEM 1

This NON - STEM activity was a great success for both ISHRAE and the students of GIRIJA WELFARE. The event was made very interactive and well appreciated by fellow colleagues. The students were happy with the gifts and celebration.

K12 - Shri Dsant Sai Baba Vidyalaya Non STEM 2

Session by Mr. Saad Deshmukh

K12 - Shri Dsant Sai Baba Vidyalaya Non STEM 3

Session by Chinmay Dorlikar, Samiksha Katkar, Gauri Jagtap, Debarun Basu, Sayuri Kolekar

K12 - Shri Dsant Sai Baba Vidyalaya STEM 1

Session by Mr. Mayur Musale

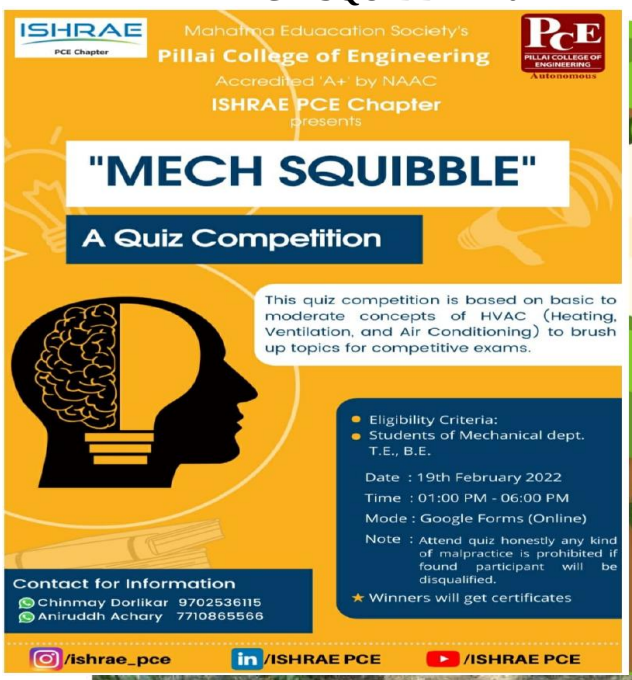
K12 - Shri Dsant Sai Baba Vidyalaya STEM 2

Mr.Shubhayan Sarkar

K12 - Shri Dsant Sai Baba Vidyalaya STEM 3

Session by Mr. Suprit Patil

MECH SQUIBBLE 2022



Tree Plantation Drive

Dry All IV

Dry All consiste of a staff of Engineers from the Research and development (R&D) Department, who are responsible for the designing, manufacturing, assembly and testing of systems. The students were guided through the manufacturing of Filter Drier, Oil Separator etc. They were explained the complete process of refrigeration , working of individual parts like condensers, compressors, evaporators and after this they were introduced to 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.

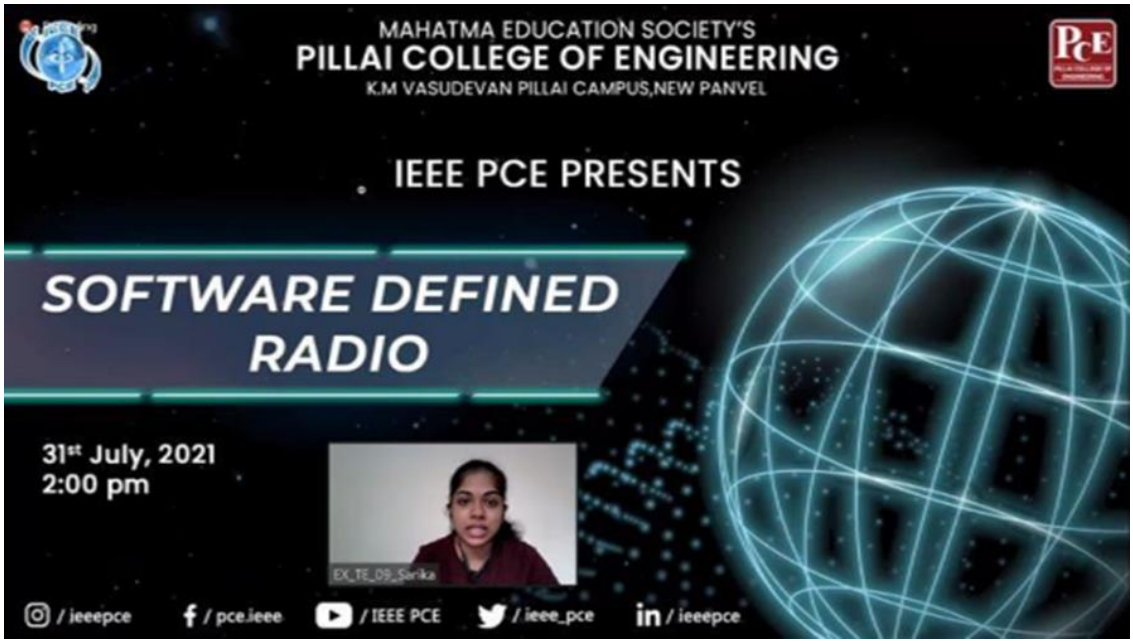
Tata Power IV

Students visited the Tata Power Plant of 1430 MW capacity following all safety protocols. The plant has three units: Unit 5 (500 MW Coal), Unit 7 (180 MW Gas based) and Unit 8 (250 MW Coal). The students were explained the maintenance process, duration between each maintenance and what all has to be taken care of while doing so. The students were very excited to see the processes and concepts they have been studying academically into actual industrial working. They also visited the control room where they saw the turbines, boilers, and the jetty from which the coal is being collected.

IEEE

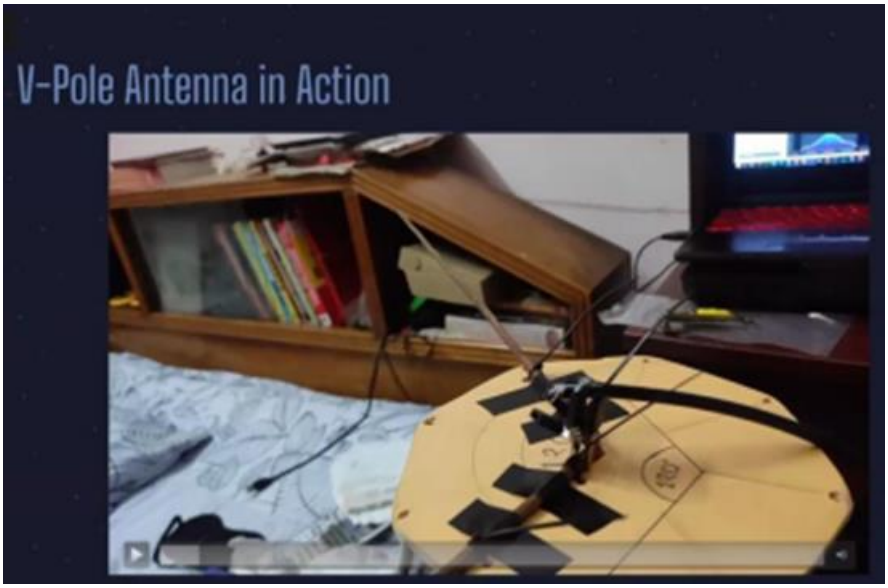
Event	Date	Speaker
Eye in the Sky: SDR Software	July 31, 2021	Mr. Suyog Vyawahare
Eye in the Sky: NOAA Image Reception	August 1, 2021	Mr. Sayed Nawroz
Embedded System Design : TEXAS MSP430 & ARM LPC2148	September 4 & 5, 2021	Prof. Ishmeet Singh Riar
Antenna Designing	October 29, 2021	Prof. Ishmeet Singh Riar
No Escape (IEEE Day 2021)	October 30, 2021	-
Photography Competition (IEEE Day 2021)	October 31, 2021	-
Art Competition (IEEE Day 2021)	October 31, 2021	-
ETRX & EXTC 2021 batch Farewell	February 26, 2022	-
No Escape x Alegria	March 25, 2022	-
FPGA	May 6, 2022	Mr. Jayesh Koli
LATEX	May 9, 2022	Prof. Ishmeet Singh Riar

Eye in the Sky: SDR Software



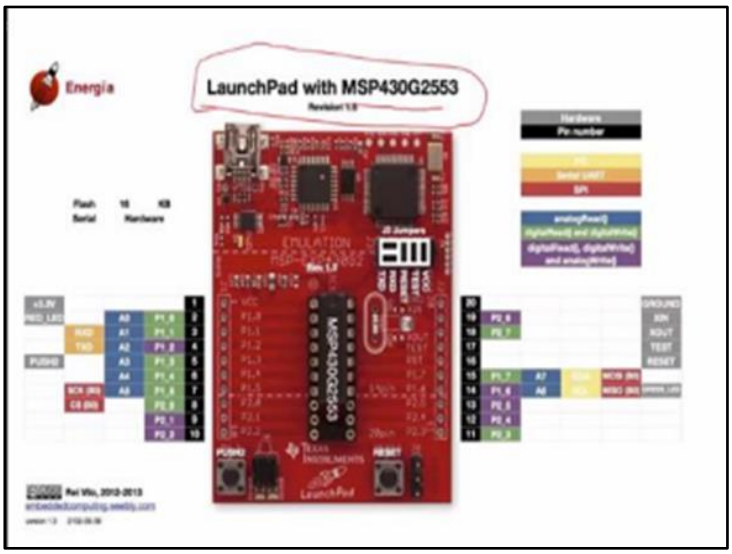
The webinar on SDR Software was initiated with a warm welcome and a brief introduction to IEEE PCE and its progress in the past year. Then the faculty members were invited to speak a few words on IEEE and its council's achievements over the previous year. It was followed by a short felicitation ceremony for the council members of the previous year to honor and acknowledge their contributions. Subsequently, a short video on IEEE was shown to get the students well versed about its membership benefits. Mr. Suyog Vyawahare began by giving us an introduction to SDR Software and how satellite imaging can be achieved by it. He went on to tell us about the applications of Satellite Imaging in various fields and briefly explained a few case studies. The students were filled in about the future possibilities and their own experiences with the software.

Eye in the Sky: NOAA Image Reception



The webinar on NOAA Image reception was initiated with a warm welcome and a brief introduction about the IEEE PCE membership benefits followed by a short video on the same. The keynote speaker, Mr. Sayed Nawroz began by briefing everyone on how to build an antenna and the installation of SDR Software. Satellite tracking, reception of signals, and their decoding using NOAA Decoding software were precisely explained. A few satellite-captured images and their analysis were shown along with the applications of satellite imaging and the various ways by which experts have used it to gather relevant data were explained to us. All the doubts, questions, and additional information that the students were curious about were enthusiastically addressed.

Embedded System Design: Texas MSP430



The workshop on Embedded System Design was conducted by Prof. Ishmeet Sigh Riar, professor at Pillai College of Engineering from the ETRX department. The workshop began with a brief introduction to embedded systems and their various applications in real life. It was followed by an in-depth description of the microcontroller Texas MSP430, its launch pad, and what the multiple pins on it are used for. Line by line explanation of the programming of MSP430 using Code Composer Studio was provided to all the participants.

Embedded System Design: ARM LPC2148

Day 2 of the workshop on Embedded System Design was also conducted by Prof. Ishmeet Sigh Riar, professor at Pillai College of Engineering from the ETRX department. Participants were provided with a brief revision on Embedded Systems and their classification quickly after which the focus shifted to microcontroller ARM LPC2148. Sir proceeded by giving everyone an in depth description of the microcontroller, its features, and what the multiple pins on it are used for. Line by line explanation of the programming of ARM LPC2148 using Embedded C was provided to all the participants.

Antenna Designing

The workshop on Antenna Designing was conducted by Prof. Ishmeet Singh, this was the first offline workshop after the pandemic struck and every volunteer was excited to work again. This workshop was the first event of IEEE Day 2021 and we inaugurated the event with a cake cutting ceremony by the hands of our respected HOD and faculty members. Everybody shared their views about IEEE day and also encouraged us to organize many more events in the coming year. The workshop was then

started and sir interacted with everyone by giving them theoretical and basic knowledge about Antenna Designing. The software used was CST and the designing part was done on this software.

NO ESCAPE (IEEE Day 2021)

IEEE Day 2021 was celebrated on 29th and 30th October. Due to the pandemic situation this year we celebrated IEEE Day virtually, just like last year. The IEEE PCE student chapter thought of making this day interesting as well as fun so that there is a break for students from their daily routine. Three events were organized in total out of which one of them was a technical event and the other 2 events were creative. The third event was No Escape- a virtual game of wits, a game that we designed last year during the pandemic and brought back again this year with a brand new theme: Marvel. It is an interactive online game designed to keep you on your toes till the very end. Incredible story line with multiple puzzles to solve and a rewarding prize at the end. This was the technical event which was organized on 30th October. A link was provided to the participants which led them to the first clue; by figuring out the clues the participants had to reach subsequent levels of the game. This game had to be played alone or either in a group of two. The winners, as well as the runner ups, were awarded with a cash prize.

Photography Competition (IEEE Day 2021)

IEEE Day 2021 was celebrated on 30th and 31st October. Due to the pandemic situation this year we celebrated IEEE Day virtually, just like last year. The IEEE PCE student chapter thought of making this day interesting as well as fun so that there is a break for students from their daily routine. Three events were organized in total out of which one of them was a technical event and the other 2 events were creative. The first event was the Photography Competition. Students from any college regardless of major or branch could participate in the competition. The entries were accepted online starting from 29th October. The winners were announced via IEEE PCE's official instagram handle on 31st October. The winners, as well as the runner ups, were awarded with cash prizes.

Art Competition (IEEE Day 2021)

IEEE Day 2021 was celebrated on 30th and 31st October. Due to the pandemic situation this year we celebrated IEEE Day virtually, just like last year. The IEEE PCE student chapter thought of making this day interesting as well as fun so that there is a break for students from their daily routine. Three events were organized in total out of which one of them was a technical event and the other 2 events were creative. The second event was the Art Competition. Students from any college regardless of major or branch could participate in the competition. The entries were accepted online starting from 29th October. The winners were announced via IEEE PCE's official instagram handle on 31st October. The winners, as well as the runner ups, were awarded with cash prizes.

ETRX & EXTC 2021 Batch Farewell

Owing to the pandemic the batch of 2021 never got a farewell party. Since conditions improved this year, IEEE PCE collaborated with ETSA PCE to provide the branch of ETRX and EXTC (2021) with an unforgettable farewell. Numerous entertainment events were organized including solo rapping, beatboxing, group dance, momentous speeches and so much more. The event began with the enthusiastic voices of two anchors - one from IEEE PCE and another from ETSA PCE. As they carried the event forward, faculty members were invited over to speak a few words for the audience - the graduated batch. Audience members in turn were invited over on the stage for some impromptu performances. The event concluded with a vote of thanks and a group photo session with the batch of 2021.

NO ESCAPE x ALEGRIA 2022

IEEE PCE collaborated with Alegria 2022, one of the city's biggest intercollegiate festivals, to organize No Escape, a game of our own inception. No Escape, a game that was originally created to be virtual was arranged to be played offline, in-person this time. Participants would enter a room that was connected to two other rooms subsequently via a door; the only way they could enter the second and third rooms and eventually escape would be by finding and inevitably solving the clues expertly hidden around the room. Participation was open to students from all colleges. Each team could consist of a total of 1-3 players and the winning team received a cash prize of Rs.1000 as well as certificates from Alegria. Overall, the participants had a great experience and the event was a huge success.

FPGA

The workshop on FPGA was conducted by Mr. Jayesh Koli, FPGA Engineer at Apple, California. The workshop began with a brief introduction to FPGA devices and how they are different from microcontrollers. It was followed by an in-depth description of an FPGA device and how its design directly correlates to its working. It was followed by some coding where participants were familiarized with Xilinx software and taught how to design FPGAs. Gate arrays created on the software were explained clearly and eventually the future of FPGA in the tech world was discussed. The workshop proved to be helpful, illuminating, and fun for everyone. It was concluded with a vote of thanks wherein a member of the council expressed their heartfelt gratitude towards everyone followed by E-certificates that were provided to all through a feedback form.

LATEX

The workshop on LATEX was conducted by Prof. Ishmeet Sigh Riar, professor at Pillai College of Engineering from the ETRX department. The workshop began with a brief introduction to what LATEX is and how it is useful in report writing. Demonstration was initiated by teaching students some basic LATEX commands which they performed on TeXmaker. Everything that would encompass in a report starting from heading and title to underlining and numbering and how that would be carried out using LATEX was covered in the workshop. Participants ended up making a rough version of their own reports that was needed for their semester project using the software.

ETSA

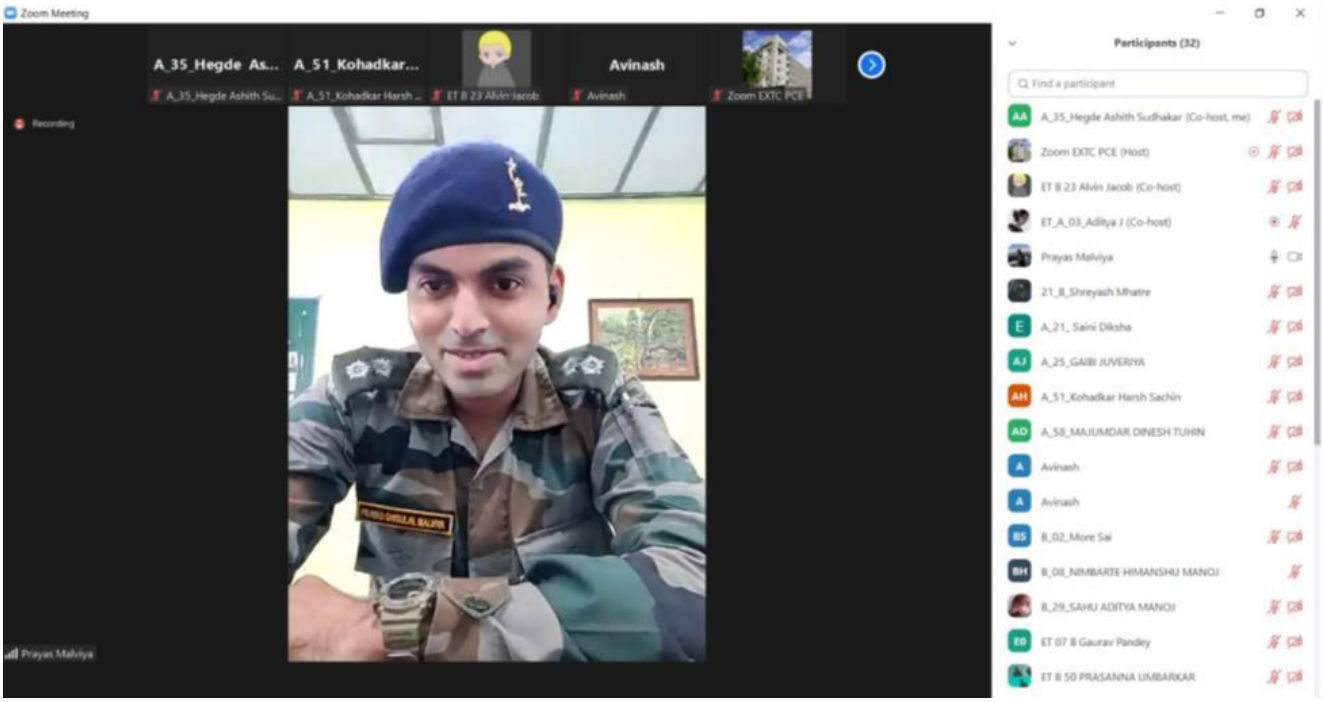
Sr. No	Event	Date	Speaker
1.	LaTeX	7th August, 2021	Prof. Ruchira Patole
2.	Independence Day	21st August 2021	Lt. Prayas Malviya
3.	Startup Talks 4	21st August 2021	Mr Akash Pera Mr Deeshak Patra
4.	Induction Day	15th September, 2021	Mr Eric Kotwal
5.	Startup Talks 5	13th November, 2021	Mr. Sagar Wabale
6.	IoT Workshop	12th January , 2022	Prof. Ruchira Patole
7.	Neural Networks Webinar	19th February, 2022	Adishree Sane Vineet Kekatpure
8.	Women's Day	8th March, 2022	-
9.	Creative Carnival	24th April, 2022	-
10.	ETSA Talk's	26th April, 2022	Mr Nilesh Mahajan Mr Dhaval Bhadra Mr Akhil Panicker Mr Sabyasachi Nath
11.	Alegria Collaborations	-	-

LATEX

ETSA-PCE organised on "LaTeX" on 7th August 2021. The session started at 4 pm and finished at 5:50 pm. This workshop was free for all the participants making the attendees aware of the LaTeX software. LaTeX is a software system used for document preparation. It is a high-level typesetting system, which includes features that help in the production of technical and scientific documentation. This workshop was conducted with the motive to familiarize the students with the LaTeX software system, which enables them to use it while preparing technical reports and black books. Our speaker Prof. Ruchira Patole delivered a really informative workshop, enhancing the students' abilities to use the software.

Independence Day

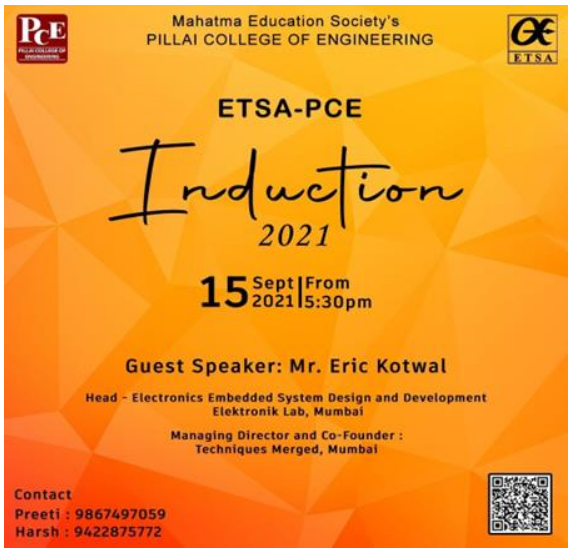
To celebrate Independence Day and spread awareness, ETSA organized an event on "The need of Technical Contributions for Independent India" on 21st August 2021. The session started at 3 pm. This event was geared towards recognising the need for technical contributions by today's students for the development of India. The speaker for the event Lt. Prayas Malviya shared with students his insights about the topic and his journey. He emphasized the importance of a strong mind in achieving your goals and talked about how you need to strengthen your mental core to be able to control your body and actions. It was a really inspiring session promoting and encouraging students to be part of the growth of an independent India by developing and becoming a better version of themselves.



Startup Talks 4

The fourth installation of the Startup Talks was held on 21st August 2021. Startup Talks is an event designed by ETSA-PCE so that students can get an opportunity to listen to the story of startup founders, and interact with them. The speakers for the event were Mr Akash Pera and Mr Deeshak Patra, Founder and CEO of WhatYouTech and Rowdy Stuff Films and Media house Pvt. Ltd. respectively. The event started at 11:00 am and concluded at 12:30. Our speakers shared their startup stories and interacted with students who were eager to start their own startup journey.

Induction Day

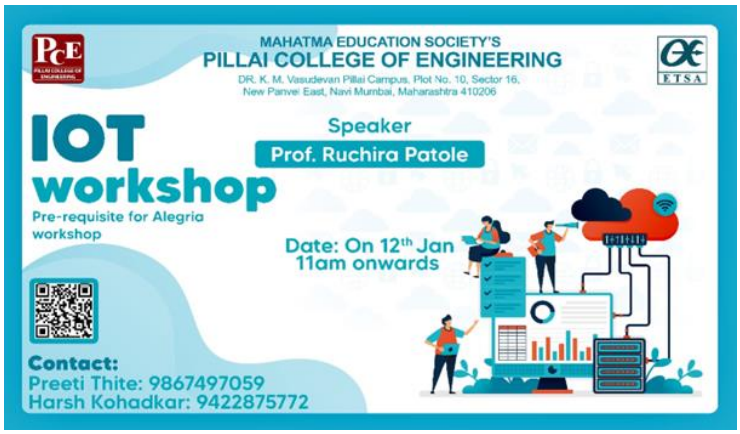


ETSA PCE organized an Induction Day event on Engineer's Day, celebrated on 15th September 2021. The event was conducted from 5:30 pm till 7 pm. The motive of the event was to celebrate Engineer's Day and ETSA-PCE. Students were introduced to what ETSA-PCE is and were made aware of the inner workings of ETSA. The event was also graced by Mr Eric Kotwal, Head of Electronics Embedded System Design and Development Electronic Lab, and the Managing Director and Co-founder of Techniques Merged who introduced the students to embedded systems and Raspberry pi.

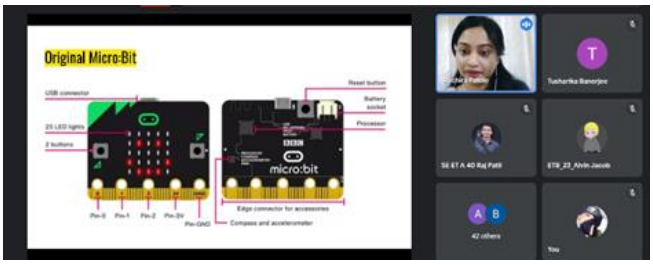
Startup Talks 5

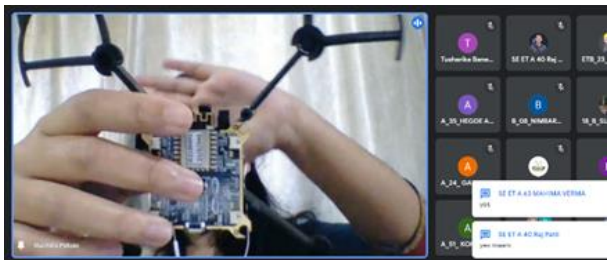
The Startup Talks 5 was held on 13th November 2021 from 11:00 am to 12:30 pm. The speaker for the event was Mr Sagar Wabale, Founder of Edutechmate, Bussiness Head at iStreet Technologies, and Director at Sai Engineering works. He shared his inspiring story and his own startup journey with the students. The event proved really beneficial for the students as it gave them deep insight into the establishment of startups. The event was really inspiring and filled with information related to the workings of a startup.

IoT Workshop

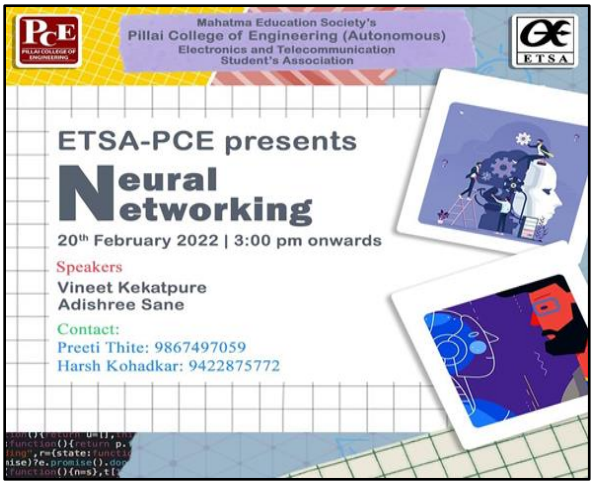


An IoT Workshop was organized by ETSA-PCE on 12th January 2022. The workshop was conducted from 11:00 am to 1:15 pm. IoT is an ever growing field which is being used in collaboration across various domains, to enhance the interconnectivity and the capability of the devices. This workshop aimed at providing technical insight into the use of IoT and the development of microcontroller-based systems to enable students to start their IoT journey. Working on boards such as the Arduino, MicroBit, Raspberry pi etc was discussed and shared a little information about systems based and designed using these boards. Few systems were demonstrated based on each of the boards. The speaker for the workshop was Prof. Ruchira Patole who presented a really informative and interactive session for our students.



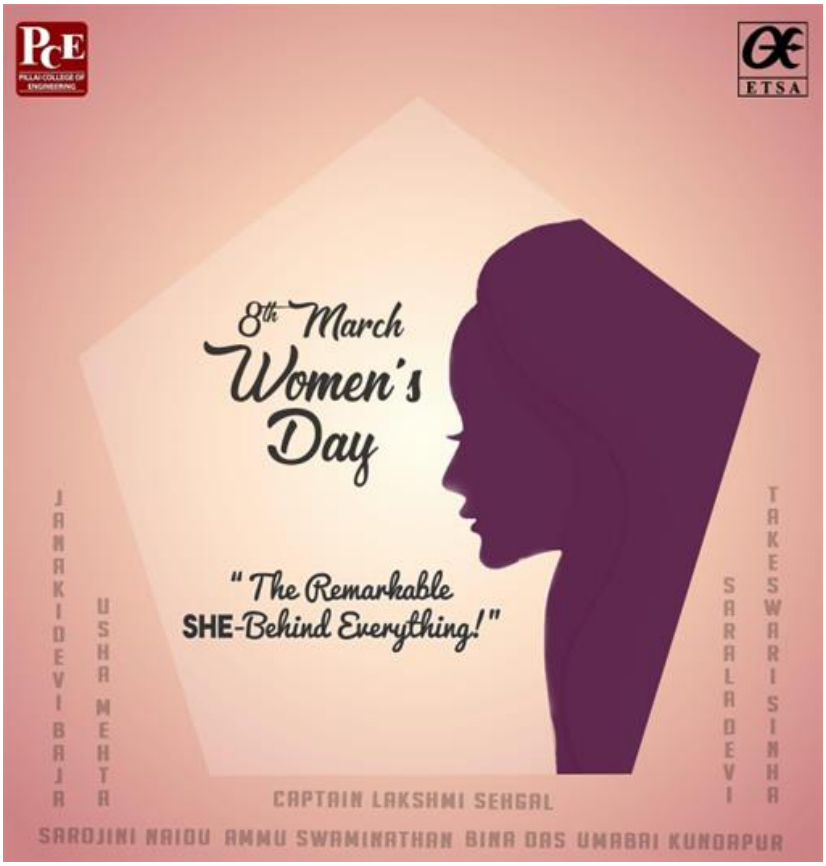


Neural Networks



A webinar on neural networks was conducted by ETSA on 19th February 2022. The session started at 3 pm and concluded at 4:20 pm Neural networks and specifically Artificial Neural Networks play an integral role in the development of AI-based systems. Neural networks reflect the behaviour of the human brain, allowing computer programs to recognize patterns and solve common problems in the fields of AI, machine learning, and deep learning. It is a subset of machine learning and is at the heart of deep learning algorithms. Understanding the basic structures and the theory behind them enables students to dive into the world of AI. The speakers for the event was Adishree Sane and Vineet Kekatpure who presented the students with the knowledge of Neural Networks and their underlying connecting structures.

Women's Day Celebration



On 8th March every year International Women's Day is celebrated and ETSA-PCE organized a celebratory event for the same. 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 8th March for the teachers of Electronics and Telecommunication Engineering and Electronics and Computer Science Department. The event was geared toward celebrating the female faculties and making everyone realize the importance of Women's Day. ETSA shared a fun day full of various entertaining activities with the faculty members. ETSA organizes this event every year to spread awareness about Women's Day and this year was also a success. The event first started with sharing the importance of International Women's Day and emphasized the roles women have played in the growth of the society. It was filled with various games designed to entertain the teachers and a video full of memories presented to the teachers. Finally, event concluded with a cake cutting and celebrations at 5:30 pm.

The Teachers and the female members cutting the cakes

Teachers and female committee members enjoying the games

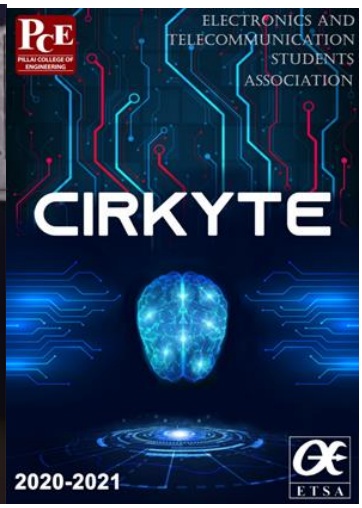
Creative Carnival

ETSA organised a Creative Carnival from 8th April 2022. The event consisted of a few competitions and was a way for students from different departments and colleges to showcase their creative abilities. The submissions from the students were really interesting and innovative and were really appreciated. The competition took place in different categories and at the end, all the participants and winners were presented with certificates and prizes. The event represented the amalgamation of creativity and talent of the students and gave them a chance to represent their hidden talents.

ETSA Talks

ETSA talks is the annual signature event of ETSA which consists of talks from various speakers and the launch of ETSA's annual magazine "CIRKYTE". This year consisted of a lineup of various speakers who enlightened the students with their knowledge. Mr Nilesh Mahajan, Vice President, Jio Platforms Limited, Mumbai, India; Mr Dhaval Bhadra, Co-Founder, i-Solarite; Mr Akhil Panicker, Deputy General Manager - QA, Jio Platforms Limited, Mumbai, India; and Mr Sabyasachi Nath, Assistant Manager - Business Analyst, Jio Platforms, Mumbai; were all part of the event. It was a really successful event which concluded with the launch of "CIRKYTE". The event was conducted on 26th April 2022 in the Auditorium.

ETSA 2021-2022



ETSA's "CIRKYTE" is it's annual magazine consisting of amalgam of topics from technical and non-technical sectors. It consists of articles written by the committee members which provide students with information about upcoming technologies. Apart from tech articles the magazine also consists of various inspiring stories and features the artwork and creative talents of the students. It is a perfect read and is a product of dedication and teamwork of the committee members.

Alegria Collaborations

ETSA even collaborated with ALEGRIA to conduct various Technical events and workshops for the students. ETSA collaborated for 4 events and conducted an event on Raspberry Pi, the Internet of Things, Blockchain and a Technical Paper Presentation. These events showed immense participation from the students and were a great success.

SWE

Society of Women Engineers
Mahatma Education Society's
Pillai College of Engineering

SN	Activity	Date
1	Artificial Intelligence Mentoring Session – 1	23rd July 2021
2	Artificial Intelligence Mentoring Session – 2	26th July 2021
3	Artificial Intelligence Mentoring Session – 3	6th August 2021
4	Artificial Intelligence Mentoring Session – 4	6th August 2021
5	Artificial Intelligence Mentoring Session – 5	6th August 2021
6	Artificial Intelligence Mentoring Session – 6	6th August 2021
7	Artificial Intelligence Mentoring Session – 7	20th August 2021
8	Artificial Intelligence Mentoring Session – 8	23rd September 2021
9	Hardware Design Mentoring Session – 1	12th February 2022
10	STEM Outreach Activity – 1 on the occasion of Women's Day	08 March 2022
11	STEM Outreach Activity – 2	27 April 2022

SWE PCE Affiliate mentoring sessions consist of a one-to-one interaction of our engineering girl students with SWE mentors who are professionals working in renowned industries. The students are chosen based on the questionnaire submitted by students registered under SWE PCE and will be mentored in the emerging areas of engineering and technology. These sessions are scheduled (in the evenings) such that they do not affect the regular timetable of our students or any of their academic activities. Our mentoring sessions are meticulously planned and designed in a manner to be geared towards the trending technologies and technical interaction between a student and the mentor. To start with, a trending arena of technology Artificial Intelligence (AI) along with the consideration of the availability of mentors from renowned and core industries has been chosen.

Artificial Intelligence Mentoring Session - 1

Event Date: 23 July 2021, 4:30 PM to 5:30 PM IST

Mentor: Juby Jose, Product Expert in AI Solutions, Senior Manager, Intel

Mentee 1 Sakshi Chavan Current Year: Final Year Engineering Branch: Mechanical Engineering
Mentee 2 Shilpa Gaddam Current Year: Third Year Engineering
Mentee 3 Rutuja Patil Current Year: Final Year Engineering Branch: Information Technology
Mentee 4 Shriya Deshpande Current Year: Third Year Engineering Branch: Computer Engineering

Artificial Intelligence Mentoring Session - 2

Event Date: 26 July 2021, 4:30 PM to 5:30 PM IST

Mentor: Vignesh Ram, Senior Data Scientist, Dow

Sample Certificate

Mentee 1 Komal Rajendra Vaishya Current Year: Third Year Engineering Branch: Computer Engineering
Mentee 2 Shreya Sunil Kashid Current Year: Third Year Engineering Branch: Electronics and Telecommunication Engineering
Mentee 3 Anamika Jumledar Current Year: Third Year Engineering Branch: Electronics and Telecommunication Engineering
Mentee 4 Sharanya Sharaschandra Bhat Current Year: Final Year Engineering Branch: Mechanical Engineering

Artificial Intelligence Mentoring Session - 3

Event Date: 06 August 2021, 4:30 PM to 5:30 PM IST

 Mentor: Pushpalata Mestry, Director, Capgemini Engineering Licensed NLP Coach - Richard Blander, Leadership Coach Engineering, Leader for North America Automotive, Infrastructure, Transport & Rail Business	 Supporting Mentor: Ragavie Dakshinamoorthy, Mobile Solution Architect, Capgemini
Mentee 1 Ashna Maurya Current Year: Final Year Engineering Branch: Information Technology	
Mentee 2 Eshani. R. Sawant Current Year: Final Year Engineering Branch: Information Technology	
Mentee 3 Samiksha Katkar Current Year: Final Year Engineering Branch: Mechanical Engineering	
Mentee 4 Rujuta Karekar Current Year: Final Year Engineering Branch: Mechanical Engineering	

Artificial Intelligence Mentoring Session - 4

Event Date: 06 August 2021, 4:30 PM to 5:30 PM IST

 Mentor: Sripriya Venkatesan, Senior Architect, Capgemini	 Supporting Mentor: Ami Cheda, Senior Consultant, Capgemini
Mentee 1 Mayuri Salve Current Year: Final Year Engineering Branch: Electronics and Telecommunication Engineering	
Mentee 2 Sakshi Singh Current Year: Final Year Engineering Branch: Electronics and Telecommunication Engineering	
Mentee 3 Priyanka More Current Year: Third Year Engineering Branch: Computer Engineering	
Mentee 4 Blessy Thomas Current Year: Final Year Engineering Branch: Computer Engineering	

Artificial Intelligence Mentoring Session - 5

Event Date: 06 August 2021, 4:30 PM to 5:30 PM IST

Mentor: Smiti Guru, Senior Manager, Capgemini	Supporting Mentor: Ami Cheda, Senior Consultant, Capgemini
Mentee 1 Shrishti Yadav Current Year: Final Year Engineering Branch: Mechanical Engineering	
Mentee 2 Nidhi Kathavale Current Year: Third Year Engineering Branch: Mechanical Engineering	
Mentee 3 Shivalika Jairam Pillai Current Year: Third Year Engineering Branch: Computer Engineering	
Mentee 4 Kensiya Kishorekumar Pillai Current Year: Third Year Engineering Branch: Computer Engineering	

Artificial Intelligence Mentoring Session - 6

Event Date: 06 August 2021, 4:30 PM to 5:30 PM IST

Mentor: Priyanka Prasad, AI/ML Manager, Capgemini	Supporting Mentor: Ragavie Dakshinamoorthy, Mobile Solution Architect, Capgemini
Mentee 1 Divya Gadhvi Current Year: Final Year Engineering Branch: Electronics and Telecommunication Engineering	
Mentee 2 Neha Kamath Current Year: Final Year Engineering Branch: Electronics and Telecommunication Engineering	
Mentee 3 Retu Mishra Current Year: Final Year Engineering Branch: Information Technology	
Mentee 4 Shefali Srivastava Current Year: Final Year Engineering Branch: Information Technology	

Artificial Intelligence Mentoring Session - 7

Event Date: 20 August 2021, 4:30 PM to 5:30 PM IST

Mentor: Suneet Taparia,
Solutions Architect, John Deere

Sample Certificate

Mentee 1 Shriya Deshpande
Current Year: Final Year Engineering Branch: Computer Engineering

Mentee 2 Kensiya Pillai
Current Year: Third Year Engineering Branch: Computer Engineering

Mentee 3 Deepika Gupta
Current Year: Final Year Engineering Branch: Electronics Engineering

Mentee 4 Arundhati Kar
Current Year: Final Year Engineering Branch: Electronics Engineering

Artificial Intelligence Mentoring Session - 8

Event Date: 23 September 2021, 4:30 PM to 5:30 PM IST

Mentor: Aishwarya Dubey
Sales Support Manager, Emerson

Sample Certificate

Mentee 1: Heemali Chaudhari Current Year: Third Year Branch: Electronics and Telecommunication Engineering

Mentee 2: Sofia Pinto
Current Year: Final Year Branch: Electronics and Telecommunication Engineering

Mentee 3: Himani Ranpriya Current Year: Final Year
Branch: Information Technology

Mentee 4: Gauri Jagtap
Current Year: Final Year Branch: Mechanical Engineering

Hardware Design Mentoring Session - 1

Event Date: 12 February 2022, 4:30 PM to 5:30 PM IST

Hardware will always have a place in the electronics industry, whereas software is useless without the hardware to run it on. In addition, there is no universal black box that is currently available that will be able to handle all product requirements. Considering this requirement and need for hardware designers, a mentoring session on Hardware Design was organized.

STEM Outreach activity - 1 on the occasion of Women's Day

Event Date: 08 March 2022, 1:30 PM to 5:30 PM IST

On Women's Day, SWE PCE Affiliate organized STEM Outreach activities for underprivileged middle and high school girls. STEM activities are creative experiments and projects that can teach real scientific principles in a fun, hands-on way.

Venue: Balikashram, Vatsalya Trust, Navi Mumbai

STEM Outreach activity - 2

Event Date: 27 April 2022, 1:30 PM to 5:30 PM IST

STEM activities are creative experiments and projects that can teach real scientific principles in a fun, hands-on way.

Venue: Balikashram, Vatsalya Trust, Navi Mumbai

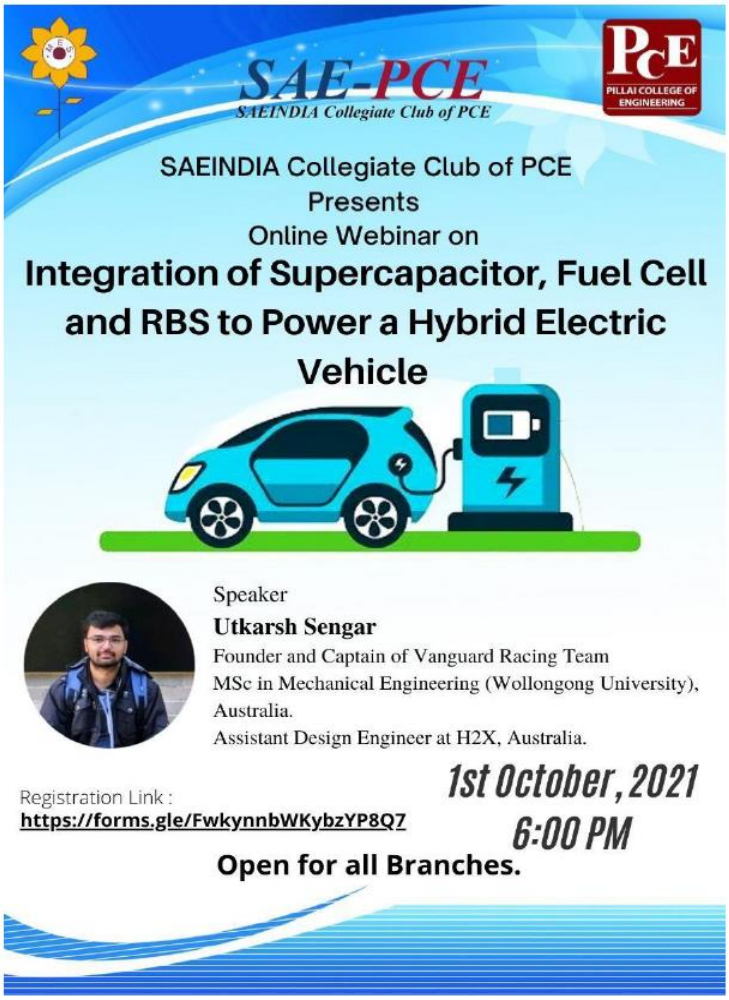
SAE PCE

SAE-PCE
SAEINDIA Collegiate Club of PCE

Sr No	Event Name	Date
1	Webinar on 'Integration of Supercharger, Fuel Cell and RBS to power a Hybrid Electric Vehicle'	26th October, 2021
2	Webinar on 'AI and ML Applications in Automobiles'	12th February, 2022
3	Quiz Competition on 'Recent Technological Trends in Automobiles'	5th March, 2022

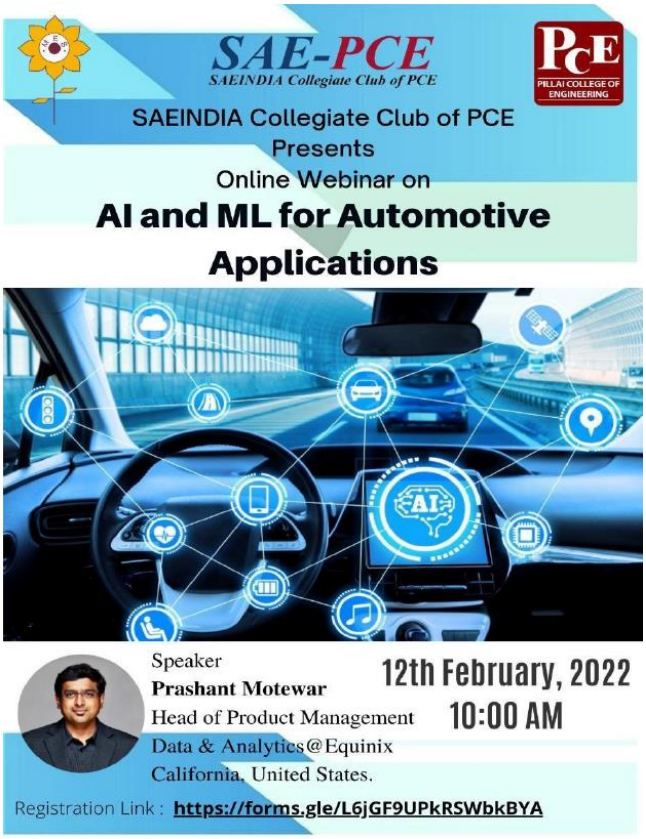
Webinar on 'Integration of Supercharger, Fuel Cell and RBS to power a Hybrid Electric Vehicle'

As we are moving towards cleaner and sustainable mobility solutions, hybrid electric vehicles play a huge role in this transition. While India is taking small but steady steps to transition from fossil fuel vehicles to electric mobility, Automotive field experts believe that hybrid vehicles are a better fit towards this goal in the immediate future. To know about what this technology is, a webinar was organised to a lot of topics in relation to the Hybrid Electric Vehicles starting from the Fuel Cell Technology, Calculation Parameters, Generic Assembly and Positioning of components in the vehicle and a lot more.



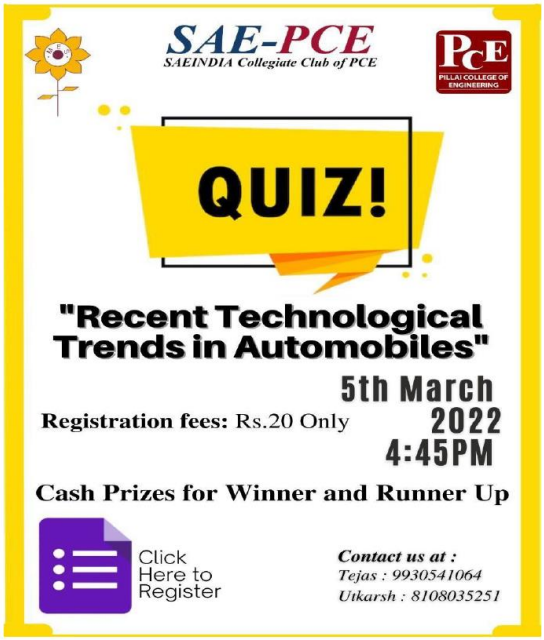
Furthermore, advantages, disadvantages and difficulties were also discussed to shift the automobile market from combustion to hybrid electric based on cost, performance etc.

Webinar on 'AI and ML Applications in Automobiles'



AI in cars is becoming the technology that can replace humans behind the wheel. With deep learning algorithms, vehicles learn how to overcome difficult road situations and keep drivers, passengers, and other traffic participants safe. Machine learning automotive helps to minimize the human factor on the road. To discuss more on this, a webinar was organized which covered various topics viz. day-to-day applications of AI, the current applications of AI and ML in Automobiles and the future technologies and scope in it, different Machine Learning algorithms and approaches, use of Machine Learning as a Predictive Tool, etc. Furthermore, advantages and difficulties were also discussed in Integration of these technologies in Automobiles and also the scope for these Technologies in India was discussed.

Quiz Competition on 'Recent Technological Trends in Automobiles'



A Quiz Competition on 'Recent Technological Trends in Automobiles' was conducted to evaluate and broaden the students knowledge on the latest automotive updates and trends.The Quiz Competition was conducted in 3 Stages. Stage 1 contained 10 questions and Stages 2 and 3 each contained 15 questions. The participants were given a time limit of 10 minutes for each stage. Every participant was qualified for stage 2. Five participants were shortlisted for stage 3 and based on the combined score of stage 2 and stage 3, the winners were decided.

VANGUARD Racing Team

VRT 04 team began their preparations for the BAJA 2022 in March 2021. The team completed the design and competed in the preliminary round of the BAJA virtuals. It secured 51 points in the quiz and design presentation round. The team was working in online mode due to covid restrictions. When covid restrictions were lifted, offline meetings were held to improve the design of the car. New members were recruited and were introduced to BAJA, ATV and other fundamentals related to all-terrain vehicles. VRT 02 was presented with a new look during the NAAC and NBA visit. The team submitted several reports for SAE BAJA 2021.

During the academic year, with all the efforts of the team members, VRT was successful enough to bag enormous funds from the PCE board committee. This was achieved with the help of a Faculty Advisor who constantly supported and guided the team. Team also conducted multiple technical workshops to generate funds for the manufacturing of ATV.

VRT 04 (2021-22)

The vehicle implements conventional powertrain which involves a sophisticated arrangement of Engine, Transmission, CVT, Half shafts, to give required performance. As per SAE BAJA Norms, the team shifted from 2WD to 4WD. It decided to use a three stage Gearbox, with gear ratio 3.3:1.

Technical workshops conducted at Vanguard Racing Team's workplace

On 19 April 2022 and 20 April 2022, a workshop was conducted to enhance the confidence of the students, teach them something out of their portion. On 19th, the topic was "Assembly and Disassembly of Briggs and Stratton 10HP Vanguard Series Engine" while on 20th, the topic was "Maintenance of a Vehicle". The workshop was conducted by Qasim Vaid along with a very passionate team. For the workshop on 19th April, it was a proper practical workshop in which not only the engine was disassembled and assembled but also the doubts of the participant students were cleared as they asked regarding the topic. Each role of the parts of the particular engine was also educated to the participants. For the workshop on the 20th April, the instructor spoke of maintaining a vehicle, some basics of diagnosing the issues and even resolved all the queries asked by the students. Knowledge of different types of engine oils, coolants, refrigerant gasses, 12 voltage batteries etc. used widely in the vehicles was also imparted.

Spark Racing Team

Spark racing team is one of the student racing teams of Pillai College of Engineering who focuses on Electric Vehicles. The motto of the team was to go green so it started off with a Solar Vehicle and then moved ahead with an Electric Vehicle. Spark Racing Team was the first EV team in Navi Mumbai.

After Covid restrictions the team started to design a vehicle from scratch. It also started recruiting new members from second to fourth year from AUTO, MECH, EXTC and even ECS Departments.

The recruitment drive was divided into 3 parts. First, there was a quiz about the basics of cars and physics related to it. The second round consisted of a pre- interview test based on the rulebook of Formula Bharat. And finally, if they cleared both these rounds, a face to face interview was held. By this time the design of the vehicle was almost finalized and the team was in need of financial support for making the car. From October to December every member of the team started approaching vendors and finding sponsors for the team.

Second Year members for the team were going to participate in this competition. This was a virtual competition where a concept of the vehicle was to be presented. The final competition was in June 2022 before this the team had to submit several documents. The Institute also provided the team funds for building the car for Formula Imperial 2022. This fund was used to procure a motor controller and various other components for the vehicle.

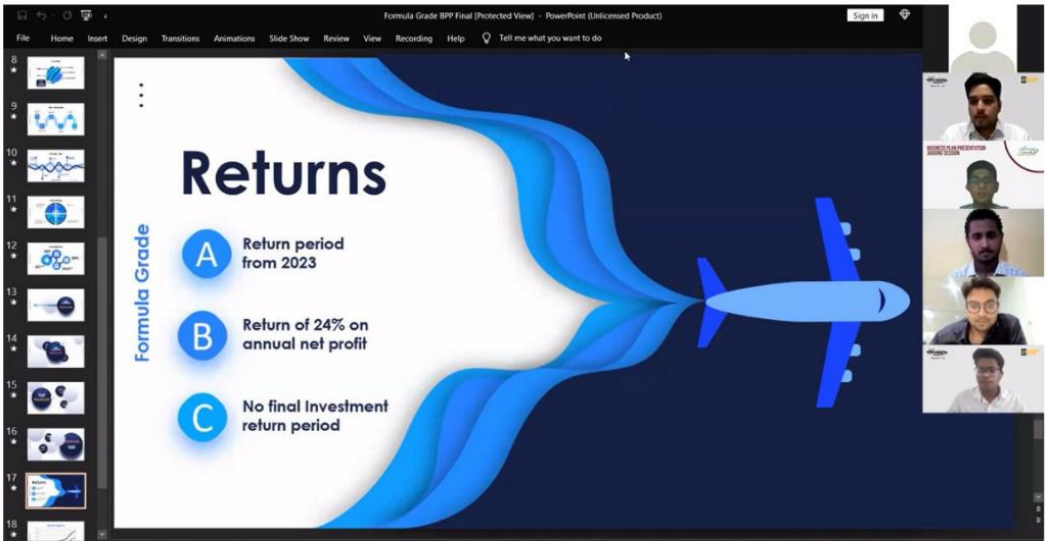
Hyperion Racing Team

The Team of Hyperion Racing for the year 2020-2021 consisted of students from a varying level of academia i.e from Second Year to Final year engineering students thus, providing an equal opportunity for all levels of education and experience to comprise in the efficient designing and manufacturing of the car. The Team was led by Akshat Pandey, along with Vice-Captains Abhilash Nair and Team Manager Abdul Rehman Khan. The Team was efficiently handled by the respective Sub-System leads that were assigned accordingly to their academic and experience level. The team was proficiently guided by Our Technical Advisor - Anil Unnikrishnan Pillai and our Faculty Advisor - Prof. Amey Marathe.
The Team has always been able to design and fabricate a fully functioning Race-Ready Formula Student Car and ready to participate in every event possible in an academic year. The team performed outstandingly at Formula Student Bharat 2020, Ranking at an absolute number of 32nd nationally and also coming forth 19th in the Design Engineering event at FSB 2020.
Due to the pandemic situation that arose during March 2020 Formula Student event went online for the 2021 season wherein the team performed exceptionally well securing an overall national rank of 25th and also excelled the business plan event with the rank of 22nd and 28th in the design event. Continuing with the pandemic the team with the pandemic the team participated in
the Formula Bharat 2022 Virtual where it gave an excellent performance and secured 18th rank in Business Plan Event and Engineering Design Event and scored an overall rank of 18th to bring home a good result to motivate us to work even better moving forward.

HRT 05, the Upgraded fifth generation car of the team, is designed as a lap time car. Optimization of performance at cornering was taken into consideration while designing the car. HRT 05 is so far the most compact design that Hyperion racing team has ever come up with. The car houses various special design cues like the compact chassis, clean and efficient electronics harness housing, custom electronic harness, a highly efficient intake manifold, custom free flowing exhaust and much more. The car itself is a pioneer among all the vehicles manufactured by Hyperion Racing team. HRT05 stands at a peak of excellence pointing towards designing fields. The car includes many modifications and upgrades made after the vehicle returned from Formula Bharat 2021, all put together in order to attack Formula Bharat 2022. Simple, noteworthy designs is what sets the HRT 05 apart from most Formula Student vehicles.

HRT 05

EDP Event



BPP Event

TAPAS

SN	Event	Duration / Date	Participants Count
1	Dhyanotsav 2021	22/09/2021 to 24/09/2021	453
2	Healthy Minds	03/12/2021	50
3	Retreat from stress	04/02/2021	30
4	Trophy Distribution for 21 Days challenge 2021 and Heartfelt Campus Youth Ambassador Award 2021	18/02/2022	50
5	21 Days Meditation challenge 2022	1/04/2022 to 21/04/2022	145

Dhyanotsav 2021

Dates: 22nd, 23rd and 24th September 2021

Dhyanotsav was a Meditation event organized by TAPAS-PCE for SE students of Pillai College of Engineering with the help of Heartfulness institute for relaxation, meditation and rejuvenation/cleaning practices. This event was divided into a 3-days session program in which various renowned speakers from Heartfulness conducted the sessions and shared their experiences and wisdoms. Event was organized and volunteered by the members of the student body TAPAS-PCE. The event was conducted on an online platform- Zoom due to Covid-19 restrictions.

Healthy Minds

Dates: 3rd December 2021

Healthy Minds was a Meditation awareness seminar organized by PCE in coordination with TAPAS-PCE for first year students and Coordinated by Dr. Biswajit Panda. The seminar included introduction to relaxation, meditation and rejuvenation/cleaning practices. This seminar was a 2 hour session. Event was conducted by Prof. Madhura Vyawahare, faculty head of student body TAPAS-PCE.The session

was based on the basics of healthy minds and healthy lifestyle. She also included how to overcome stress and why to meditate. The practical session of relaxation and meditation was also conducted. More than 50 participants benefited from the event.

Retreat from Stress

Date: 4th February 2022

Retreat from Stress was a Meditation event organized by TAPAS-PCE for all students, faculty as well as their family members with the help of Heartfulness institute. This event was a one day session program. The event commenced on 4th of February 2022 at 4:00 pm for all. The session was conducted by Prof. Madhura Vyawahare, faculty of Computer Engineering department and also Heartfulness Meditation trainer.More than 30 participants benefited from the event.

Trophy Distribution for 21 Days challenge 2021 and Heartful Campus Youth Ambassador Award 2021

Date: 18th February 2022

21 Days meditation program 2021, Trophy Distribution Ceremony was organized by TAPAS-PCE to felicitate the winners of 21 days meditation challenge which was held from 1 March 2021 till 21st March 2021. The event was conducted in offline mode. The Venue was the 6th floor Mini-Auditorium of Pillai College of Engineering. The event commenced on 18th of February 2022 at 4:00 pm. The event started with a short meditation session that was held by Dr. Nivedita Shreyans followed by Speech of Chief Guests. 28 Winners of 21 Days Meditation Challenge were felicitated by the trophy. Heartful Campus Youth Ambassador Award 2021 awarded to Ms. Resmi Ramakrishnan, Mr. Rahul Warrier, Mr. Shibnarayan Ghosh, Mr. Romax Rajeev, Mr.Omkar Jadhav.

21 Days Meditation Challenge 2022

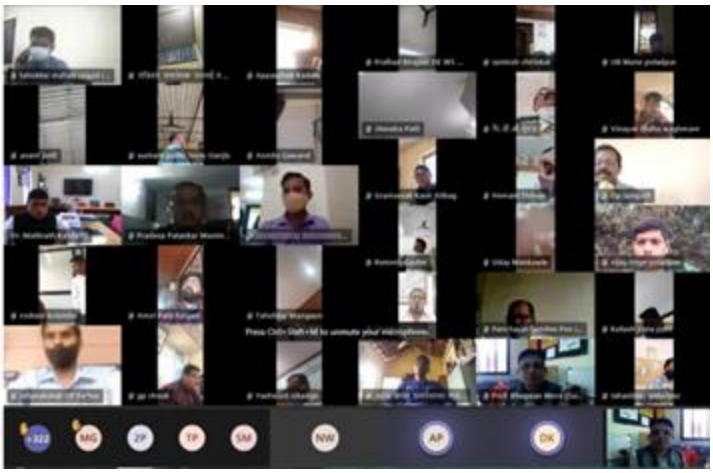
Dates: 2nd April 2022 to 22nd April 2022

“21 Days Challenge” is a very popular program under Heartfulness institute. This program was organized under TAPAS for all PCE students, faculty and staff and their family members. Total 145 registrations were received, 58 participants completed the 3 days of the event and 20 participants successfully completed the 21 Days Challenge. Participants were from various fields: students, faculty and staff of PCE and their family members, Students of other colleges, house wife, school teachers, police officers etc. attended and many of them successfully completed the program. On successful completion e-certificates and trophies were awarded to participants.

NSS

The National Service Scheme is a Central Sector Scheme of Government of India, Ministry of Youth Affairs and Sports. It provides opportunity to the student youth of Technical Institution, Graduate and Post Graduates at College and University level of India to take part in various Government led community service activities and programs. The sole aim of the NSS is to provide hands-on experience to young students in delivering community service. Prof. Bhagwan More, Assistant Professor, Department of Mechanical Engineering and Prof. Archana Ingole, Assistant Professor, Department of Applied Science, Mathematics and Humanities are the NSS program officers from Pillai College of Engineering, New Panvel. The following activities were organized under the NSS scheme in academic year 2021 - 22.

K. M. Vasudevan Pillai Campus on 07/01/2022



Online Lecture on “Say No to Drugs & Yes to Life” organized by NSS cell University of Mumbai on 08/01/2022.

Distribution of grocery items in Girija Welfare Association on Community service day 24/08/2021

Distributed essentials on 11/08/2021 to flood affected 35 tribal families of Village Panchshil Nagar situated on the banks of river Savitree near Mahad

Extra Curricular Activities

Independence Day

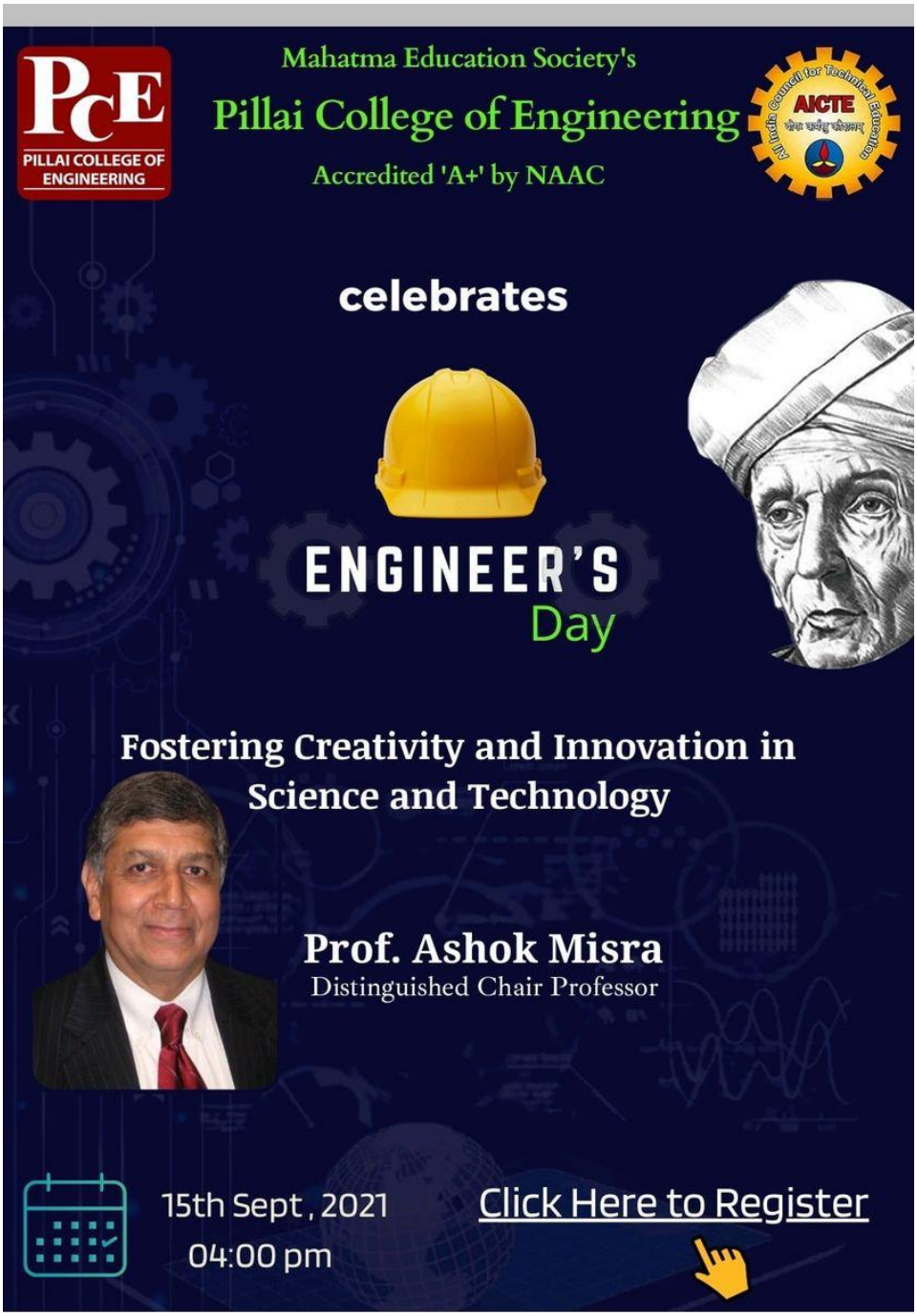
India celebrated its 75th Independence Day on 15 August 2021. It’s a very important date, one to remember and hold in our hearts. Independence Day marks the bravery and courage of freedom fighters of India. Many went through a great deal of suffering to achieve the freedom that the citizens enjoy to this day. All Indians remember those who dedicated their lives to the freedom struggle.

Amid the ongoing coronavirus pandemic, the 75th Independence Day this year is being celebrated with the theme 'Nation First, Always First'. Independence day, a day that reminds people of their ancestors, brave souls that fought for their rights. Independence Day was celebrated by hoisting the National Flag on 15th August. Dr. K. P. Gopal, Registrar Pillai Institute of Management Studies and Research was the chief guest for the occasion. He appealed to everyone to make a promise to take the nation on the path of prosperity and glory.

On this occasion, Pillai College of Engineering's music band, Benchmark, paid their respects on this auspicious day. Their soulful voices and finesse put everyone in awe of their performance.

Teacher's Day

Engineer's Day



On the occasion of Engineer's Day, an interesting and relevant Webinar on "Fostering Creativity and Innovation in Science and Technology" was organized by the Institute. The talk was delivered by Prof. Ashok Misra (NASI - Distinguished Professor, IISc Bangalore, AICTE Distinguished Chair Professor, Ex Director - IIT Bombay and IIT Delhi). This talk was hosted by Pillai College of Engineering under the AICTE-Distinguished Chair Professor Scheme and was the first talk in the institute under the scheme.

Pillai College of Engineering, New Panvel celebrated ANUBHAV on account of Engineers' Day with great joy. We thank all the alumni and faculty members for attending the program and making it successful. The Student Chapters jointly conducted ANUBHAV at PCE on 13th September. ANUBHAV is an interactive event wherein Alumni from various branches were invited to share their experiences and college journeys. The program began with a speech of the principal followed by felicitation of the alumni speakers. Then the speakers shared their experiences followed by a Q&A session. Mr. Gaurav Pandey shared his experience in college and explained more about his YouTube journey and also challenges faced after recruitment. Mr. Shreyas Mahtre shared his journey from a timid child to a successful industry professional. Mr. Yogesh Mishra shared his experience in the spark racing team and also told students all the processes and necessary things to study abroad. Mr. Suraj Kumar shared his experience of being a vice captain in Hyperion racing team and also about his work at Rayo racing and all his amazing experiences in college. After all the alumni students shared their experiences, students from the audience were allowed to ask questions to their seniors and clear their doubts in different fields.

MAHATMA EDUCATION SOCIETY'S
DR. K.M. VASUDEVAN PILLAI CAMPUS
Pillai

MAHATMA EDUCATION SOCIETY'S
DR. K.M. VASUDEVAN PILLAI CAMPUS
Pillai

ANUBHAV
2021
ISHRAE

ANUBHAV

Dussehra

Dussehra Puja is regarded as a meaningful custom that emphasizes the importance of one's profession and its tools and signifies a divine force that helps each and everyone to outperform their duties which in turn helps in the overall growth of the organization. Focusing on growth of the organization and employees, the institute celebrate Dussehra Festival.

Utsav Majhya Rajancha: Shivaji Jayanti

On 18 February 2022, the Pillai Group of Institutions gathered to commemorate the birth anniversary of Chhatrapati Shivaji Maharaj. Shiv-Jayanti celebration is held to honor Chhatrapati Shivaji Maharaj's numerous attributes, including being an efficacious organizer, strategic visionary, great warrior, enlightened administrator, inspiring leader, and an obedient son, among others.This year's ceremony commemorates the legendary Maratha warrior's 392nd birthday. The day was passionately marked with different cultural activities such as Powada, an informative and nostalgic speech along with a traditional dance performance by our students. Throughout the event, all of the COVID protocols were observed. As the day ended with dedicated hearts and an ecstatic time, everyone was filled with pride and respect for the great Maratha Emperor and his inspirational initiatives. The event was well-organized, and it left a lasting impression

Alegria - The Festival of Joy

It is the Pillai Group of Institutions annual intercollegiate festival organized in the Dr. K. M. Vasudevan Pillai Campus. It is organized by the students of all the institutes in the campus, i.e. Pillai College of Engineering, Pillai College of Arts,Commerce and Science, Pillai Institute of Management Studies and Research and Pillai College of Architecture. Alegria 2022 was a 4 Day Festival that took place from 24th March 2022 to 27th March 2022 and the theme this year was “Vintwood: Timeless Treasures”.

Atrium Poster

The Inauguration Ceremony was held on Day 1 of Alegria ie., 24th March 2022, in the Quad and inaugurated by Dr. K.M.Vasudevan Pillai and Dr. Daphne Pillai. The Student's Council and officials from various organizations worked tirelessly to control the crowds, ensuring that the festivities functioned well. The number of entries exceeded 7,500 this year. There were 62 sub categorical events in Alegria 2022, spread across nine categories. The categories were namely, Management, Technical, Performing Arts, Informals, Sports, Gaming, Fine Arts, and Literary Arts. In addition to the categorical events, 23 workshops were held (11 workshops were conducted in Offline mode and 12 workshops in Online mode). Technical events and workshops were held in Alegria for thefirst time in collaboration with Pillai College of Engineering's student bodies like CSI-PCE, ETSA-PCE, IEEE-PCE, AESA MESA, TPC-PCE and ISHRAE.

Pre-Alegria Events

Official Song Launch - Chand Naraz Hai

Alegria was around the corner and celebrations are about to begin. The mesmerizing Janat Zubair and singer Abhi Dutt were present with us for the launch of their new song 'Chand Naraaz Hai' in our beautiful campus. The event took place on 26th of February in the auditorium. The event was also made available live through Alegria's YouTube channel at 3:30. Though it was a fleeting event, it gave an amusing start to our biggest festival Alegria.

Soch Alegria - Nayi Umang

We all have been through a very grueling period for more than two years in this covid times. People were forced to stay indoors and the way of working turned their track to online means. Doctors proved to be the hero in this petrified and awful environment. Only the frontline workers involving the doctors, police, cleanliness workers etc risked their lives by continuing their duties staying outside.

In conducive to acknowledging the deeds of these great people an event Nayi Umang - a part of Soch Alegria was organized by members of the Junior Organizing Committee. PMC Mayor Dr. Kavita Choutmol, Additional Commissioner PMC Mrs. Trupti Sandbhor, and Sanitary Inspector Mr. Shailesh Gaikwad were the eminents invited as chief guests for the event. The event was followed by the

remarkable words by the dignitaries. Also, around 50 PMC workers(sweepers) were felicitated during this event itself. It was indeed a remarkable event. This event motivated us to think and act, at least 1% of what these people have done so far. We should keep on appreciating and boosting such work in whatever way we can.

Banner Unveiling Ceremony

So, Alegrians came with a vibrant comeback after the online fest the previous year. This year Algeria 2022 Banner unveiling ceremony was organized with a fascinating flashmob where talented dancers performed for the excited crowd on 24th March 2022 in Quad, Dr.K.M.Vasudevan Pillai Campus.

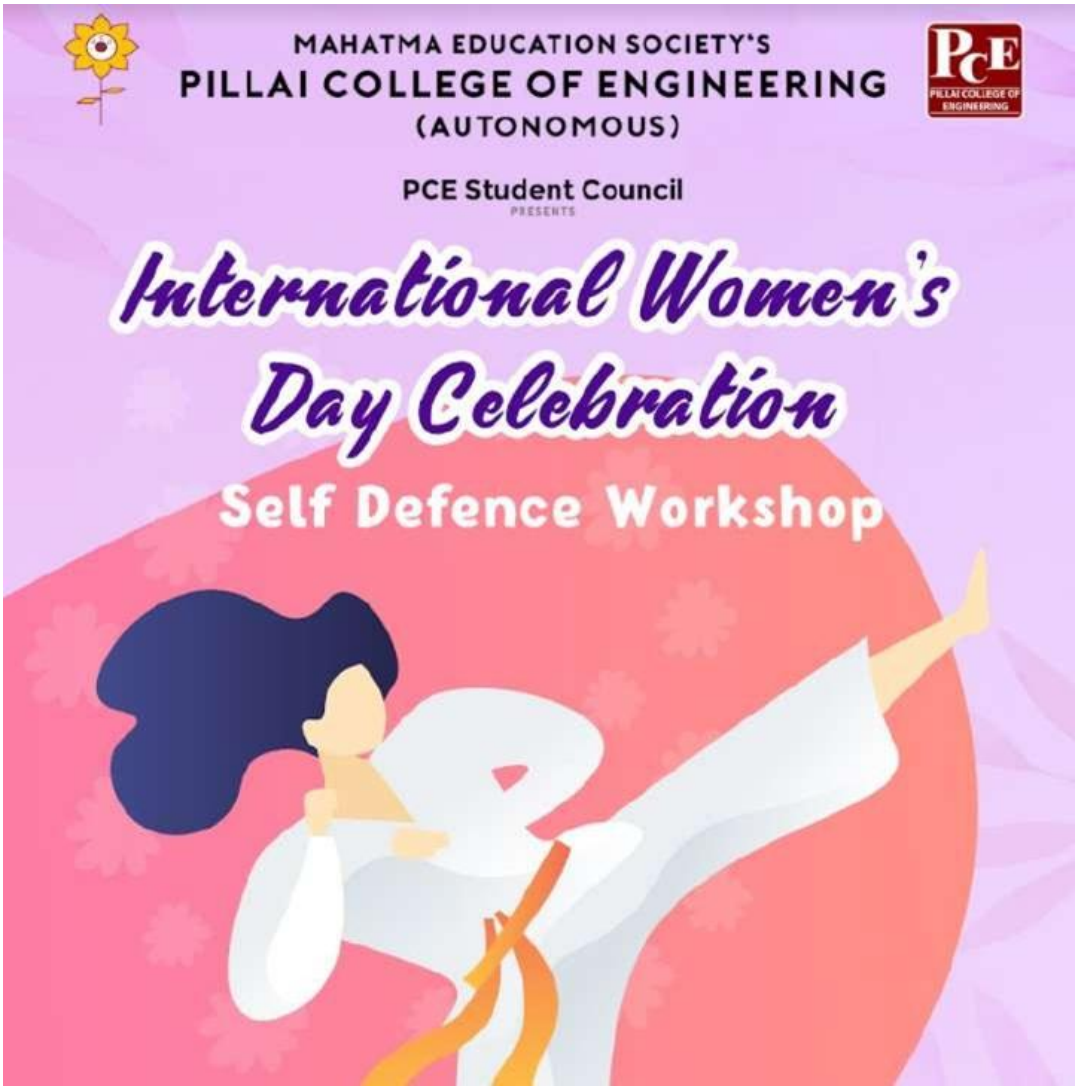
Lamp Lighting Ceremony

The event commenced with lamp lightning along with an authentic classical dance performance followed by the sweet words of Dr. Daphne Pillai. The flashmob took everyone on a tour of the vintage era for a couple of moments. Iconic designs depicting different vintage personalities through fashion shows, reminiscing the spurs of the past when one recalled of the chain having Kapil Dev, Shaktiman, Titanic, Charlie Chaplin, Basanti, Wonder Woman etc being watched by us on TV in our childhood. The epoch would have remained unfinished if the old songs weren't played. Vivid dance performances were held on our favorite songs.

Banner Unveiling Ceremony

The vintage memories were unfolded by changing channels on the TV which was set up on the ground just to have an ambiance and the audience would vibe along. The channel changed and sweet stuff of children playing Gilli Danda and Lagori, stage drama, a boy proposing to a girl, orchestra, film city etc. Additionally, an acrobat act was performed. This flashmob indeed gave a flashback to many of us. Finally, the banner was unveiled after the very act of Gabbar from the Sholay film.

International Women's Day



On 8th March 2022, on the occasion of International Women's Day, PCE Student Council conducted a workshop on self-defense in the Assembly Hall of Pillai College of Engineering under the direction of faculty advisors. Additionally, along with the workshop the official cultural groups of Pillai, Recross and Benchmark, presented cultural performances dedicated to Women.

The celebration started with Lamp Lighting by the Principal, HODs present, Women Cell head and the guest. The Principal Dr.Sandeep Joshi highlighted the significance of the day. He described the plight of women at present through an elaborated speech. A self defense training Workshop was conducted by Ms. Smruti Tondkar, First Year student of our own Pillai college of engineering and her mentor Mr. Shailesh Thakur for the girls of PCE. The training was conducted to boost the self confidence of the girls and to make them able to act in unfavorable situations. The girls were taught simple ways of self defense and they were also spoken to about tackling situations in which they found themselves to be under any kind of harassment. The workshop was indeed enviable which imbibed peculiar thoughts within us.

Lamp Lighting Ceremony

Workshop on Self Defense by Smruti Tondkar, her mentor Mr. Shailesh Thakur and team

Adorning classical dance performance was performed by a group of girls which was quite edifying. The event was further continued by Paree Gadhe and Shwentanshu Dubey. By ornamenting their feelings through poems, they widened everyone's thought process related to women. A spectacular dance performance was presented by none other than our team of dancers - recross which blew everyone's mind with their steps. The event came near to conclusion with some enlightening words by Dr. Manju Pillai - Women Cell Head through her speech. The day finally ended with a vote of thanks showing gratitude to all the women, participants, and those who contributed to the day to make it a successful one.

Performances by Shwetanshu Dubey, Paree Gadhe and members of team Recross

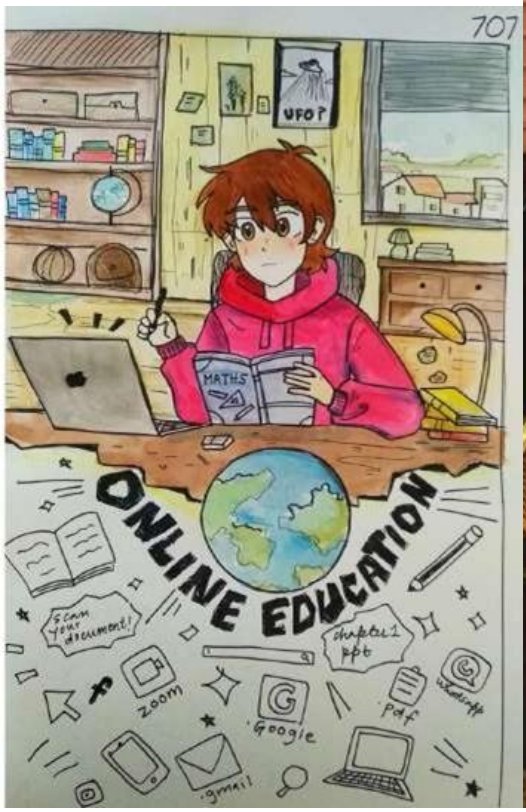
Republic Day

Youth Festival

At the behest of Mumbai University, participants from Pillai College of Engineering participated in the Youth Festival Events consisting of 15 different cultural events, as instructed by Principal Sir and Faculty Advisor. The Zonal round of Youth Festival was conducted between the 11th of January, 2022 and the 22nd of January, 2022. For Zonal round, the list of events and participants who participated in those events are as follows:

Date	Event Name	Participant Name
11/01/2022	On the spot painting	Karkera Rithesh Pravi
11/01/2022	Cartooning	More Priyanka Waman
12/01/2022	Poster Making	Gaykar Nishant Santosh
12/01/2022	Mehendi Designing	Sundara Murthy Amritha
13/01/2022	Elocution	Panesar Anmol Singh
14/01/2022	Story telling	Dubey Shwetanshu Durgesh
15/01/2022	Indian Classical Vocal Solo	Menon Vishnu Krishnakumar
17/01/2022	Indian Classical Instrument Percussion Solo	Chauhan Anurag Anil
18/01/2022	Indian Classical Instrument Non-percussion Solo	Jadhav Sanket Jagdish
19/01/2022	Indian Light Vocal Solo	Viju Adwaith Thalavappil
20/01/2022	Western Instrument Solo	Jagdale Nishita Satyavan
20/01/2022	Mimicry	Dusane Sujal Anil
21/01/2022	Indian Classical dance	Chentamara Chandini
22/01/2022	Western Vocal Solo	Parab Rahul Ajit
22/01/2022	Mono Acting	Gadhe Paree Kishore

Drawing by Rithesh Karkera for On the Spot Painting



Cartoon submitted by Priyanka More for Event Cartooning

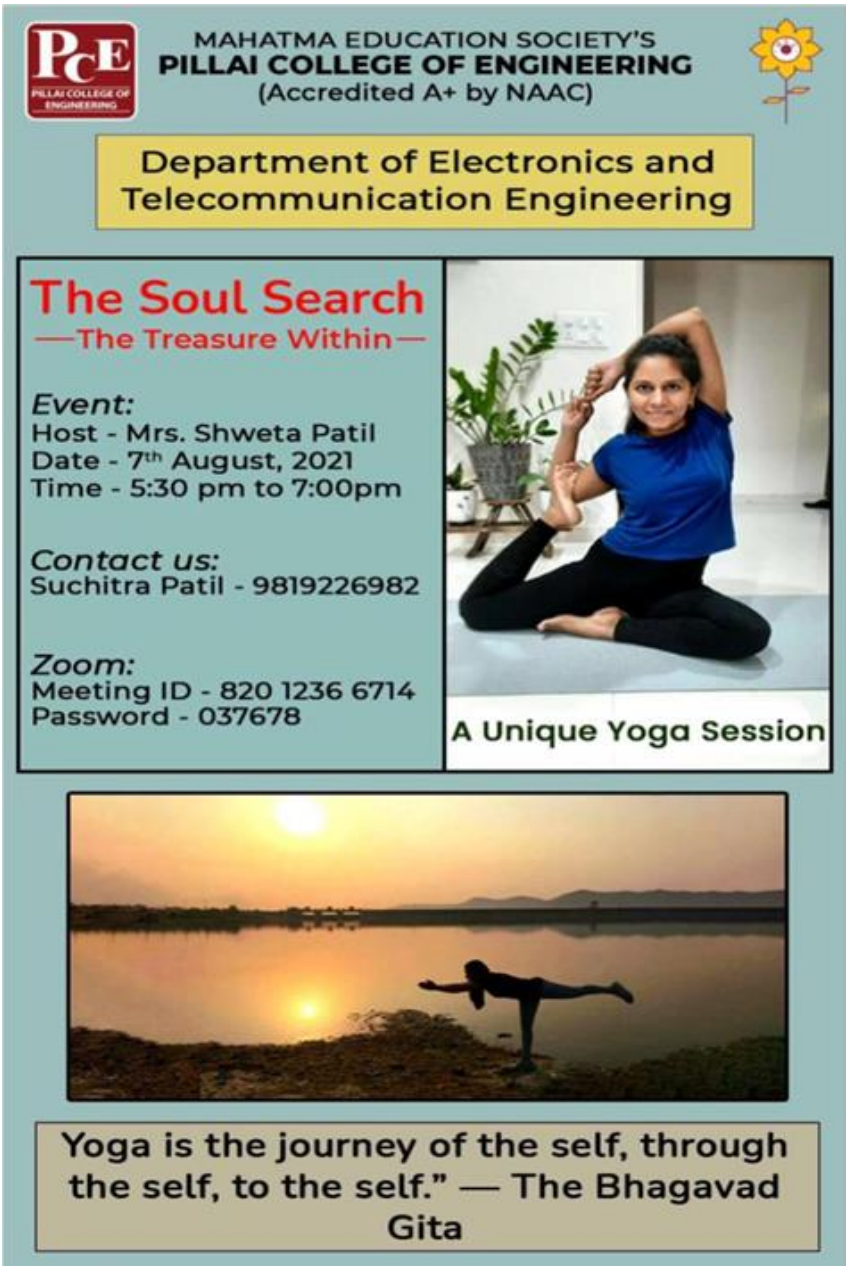
Nishita Jagdale Performing in Final Round

Some participants achieved good positions in the Zonal round and qualified for the Final rounds based on their performance in all the above events. Listed below is the list of participants who qualified for the final and the rank they achieved in the zonal round

Event Name	Participant Name	Zonal Round rank
Indian Classical Vocal Solo	Menon Vishnu Krishnakumar	THIRD
Western Instrument Solo	Jagdale Nishita Satyavan	FIRST
Indian Classical dance	Chentamara Chandini	FIRST
Story telling	Dubey Shwetanshu Durgesh	THIRD
On the spot painting	Karkera Rithesh Pravi	CONSOLATION
Cartooning	More Priyanka Waman	THIRD

Nishita Jagdale, a Second-Year IT student, secured THIRD Rank in the Final Round(State Level). In their first participation in the Mumbai University's Youth Festival, Pillai College of Engineering students participated actively. All the participants did an outstanding job and gave their best to the event.

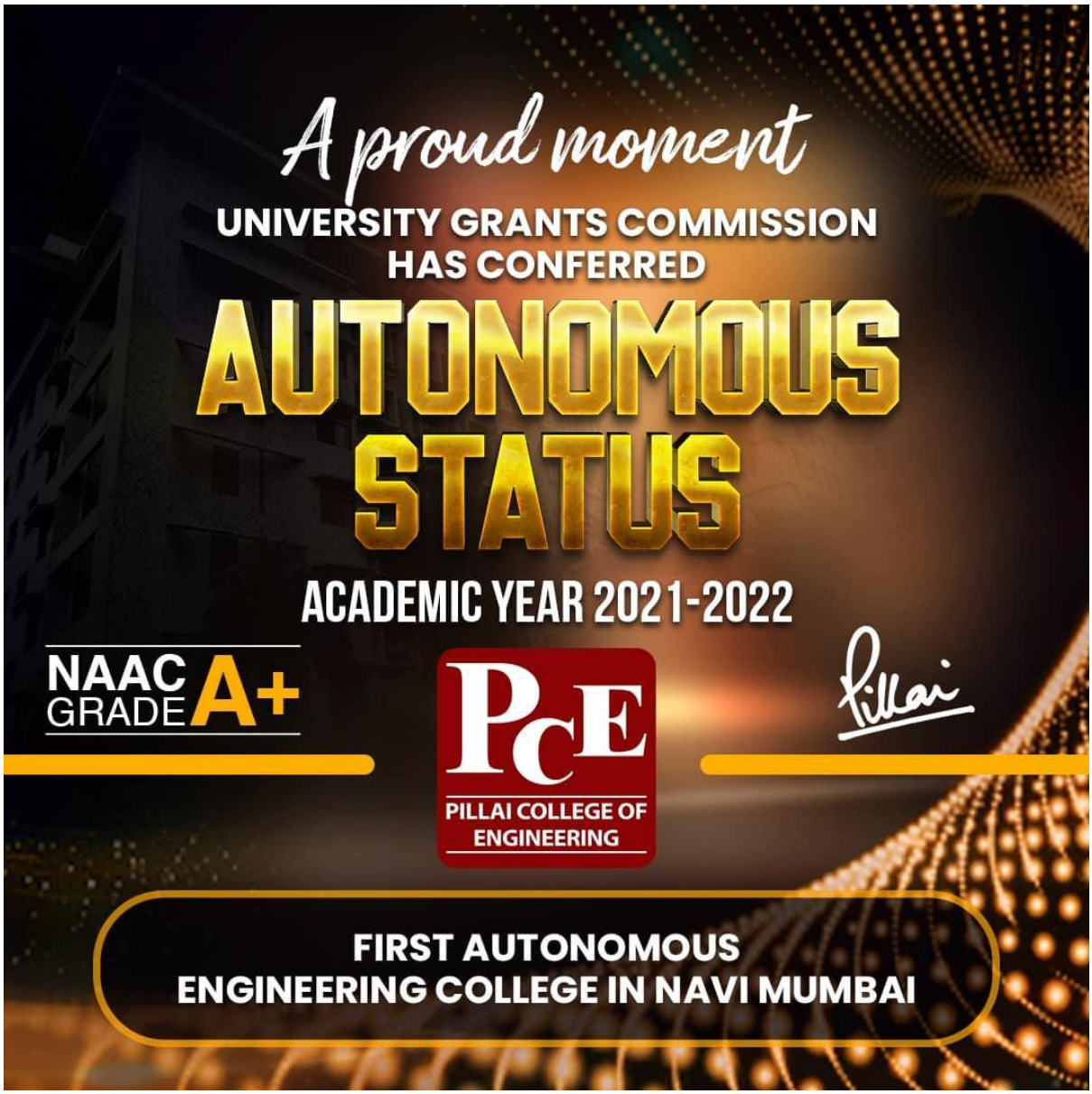
The Soul Search – the treasure within



Department of Electronics and Telecommunication Engineering, Pillai College of Engineering, New Panvel! Organized a Yoga Session for all Teaching and Non-teaching staff on "The Soul Search - The treasure within!" A perfect place to shape your mind, body and soul! The purpose of this session was to make aware of the importance of being fit and healthy. As we all know yoga is a kind of meditation that keeps the mind and body in peace. It will also enhance staff professional skills. It is a journey to a better life with peace, love and happiness. Flow of the session was Basic stretching, Various Yogasanas, Suryamanskar, Pranayam, relaxation and Prayer. Everyone enjoyed the session feeling blessed.

Notable Achievements

Academic Autonomy



Accreditation by NBA

AVISHKAR 21-22

University of Mumbai

DEPARTMENT OF STUDENTS' DEVELOPMENT

15th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2020-21
(Final Round)

Championship

Sr. No.	Championship	Name of the College/Department
1	Overall Championship	Nirmala Niketan College of Home Science, New Marine Lines
2	Overall Runner Championship	Dr. Bhanuben Nanavati College of Pharmacy, Vile Parle
3	Overall Championship in Humanities, Languages and Fine Arts	Nirmala Niketan College of Home Science, New Marine Lines
4	Overall Championship in Commerce, Management and Law	Nirmala Niketan College of Home Science, New Marine Lines
5	Overall Championship in Pure Sciences	Vivekanand Education Societys College of Arts, Science and Commerce, Chembur Vivekanand Education Society College of Pharmacy, Chembur Jai Hind College, Basantsing Institute of Science and J.T. Lalvani College of Commerce, Churchgate Department of Physics
6	Overall Championship in Agriculture and Animal Husbandry	R.K. Talreja College of Arts Science and Commerce, Ulhasnagar
7	Overall Championship in Engineering and Technology	Pillai College of Engineering, New Panvel
8	Overall Championship in Medicine and Pharmacy	Vivekanand Education Society College of Pharmacy, Chembur

Dr. Sunil Patil
I/c Director,
Department of Students' Development,
University of Mumbai

Pillai College of Engineering grabbed **Overall Championship Award** at **AVISHKAR 21-22** in Engineering and Technology category.

Conference on Technologies for Future cities

Conference on "Technologies for Future Cities 2021 (CTFC 2021)" was held at Pillai College of Engineering, New Panvel, Navi Mumbai during October 08-09, 2021. The conference is 2nd in the series; the first one was held in Jan. 2019.

The conference consisted of invited talks and contributed papers covering six tracks, namely, (i)Software technologies for future cities (ii) Hardware technologies for future cities (iii) Systems for future cities (iv) Materials for future cities (v) Healthcare for future cities and (vi) Policies and Governance for future cities. About 150 scientists and engineers attended the conference.

The conference was inaugurated by Dr R.K. Shevgaonkar (Prof. Emeritus, Department of Electrical Engineering, IIT Bombay) and Prof. Pradipta Banerjee (Department of Civil IIT Bombay) delivered the keynote address. Dr Sandeep M. Joshi (Principal, Pillai College of Engineering) welcomed the participants and the dignitaries and gave introductory remarks. The plenary talks were delivered by experts from several different disciplines. The list of speakers includes Dr Sanjay Oak (Kaushlya Hospital Trust, Thane, and Chairman of Task force for COVID-19 in Maharashtra), Prof. S. N. Talbar (SGGSIE&T, Nanded), Dr Saurabh Mehta (Vidyalankar Institute of Technology, Mumbai), Dr Milind Kulkarni (Prachi Services Inc., Mumbai), Veerle Vandeginste (Katholieke Universiteit, Leuven) and Dr Padmaja Joshi (C-DAC, Mumbai). Except for two talks, all talks were held in physical mode. This way, there were a lot of discussions.

The contributed papers were presented both in oral and poster sessions. The other attraction of the conference was the Panel Discussions, where the panelists were largely from the industry. The panelists were G. Udaybhaskar (Reliance Industries), Vijay Kulkarni (Shapoorji Pallonji Infrastructure-Retired), Bhupendra Bhate (Larson & Toubro - Retired), B Ramaswamy (OPJS University), Satyanarayana Bheesette (TIFR) and Anupama Karanam (CIDCO, Maharashtra).

The Institute is very much grateful to the management of Mahatma Education Society, the esteemed members of the International and National Advisory Committees for their advice and guidance. It would like to thank AICTE, MHRD, Government of India for financial support. It would like to thank the Computer Society of India (Mumbai Chapter), National Environment Engineering Research Institute, Nagpur. It would also like to thank all the referees, track coordinators and track chairs of various sessions who helped us in maintaining the high standard of the conference. The conference organization owes its success to the efforts of the organizing committee, and many other individuals, especially the staff of Pillai College of Engineering, and other institutes of Mahatma Education Society. In particular expresses gratitude to Dr P S Goyal, Dr Avinash R. Vaidya, Dr Richa Agrawal and Dr Satish Kumar Varma who were members of the core committee.

ISO Certification

Innovation

- PCE is placed in the Performer **Band** in the private Technical College category in **ARIIA 2021.**
- PCE is one of the **Top Performing institutions in India** to achieve this feat in Second Consecutive Year!
- Selected as a Mentor Institute (One among 50 selected institutes over the nation with Financial Aid) for the Mentor-Mentee Program of IIC, MIC Govt. of India.

MoUs

S.No.	Organization with which MoU is signed	Date of Signing
1	Electronic Sector Skill Council of India	1st October, 2021
2	Heartfulness University	26th February, 2022
3	Cyber Secure India	19th March, 2022
4	EKEEDA Pvt. Ltd	7th April, 2022
5	EXCELR Solutions Pvt. Ltd	19th April, 2022
6	MGM Institute of Health Science, Navi Mumbai	9th May, 2022

PCE has signed the MoU with Electronic Sector Skill Council of India on Collaborating for Skill Development of Engineering Students. Under this MoU, PCE faculty members will be trained for various technical, communication and safety skills required in the industry. These trainers will then train the Engineering Graduates to make them industry ready. The students will get industry recognised Certificate for the courses offered through this MoU. ESSCI will also provide placement assistance through their placement portal. The portal is frequently referred by the industry to hire trained and certified freshers/engineers. Thanks to Shibu Paul Sir, Prof Prateek Mhatre, PHCET and Prin. Amar Mange Sir for connecting the institute with ESSCI.

PCE has signed a MoU with Heartfulness University. The Institute will have meditation and wellness programs for all students and faculty through this MoU. Thanks to Prof Madhura Vyawahare and Prof Shilpa Mondkar, Dr Nivedita Shreyansh for showing the path and bringing this MoU in reality.

PCE has signed MoU with Cyber Secure India. Students will get internships in Cyber Security and Digital Forensics with an intention to foster Industry - Institutions Partnership. Thanks to Prof. Sheetal Gawande, Dr Satish Varma Sir, Dr Sharvari Govilkar and Dr Prashant Lokhande Sir for their efforts.

PCE has signed the MoU with EKEEDA Pvt. Ltd. Under this MoU all our students and faculty members will get Lifetime Free Access to 90,000+ HD videos and Digital notes prepared by EKEEDA on Academic Concepts, their Applications. This will certainly help all and enrich teaching learning practices. Thanks to Shri. Mahesh Wagh Sir of EKEEDA and Dr Lokhande Sir for the relationship with EKEEDA Pvt. Ltd.

PCE has signed the MoU with EXCELR Solutions Pvt Ltd. To facilitate students and faculty with free excess to Everyday learning certificate courses, student development programs, faculty development programs and Internships for students on various emerging software technologies. Thanks to Dr. Monika Bhagwat all the heads and Mr Iftekar Ji.

Pillai College of Engineering has signed an MoU with MGM Institute of Health Sciences, a deemed to be University through the MGM School of Physiotherapy, a research and educational institution to work together in the field of Biomedical Engineering and provide our expertise in various fields for the betterment of society. The MoU was signed in the presence of Dr. Rajani Mullerpatan, Professor-Director, MGM School of Physiotherapy, MGMIHS, NM and her team. Thanks to Dr Richa Agrawal, Prof. M Durga Rao and Dr Goyal Sir for opening the new domain of learning for our students and faculty members. This will certainly add value in PCE's research profile.

Copyrights & Patents Received

SN	Authors	Title of work	Registration No .	Year / Month
1	Dr. Priam Pillai	MapDataLab	Diary No: 30277/2021-CO/SW Filed	December 2021
2	Dr. Priam Pillai	Antislip and Quick Release Grippers to Handle Soft and Delicate Materials	202121052898	November 2021
3	Dr. Satishkumar Varma, Ms. Sheetal Gawande, Mr. Shubham Verma, Mr. Kaustub Giri, Mr. Sourabh Kshirsagar	Datasheet for Web application Vulnerabilities	L-114920/2022	March 2022
4	Ms. Gayatri H, Mr. Rishikesh Jadhav, Mr. Deep Pate, Mr. Swaraj Kale	Sugarcane Plant Disease Dataset	Diary No: 8116/2022-CO/L Filled	April 2022
5	Dr. Sushopti Gawade, Mr. Kirnesh Walunj, Mr. Aditya Tikhe, Mr. Vijay Sangame	Agrow: Ecommerce Solution for Agri Equipments And Fertilizers	Diary No: 8227/2022-CO/SW Filed	Feb 2022
6	Ms. Madhura Vyawahare, Mr. Ninad Patil, Mr. Pranav Patil, Mr. Vinay Jawale, Mr. Nishant Potdar	Ecommerce Site with Augmented Reality Features	L-116882/2022	Jun 2022
7	Mr. Suhas Lawand	IOT Based System For Women And Children Safety	202121057471	December 2021
8	Dr. Sushopti Gawade	Diagnosing Bone Cancer using Machine Learning Technology	202221013665	–
9	Dr. Sushopti Gawade	An efficient system to monitor the cultivation of crop patterns based on soil fertility using Deep Learning techniques	202241015028	March 2022
10	Mr. Mimi Cherian Dr. Satishkumar Varma	SDN Enabled Secure Framework for IoT using Dynamic Counter-Based	202221021778	April 2022

		Approach and Deep Learning Model		
11	Dr. Divya Padmanabhan	Natural fiber reinforced composites for filtration of water	202121054602	November 2021
12	Dr. Sharvari G, Madhura Vyavahare	Scalable Labeled Dataset for Severity Identification of Cyberbullying	L-117381/2022	May 2022
13	Leenata Parab, Dr. Prashant Nitnaware	Dataset for Awareness and Evolution of Cryptocurrency in India	L- 113528/2022	March 2022
14	Dr. Sharvari G, Madhura Vyavahare	Algorithm for Dataset Preparation for Early Detection of Nastiness and Signs of Cyberbullying Content in Online Social Media	L-115161/2022	May 2022

Funding and Research Grants

1. Dr. Richa Agrawal , Associate Professor, Mechanical Engineering Department received a grant of Rs. 2,25,000 under the Mentor- Mentee Program for IIC institutions 2021-22, MIC, AICTE.
2. Dr. Richa Agrawal, Associate Professor, Mechanical Engineering Department received an consultancy project from MGM Dental College, Kamothe for the project “Design and Development of surgical guide plates for dental Fracture”.
3. Dr. Pranshant S. Lokhande, Professor, Information Technology received a PTC Project Consultancy of Rs. 70000 in August 2021.
4. Dr. Pranshant S. Lokhande, Professor, Information Technology received a IOPE PC Consultancy of Rs. 3540 in November 2021.
5. Dr. Pranshant S. Lokhande, Professor, Information Technology received a Patent Consultancy of Rs. 7000 in October 2021.

Faculty Achievements

S No	Name of full time teachers	Details of the achievement in A.Y.21-22
Electronics and Telecommunication Engineering and Electronics and Computer Science Engineering Department		
1	Dr. Avinash R. Vaidya	Jt. Secretary CTFC 2021
		Delivered various Innovation Ambassador Sessions
		Patent on“Beam Steerable Antenna for Wireless Communication Technology”, filed with the Indian Patent Office, Application no: 202121050100, date: 01st November 2021.
2	Ishmeet Singh Riar	Patent on“Beam Steerable Antenna for Wireless Communication Technology”, filed with the Indian Patent Office, Application no: 202121050100, date: 01st November 2021.
3	Dr. Suman Wadkar	Patent on“Beam Steerable Antenna for Wireless Communication Technology”, filed with the Indian Patent Office, Application no: 202121050100, date: 01st November 2021.
4	Dr. Sanjeev Kumar Srivastava	"Best Academician of the Year 2021" during 15th Rashtriya Shikha GauravPuraskar ceremony 2021.
		Patent on "Controlling Remotely Operated Vehicle (ROV) Using Voice commands".filled with the Indian Patent Office,Application N0:202121048711,date:25th October 2021.
		Patent on "Analysis of the performance of DSDV routing protocol in Adhoc wireless networks" filled with the Indian Patent Office,Application N0:202121024060,date:30th May 2021.
5	Dr. R. H. Khade	Patent on, "Additional removable collars to protect fix collar of shirt". filed with the Indian Patent Office, Application no: 202121058522 , date: 15th December 2021.
6	Dr. Tusharika S Banerjee	Reviewer in 2021 for American Journal of Physics (Google scholar- Referee Acknowledgement, 2021)
Computer Engineering and Information Technology Department		
7	Dr. Sushopti Gawade	Received appreciation certificate as mentor for securing 3rd Rank winner with cash prize Rs. 15000, conducted by GOI, IISF 21.
		Worked as Session Chair for the International Conference organized by PVPCOE , Sion.
		Received recognition as Ph.D guide from Mumbai University

		Worked as Reviewer for International Conferences and Journals
8	Ms. Deepti Lawand	recognized as Institute's Innovation Ambassador for Institution's Innovation Council (IIC)
9	Dr. Prashant S Lokhande	trained the newly promoted Police Sub Inspectors batch for Cyber Crime and Cyber Law at Marol Police Training Center, Mumbai
10	Ms. Payel Thakur	worked as a Reviewer for the International Conference on "Machine Intelligence and Data Science Applications (MIDAS-2021)" held on 26th-27th December 2021 at Comilla University, Cumilla, Bangladesh(SPRINGER SPONSORED).
Mechanical and Automobile Engineering Department		
11	Dr. Divya Padmanabhan	Reviewer for Conference
		Track coordinator
		Reviewer for Journal (Materials Today Proceeding)
		Innovation Ambassador Training (Advance Level)
12	Dr. Richa Agrawal	Certified Mimics User
		Joint Secretary for CTFC 2021
		Reviewer for International Conferences
		Innovation Ambassador Training (Advance Level)
13	Dr. Rashed Ali	Reviewer for International Conferences
		Session Chair International Conferences
14	Dr. Gajanan Thokal	Track Coordinator
		Reviewer for International Conferences
		Session Chair International Conferences
15	Mr. Amey Marathe	Certificate of Appreciation for Mentoring SPARK team for Formula Imperial Season 8
16	Prof. Komal A Kadam	Trainer for Programmable Logic Controller (PLC) Programmer and troubleshooter (ELE/IAS/Q5604)-v1.0
17	Prof. George Varghese	
18	Prof. Salim Jafri	Trainer - Innovation Ambassador training (Foundation level)
Applied Science, Mathematics and Humanities Department		
19		

Student Achievements

DEPARTMENT OF STUDENTS' DEVELOPMENT

54 Youth Festival

(Selection Round)

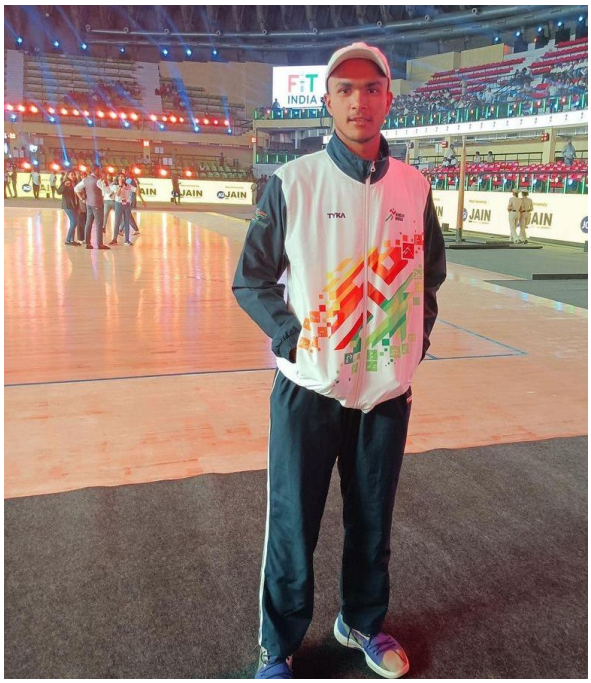
Certificate of Merit

This is to Certify that **Ms. Jagdale Nishita Satyavan** of **Pillai College of Engineering, New Panvel** has partcipated and secured **FIRST RANK** in **Western Instrumental Solo** competition at **54th Inter-Collegiate / Institute / Department Cultural Youth Festival (Selection Round): 2021-22** organized on Virtual Platform by University of Mumbai on **January 20, 2022.**

MR. NILESH SAWE
CULTURAL CO-ORDINATOR
University of Mumbai

DR. SUNIL PATIL
I/c DIRECTOR
Department of Students' Development,
University of Mumbai

Nishita Jagdale from SE IT secured First Rank in Zonal round and Third Rank in the Western Instrumental Solo Competition at 54th Cultural Youth Festival (Final Round) 2021-22 organized on Virtual Platform by University of Mumbai.



Mandar Mhatre from SE Computer engineering represented PCE and 'Mumbai University' and he along with his team has won GOLD MEDALin West Zone Inter - University Basketball Men Championship 2021-22 held at Jiwaji University, Gwalior from 8th March 2022 to 14th March 2022.

The second prize of Rs. 10,000 in the Business Plan Competition 2021-22 organized by the Pillai Centre of Innovation and Entrepreneurship was won by the students of PCE, New Panvel - Mr. Vaishakh Sajeevan, Mr. Siddharth H Shah, and Mr. Sujith S Kurup of Team Creto. The team aims to create a freelancing platform in the digital space.

Ms. Prapti Kinare (SE IT B) of PCE won the Silver Medal in artistic pair event and the Gold Medal in artistic group event at 2nd senior National Yogasana sports championship held at Ahmedabad, Gujarat from 29th March to 1st April 2022.

ISF 2021 is India's one of the biggest Science Festivals. It is an initiative of the Ministry of Science and Technology and Ministry of Earth Science of Government of India. Team from the Department of Computer Engineering was in Top 3 (Cash Prize Rs. 15000 in the entire nation in the National Defence Sub Category. Project Title: "Defence Against the Dark Arts" (an advanced spyware project). Team Members were Siddhant Tambe, Mayur Gopan, Sourabh Pargaonkar, Shreyash CR, Mentor: Dr. Sushopti Gawade.

University of Mumbai
16th Inter-Collegiate/
Institute/Department
AVISHKAR
Research Convention: 2021-22
SELECTION ROUND
(District/Zonal Level Research Proposal Competition)

Certificate of Merit

This is to certify that Rashed Ali of Pillai College of Engineering, New Panvel has guided a research proposal titled Design of mechanism to protect solar modules which was submitted by his student Mr. Menon Hari in Engineering and Technology category and UG level for the Selection Round of 16th Inter-Collegiate / Institute / Department Avishkar Research Convention: 2021-22 for All Engineering Colleges of all Districts zone. The said research proposal is selected for Final Round of 16th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2021-22.

Dr. (Mrs.) Minakshi Gurav
OSD,
Avishkar Research Convention,
University of Mumbai

Dr. Sunil Patil
Director,
Department of Students' Development,
University of Mumbai

Mumbai
April 25, 2022

Mr. Menon Hari Krishnakumar, Mr. Namboodiri Thrayesh, Mr. Chavan Siddhesh and Mr. More Ninad has participated and submitted a research proposal titled Design of mechanism to protect solar modules in Engineering and Technology category and UG level for the Selection Round of 16th Inter-Collegiate / Institute / Department Avishkar Research Convention: 2021-22 for All Engineering Colleges of all Districts zone. The said research proposal is selected for the Final Round of 16th Inter - Collegiate/ Institute/ Department Avishkar Research Convention: 2021-22. Their Mentor was Prof. Rashed Ali.

Team “MECHATRON” was the WINNER (1st Place) in Vision Safety competition at IIT Bombay TECHFEST, 2022 with a cash prize of Rs. 40,000/-. The Project Title was Rider Safety Navigation Management System. Team Members: Adarsh Tayade, Neha Pokharkar, Chetan Tawade. Team Mentor: Dr. Avinash R. Vaidya.

A Team LOST MINDS from COMPUTER and IT Departments of PCE was one among the finalists of National Level -Manthan Hackathon 2021. Manthan Hackathon 2021 is India’s first of its kind virtual hackathon focused on National security and extensive artificial intelligence usage in law enforcement intelligence agencies. The Hackathon was organized by the Ministry of Education’s innovation cell, AICTE along with BPR&D.

Project Title: Identification of terrorist profiles on various social media platforms

Team Members: Om Rajshekhar Surve, Kunal Kishor Wagh, Omkar Deepak Raul, Gargi Manoj Deshpande , Ashna Maurya, Ankita Gupta

Mentor: Prof. Sagar Kulkarni & Prof. Dhiraj Amin

---- End of Report----