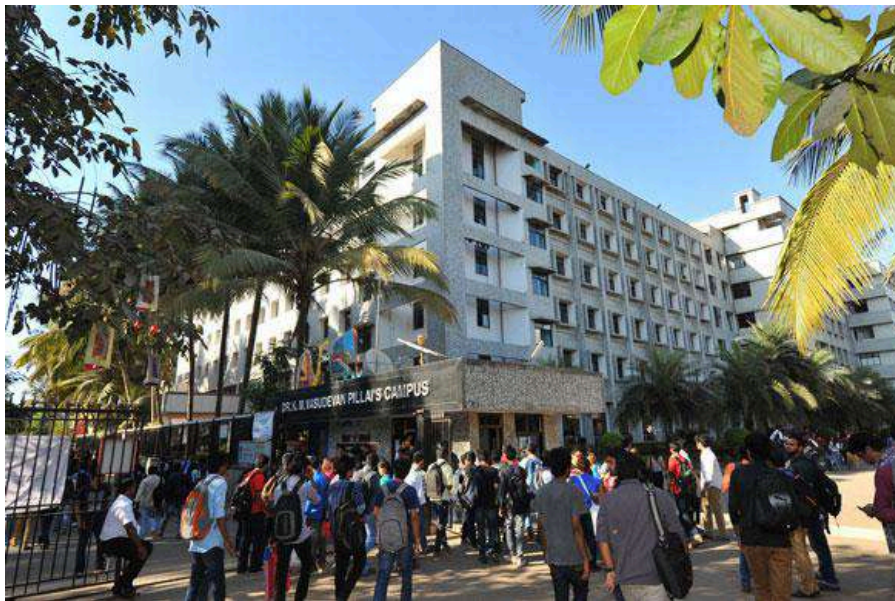


Mahatma Education Society's
Pillai College of Engineering, New Panvel



Annual Report
A.Y 2023-24



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

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1. From Principal's Desk

Dear Readers,

Established in 1999, Pillai College of Engineering (PCE) is the first autonomous institute in Navi Mumbai and also the first to receive NAAC A+ grade accreditation from the National Assessment and Accreditation Council (NAAC) in Navi Mumbai. The institute continues its legacy by offering quality education in engineering and technology. PCE's undergraduate programs in Computer Engineering, Mechanical Engineering, Information Technology, and Electronics Engineering are permanently affiliated with the University of Mumbai. Additionally, the undergraduate programs in Automobile Engineering, Electronics and Telecommunication Engineering, and Information Technology are accredited, while the Computer Engineering and Mechanical Engineering programs have been re-accredited by the prestigious National Board of Accreditation (NBA), New Delhi, valid until June 30, 2025. PCE offers a wide range of programs, including Undergraduate (Bachelor of Technology), Postgraduate (Master of Technology), and Doctoral (Ph.D.) degrees in Science and Technology, solidifying its position as one of India's premier engineering institutions.

Since gaining autonomous status, Pillai College of Engineering (PCE) has focused on offering a curriculum that is both practical and aligned with industry requirements. It is among the first institutions to implement a semester-long internship program, ensuring that graduates are industry-ready and well-equipped for professional challenges. PCE nurtures students with advanced academic capabilities through cutting-edge facilities and a distinguished faculty across various disciplines. The campus features green infrastructure, spacious classrooms, fully equipped laboratories and workshops, state-of-the-art computer labs, and a well-stocked library, fostering a dynamic and engaging learning environment. The college actively collaborates with industries through Memoranda of Understanding (MoUs), driving Industry-Academia Innovative Practices, research initiatives, and placement training. These partnerships support mandatory internships, cultural and sports activities, conferences, workshops, seminars, and startup incubation, providing students with a holistic educational experience and a competitive edge.

This report provides a comprehensive overview of the diverse activities undertaken during the academic year 2023-24. Notably, the institute has implemented the NEP curriculum this year, offering a holistic, technology-integrated educational framework designed to prepare students for future challenges. To enhance the teaching-learning process, the institute conducted internal and external academic audits, engaging experts from industry and reputed academic institutions. In its commitment to fostering a robust academic ecosystem, the institute has developed a five-year perspective plan aimed at ensuring the overall development of students and staff. Research opportunities have expanded significantly, with an increase in the intake capacity of the Ph.D. research center by 20. Additionally, the institute received approval to introduce a B.Tech program tailored for working professionals, further diversifying its academic offerings.

PCE's innovation initiatives provided the institute with the esteemed opportunity to meet the Hon'ble Prime Minister of India, Shri Narendra Modi Ji, at the Akhil Bharatiya Shiksha Samagam 2023 held at Pragati Maidan. Additionally, the institute was selected as one of the five Nodal Centres across India to host the Grand Finale of KAVACH 2023, an event sponsored by AICTE, the Ministry of Home Affairs, the Ministry of Education, and MIC. PCE continued its role as a mentor institution under the flagship IIC Mentor-Mentee Scheme 2023, guiding five new IICs in fostering innovation and entrepreneurship. Further demonstrating its commitment to promoting an innovation-driven culture, IIC-PCE received a grant to organize a two-day IDE Boot Camp for school teachers, showcasing its dedication to societal development through innovation. Under the NAAC Margdarshan Scheme, the IQAC of PCE provided guidance and support to various Higher Education Institutions (HEIs), assisting them in enhancing their accreditation prospects and fostering academic excellence.

The PCE-SWE Chapter proudly stood out as the only affiliate in India to receive the prestigious Program Development Grant, enabling the organization of a six-day "Girls in Robotics" event aimed at promoting STEM education among girls. Additionally, PCE successfully hosted its flagship event “ *Conference on Technologies for Future Cities* ”, the second in the series, featuring insightful and impactful invited talks from experts in the field. This initiative further cemented the institute's commitment to advancing knowledge and innovation in future-oriented technologies.

As in previous years, PCE has signed several MoUs to foster collaborations that enhance academic, research, and innovation opportunities. Faculty members have actively contributed to research and innovation, resulting in the filing of patents and copyrights and securing grants for various research proposals.

PCE students continue to excel across diverse fields, including hackathons, sports, cultural activities, creativity, and innovation. A notable achievement this year was by Ms. Shrushti Gajanan Jagtap, who secured a position as a Software Development Engineer at Flipkart with an impressive annual package of ₹32 lakhs—the highest package recorded this year.

In conclusion, Pillai College of Engineering continues to set benchmarks in academic excellence, research innovation, and holistic student development. With its unwavering commitment to fostering industry-ready professionals and its dedication to advancing knowledge through cutting-edge programs and initiatives, PCE remains at the forefront of engineering education in India.

We extend our gratitude to all stakeholders for their unwavering support and contribution to the institute's success. Together, we look forward to achieving greater milestones and shaping a brighter future for our students and society.

2. Acknowledgement

It gives us great pleasure and immense satisfaction to present the Annual Report of Pillai College of Engineering for the academic year 2023-24. 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 Niranjana, 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. Ameya Marathe, Automobile Engineering, Dr. Sharvari Govilkar, Computer Engineering, Dr. Monika Bhagwat, Electronics and Computer Science Engineering, Dr. Avinash Vaidya, Electronics & Telecommunication Engineering, Dr. Satishkumar Varma, Information Technology, Dr. Divya Padmanabhan, 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, Dr. Shreedevi Kulkarni, Prof. Sonali Kathare, Dr. Suman Wadkar, Prof. Geeta Karmarkar , Dr. Gajanan Thokal, Dr Rashed Ali, Dr. Ravindra Nikam, Dr. Mimi Cherian, Prof. Anup Vanage, Prof. Sheetal Gawande, Dr. Amey Marathe , Prof. Rubina Shaikh, Prof. Suchitra A. Patil, Prof. Jisha Sateesh 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 faculty advisors Dr. Biswajit Panda, Prof. Yogesh Kene, IEEE student members and and faculty advisor Prof. Padmaja Bangde, ETSA student members and and faculty advisor Prof. Tusharika Banerjee, ISHRAE student members and and faculty advisors Prof. Pruthviraj Rahane and Prof. Shahid Shaikh, AESA-MESA student members and and faculty advisor 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 student members and and faculty advisors Prof. Varunakshi Bhojane, Dr. Dhiraj Amin, Dr. Jinesh M, TAPAS student members and and faculty advisor Prof. Shilpa Mondkar, Deep Blue Coordinator Prof. Sheetal Gawande , NSS student members and program officers Prof. Archana Ingole , Prof. Akshay Jadhav, GDSC student members and faculty advisor Prof. Krishnendu Nair .

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

Last but not the least, a deep gratitude towards the dedicated efforts of Dr. Richa Agrawal and Prof. Suchitra A. Patil, Annual Report Coordinators along with their team of Prof. Aboli Khedker, Prof. Savita Sawant, Prof. Jisha Sateesh, Prof. Anjali Nambiar, Dr. Aditi Bhateja and Dr. Ankita Pandit, for their efforts for the compilation of this report.

Dr. Sandeep M. Joshi,
Principal

Dr. Sharvari Govilkar and Dr. Monika Bhagwat,
IQAC Coordinators.

3. 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

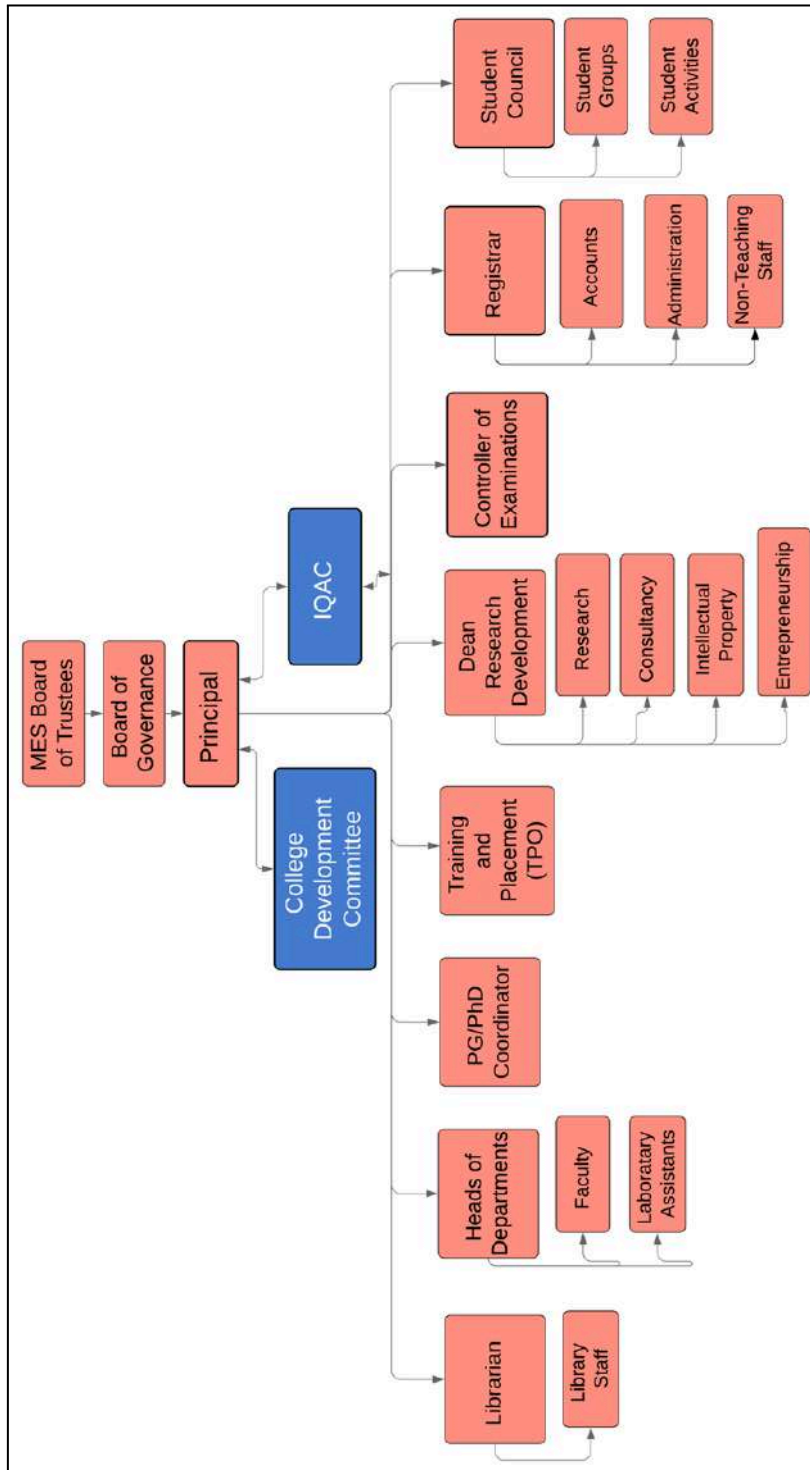


Fig. Pillai College of Engineering Organogram

Board of Governance

Sr. No.	Name of the Member	Status of Committee Member
1	Dr. K.M. Vasudevan Pillai	Chairman
2	Dr. (Mrs) Daphne Pillai	Member
3	Dr. Priam V. Pillai	Member
4	Mr. Franav Pillai	Member
5	Prof. Munawira Kotyad Pillai	Member
6	UGC Nominee Prof. (Dr.) Rabindra Kumar Sahu	Member
7	University Nominee Prof. Sunil Bhirud	Member
8	State Government Nominee Mr. Pramod A. Naik	Member
9	Dr. Bernard M	Member
10	Dr. Sharvari S Govilkar	Member
11	Mr. Pragnesh Shah	Member
12	Dr. Sandeep M Joshi	Member Secretary

Academic Council

Sr. No.	Name of the Member	Status of Committee Member
1	Dr. Sandeep M Joshi	Principal, Chairman
2	Dr. Arun S Pillai	HoD, Applied Science, Mathematics and Humanities
3	Dr. Amey Marathe	HoD, Automobile Engineering
4	Dr. Sharvari S Govilkar	HoD, Computer Engineering
5	Dr. Monika Bhagwat	HoD, Electronics and Computer Science
6	Dr. Avinash R Vaidya	HoD, Electronics and Telecommunicati

		Engineering
7	Dr. Satishkumar L Varma	HoD, Information Technology
8	Dr. Divya Padmanabhan	HoD, Mechanical Engineering
9	Dr. Priam V Pillai	COO, Mahatma Education Society
10	Dr. Prashant Lokhande	Training & Placement Officer, PCE
11	Dr. Prashant Nitnaware	PG Coordinator, PCE
12	Dr. R H Khade	Member
13	University Nominee Dr. Sudhir D Sawarkar	Principal, Datta Meghe COE, Airoli
14	University Nominee Dr. G T Thampi	Principal, Thadomal Shahani Engg College, Bandra
15	University Nominee Dr. Hari Vasudevan	Principal, D J Sanghvi COE, Vile Parle
16	Mr. Hitesh Modi	Director, Jaydee Electronics Pvt. Ltd
17	Mr. Satish Shetty	President, Taloja Industrial Association
18	Mr. Maruti Pawar	MD, Amptronics Techno Pvt. Ltd.
19	Mr. Ravi Chandran Raj	Chairman and Managing Director, Arrows Mining Technologies Pvt. Ltd
20	Prof. Pragnesh Shah	Member Secretary

BoS - Automobile Engineering Department

Sr. No.	Name of the Member	Status of Committee Member
1	Dr. Amey Marathe	Coordinator (Chairman)
2	Dr. Basavraj S Talikoti	Teacher
3	Prof. Ameya Nijasure	Teacher
4	Dr. S. R. Kumbhar	Academic Council Nominee
5	Mr. Sanjay Nibhande	Academic Council Nominee
6	Dr. Prasanna Nambiar	Vice Chancellor Nominee
7	Mr. Narayan Kulkarni	Placement Representative
8	Mr. Tejas Kamath	Alumnus Nominee
9	Dr. K. C. Vora	Industry Expert
10	Dr. Vivek Yakkundi	Subject Expert
11	Dr. Rajshekar Sadargi	Subject Expert
12	Mrs. Vaishali Kumbhar	Other Member of Staff of Same Faculty

BoS - Computer Engineering Department

Sr. No.	Name of the Member	Status of Committee Member
1	Dr. Sharvari S. Govilkar	Coordinator (Chairman)
2	Dr. Prashant P Nitnaware	Teacher
3	Prof. Varunakshi Bhojane	Teacher
4	Prof. Payel Thakur	Teacher
5	Dr. Neeta Deshpande	Academic Council Nominee
6	Dr. Jyoti Malhotra	Academic Council Nominee
7	Dr. Kavita Sonawane	Vice Chancellor's Nominee
8	Miss. Pranita Mahajan	Postgraduate Alumnus Nominee
9	Mr Samir Mahindre	Industry Expert
10	Prof. Deepti Lawand	Other Member of Staff of Same Faculty

BoS - Electronics and Computer Science Department

Sr. No.	Name of the Member	Status of Committee Member
1	Dr. Monika Bhagwat	Coordinator (Chairman)
2	Dr. Rajendrakumar H. Khade	Faculty
3	Prof. Ajit Saraf	Faculty
4	Prof. K.S. Charumathi	Faculty
5	Dr Bhavana Ambudkar	Academic Council Nominee
6	Dr. Seema Shah	Academic Council Nominee
7	Dr. S J Bhosale	Vice Chancellor's Nominee
8	Mr. Sambhaji N. Kadam	Industry Representative relating to placement
9	Mr. Rajat Tyagi	Alumnus Nominee
10	Mr Prashant Kathole	Industry Expert
11	Prof. Ravi Biradar	Other Member of Staff of Same Faculty

BoS - Electronics and Telecommunication Engineering Department

Sr. No.	Name of the Member	Status of Committee Member
1	Dr. Avinash R. Vaidya	Coordinator (Chairman)
2	Prof. Jayashree Bhosale	Teacher
3	Prof. Ruchira Patole	Teacher
4	Prof. Ameet Mehta	Teacher
5	Dr. Tusharika Banerjee	Teacher
6	Prof. Suchitra Patil	Teacher
7	Dr. Saurabh Nagar	Academic Council Nominee
8	Mr. Ketan Kolge	Academic Council Nominee
9	Dr. S. J. Bhosale	Vice Chancellor Nominee
10	Mr. Neil Ravindra Savant	Placement Representative
11	Mr. Somesh Ransubhe	Alumnus Nominee
12	Prof. Harsha Sharma	Other member of Staff of same faculty

BoS - Information Technology Department

Sr. No.	Name of the Member	Status of Committee Member
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1	Dr. Satishkumar L. Varma	Coordinator (Chairman)
2	Dr. Sushopti Gawade	Teacher
3	Dr. Madhu N	Teacher
4	Prof. Sheetal Gawande	Teacher
5	Dr. Sanjay Shitole	Academic Council Nominee
6	Dr. Sunil B. Mane	Academic Council Nominee
7	Dr. Kavita Sonawane	Vice Chancellor's Nominee
8	Mr. Shubhamsatyam Verma	Undergraduate Alumnus Nominee
9	Mr. Ankit Sharma	Postgraduate Alumnus Nominee
10	Mr. Manoj Sarode	Industry Expert
11	Prof. Tejali Mhatre	Other Member of Staff of Same Faculty

BoS - Mechanical Engineering Department

Sr. No	Name of the Member	Status of Committee Member
1	Dr. Divya Padmanabhan	Coordinator (Chairman) and Head of Department (Mechanical)
2	Dr. Amey Marathe	Head of Department (Automobile)
3	Dr. Richa Agrawal	Teacher
4	Dr. Gajanan N Thokal	Teacher
5	Dr. Rashed Ali	Teacher
6	Mr. M Durga Rao	Teacher
7	Mr. Debdatta Acharya	Academic Council Nominee
8	Dr. Prasanna Nambiar	Vice Chancellor Nominee
9	Dr. B Rajiv	Other Institute Faculty
10	Mr. Anand Khandekar	Alumni
11	Mr. Nandkishore Nemade	Industry Expert
12	Mr. Debdatta Acharya	Industry Expert

Quality Assurance

Academic and Administrative Audit (AAA)

Academic and Administrative Audit (AAA), are 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 to 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.

To improve the teaching learning process, internal & external academic audits of all departments were conducted in the months of May and June 2024. The internal audit was conducted by Heads and senior faculty members of other departments. Senior faculty members from outside University were invited to conduct the external audit. An audit form was designed as per NBA and NAAC requirements and the external audit focused on curriculum development and implementation. All external auditors gave positive feedback on the institute's strategy for teaching learning process. The details of the audit conducted are as below.

Sr. No.	Name of Department	Internal Auditor	External Auditor
1	Automobile Engineering	Dr. Monika Bhagwat Date: 08/05/24	Dr Dinesh Thakur, DRDO Date: 26/06/24
2	Computer Engineering	Dr. Richa Agrawal Date: 04/05/24	Dr. Neeta Deshpande, Gokhale Education Society's R.H. Sapat College of Engineering, Nashik Date: 08/06/24
3	Electronics & Computer Science	Dr. Divya Padmanabhan Date: 10/05/24	Dr Vaishali Ingle, College of Engineering, Pune Date: 07/06/24
4	Electronics and Telecommunication Engineering	Dr. Ameya Marathe Date: 01/06/24	Dr. S. B. Deosarkar, Dr. Babasaheb Ambedkar Technological University, Lonere Date: 07/06/24
5	Information Technology	Dr. Ameya Marathe Date: 04/05/24	Dr. Sanjeev J. Wagh, Government Engineering College , Karad Date: 07/06/24
6	Mechanical Engineering	Dr. Avinash Vaidya Date: 09/05/24	Dr. B. Rajiv, College of Engineering, Pune Date: 25/06/24

Perspective Plan 2019-2024

Strategic Goals and Implementation Plan

Goal 1: Improve Teaching Learning

1. More Industry Involvement in curriculum development
2. Regular External Academic Audits
3. More Add-On/Certificate/Skill Development courses to be offered to students
4. Additional content on Institute's E-Learning Portal & 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 river side clean up drive	Organize annual river side clean up drive	Organize annual river side clean up drive	Organize annual river side clean up drive
Decrease energy consumption and increase utilization of renewable energy resources	Switching to low energy consuming gadgets/fixtures	Initiate energy audit and identify the possibilities of reduced energy consumption	Enhance the capacity of existing Solar PV plant	Review effectiveness of the steps taken towards the goal	

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 7 th pay commission	Financial Analysis and Budgetary Provisions	Implement 7 th Pay Commission			
Increase in Student Fees	Apply for Increase in approved student fees	Apply for Increase in approved student fees	Apply for Increase in approved student fees	Apply for Increase in approved student fees	

Goal 10: Automate More Administrative Tasks

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

Implementation Plan

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

IQAC Initiatives

Sr. No.	IQAC Initiative	Description
1	Research Initiatives	The Conference on Technologies for Future Cities (CTFC-2023) was successfully conducted on 6th and 7th October 2023.
		PCE successfully hosted the Grand Finale of KAVACH 2023, a 36-hour non-stop cybersecurity hackathon organized by AICTE in collaboration with the Ministry of Home Affairs, the Ministry of Education, and MIC.
		Ph.D. intake for computer Engg, Mechanical Engg and IT increased from 10 to 20
2	Administrative initiatives	Academic Administrative Audit of all the departments was conducted on 30th June 2024 by Academic audit committee and follow up action was initiated
		All departments of PCE have successfully undergone internal and external academic audits.
		Participated in NIRF-Innovation Rankings 2024 and NIRF Ranking 2024
		Institute is 1. ISO 9001:2015 certified and date of validity is upto 5th Sept 2026 2. ISO 21001:2018 certified and date of validity is upto 5th Sept 2026
		All postgraduate programs and two undergraduate departments, namely Automobile Engineering and Electronics and Telecommunication Engineering, have received permanent affiliation from the University of Mumbai.
3	Academic Initiatives to enhance Teaching Learning	"Bhashini Sprint" Language Hackathon
		Value Added Course on "Data Analysis Using Python on Astronomical Data"
		Value Added Course on "ANSYS"
		Value Added Course on "ALTAIR, INSPIRE, Topology Optimization"
		Value added course on "Topology Optimization"
		Expert talk on Advanced Computer Architecture by Prof. Virendra singh (Department of Electrical Engineering, IIT Bombay)

4	Industry Institute Interaction Initiative	JOB FAIR 2024
		National Level webinar on Optisystem for Optical Communication & Amplifier Design Simulation Techniques" by Mr. Amardeep Singh (Product Manager (SAARC) HR Universal System INC.
		FDP-on Cyber Security and Digital Forensics by Cyber Secured India
		MOU signed with <ol style="list-style-type: none"> 1. Astroborne Space & Defence Technologies, Mumbai 2. Immortex Marketing Pvt. Ltd. 3. Decibels Lab 4. DIYguru Pvt Mobility

4. Academics

Programs Offered

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

Degree	Courses	Year of Establishment	Sanctioned Strength
UG	1. Computer Engineering	1999	180
	2. Information Technology	1999	120
	3. Electronics & Computer Science (Formerly Electronics Engineering)	1999	90
	4. Mechanical Engineering	2002	60
	5. Electronics and Telecommunication Engineering	2007	120
	6. Automobile Engineering	2009	60
PG	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
Ph.D	1. Computer Engineering	2017	10
	2. Mechanical Engineering	2017	20
	3. Information Technology	2019	20
	4. Electronics Engineering	2022	10

Status of Admission

Programme Name	Number of Seats Sanctioned	Number of Students Admitted
Automobile Engineering	60	28
Computer Engineering	180	189
Electronics and Computer Science	90	86
Electronics and Telecommunication Engineering	120	113
Information Technology	120	123
Mechanical Engineering	60	49
Computer Engineering (PG)	12	9
Electronics Engineering (PG)	12	1
Information Technology (PG)	12	5
Mechanical Engineering (PG) – CAD/CAM & Robotics	18	2
Mechanical Engineering (PG) – Thermal Engineering	18	3
Computer Engineering(PhD) (On roll as on 30 June 2024)	20	12
Mechanical Engineering(PhD) (On roll as on 30 June 2024)	20	15
Information Technology (PhD) (On roll as on 30 June 2024)	20	7
Electronics Engineering (PhD) (On roll as on 30 June 2024)	10	5

Results

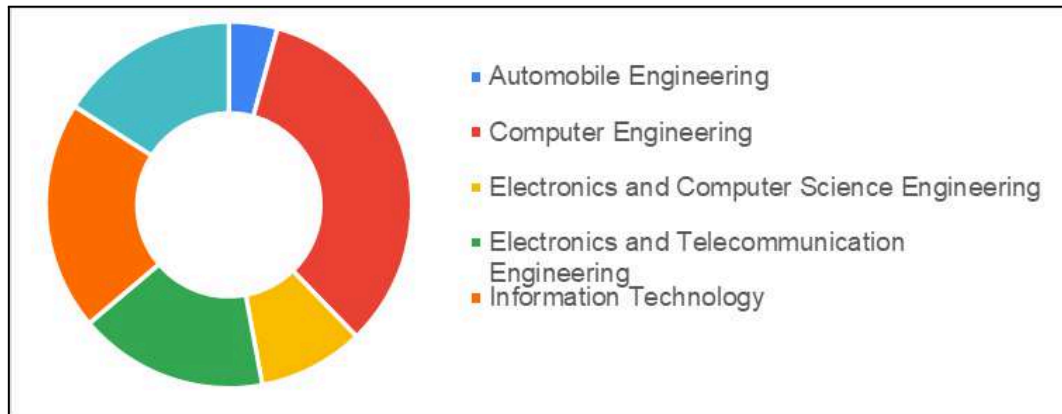
SEM VIII Results - May 2023

SN	Branch	Students Appeared	Students Passed	Pass %
1	Automobile Engineering	57	52	91 %
2	Computer Engineering	205	205	100 %
3	Electronics Engineering	96	89	93 %
4	Electronics and Telecommunication Engineering	105	103	98 %
5	Information Technology	132	131	99%
6	Mechanical Engineering	112	109	97 %

5. Placements

Branch wise list of students placed 2023-24 Batch

SN	Branch	No. of Students Placed
1	Automobile Engineering	11
2	Computer Engineering	86
3	Electronics and Computer Science Engineering	24
4	Electronics and Telecommunication Engineering	43
5	Information Technology	52
6	Mechanical Engineering	41
	Total	257



Sr. No.	Name of Student	Branch	Company Name	Package in Rs. LPA
1	Vardhanika Jagtap	AUTO	Sankey Solutions	4
2	Mihir Gharat	AUTO	Galaxy Auto work	2.4
3	Sagar Amburle	AUTO	Indimtech Pvt Ltd (JCB)/ SUZUKI	1.8
4	Chinmay Bharati	AUTO	Accenture	4.2
5	Shubham Vethekar	AUTO	Bosch	3.5
6	Aditya Ananda Sanas	AUTO	Addonix Technologies Pvt.Ltd	3
7	Sahil Sarvankar	AUTO	Webstream Communication pvt Ltd	3

8	Rutwik Mane	AUTO	Prevalent Automotive,	2.16
9	Rahul kushwaha	AUTO	Landmark Cars	2.4
10	Aditya Singh	AUTO	Shreenath Vehicles Pvt. Ltd.	3.12
11	Ashwattha More	AUTO	IIT Bombay	2.16
12	Shubham Santosh Shewale	COMP	Godrej Infotech	4
13	Akash Nair	COMP	Dolat Capital	6.5
14	Yashraj Sinha	COMP	Sankey Solutions	4
15	Omkar Sase	COMP	Sciative Solutions	6
16	Om Suresh Shinde	COMP	Sciative Solutions	4.5
17	Tejas krishna patil	COMP	Sankey Solutions	4
18	Amar Jadhav	COMP	Delta IOT	4
19	Kasturi Limaye	COMP	Delta IOT	4
20	Ramkrishna Mourya	COMP	Delta IOT	4
21	Tejas Shekhar Patil	COMP	Delta IOT	4
22	Shivsankar Pillai	COMP	Newfold Digital	3.24
23	Abhishek Wafare	COMP	Newgen Software Technologies Ltd	4.25
24	Bote Atharva	COMP	Newgen Software Technologies Ltd	4.25
25	Harsh Kishore Alashi	COMP	Newgen Software Technologies Ltd	4.25
26	Kamlesh Rajesh Yadav	COMP	Newgen Software Technologies Ltd	4.25
27	Prajwal Patil	COMP	TCS/ Rite Technologies	7
28	Yash Ramesh Jage	COMP	CtrlS	5
29	Dhananjay Kisan Jadhav	COMP	CtrlS	5.5
30	Susmit Sunil Walekar	COMP	CtrlS	5.5
31	Shreya Shirish Kulkarni	COMP	CtrlS	5.5
32	Rahul Kage	COMP	CtrlS	5
33	Vishnu Kulathunkal	COMP	Medtronic	2.16
34	Vaibhavi Mahesh Joshi	COMP	Medtronic	2.16
35	Aniket Surve	COMP	Adenza	8
36	Chaitanya Zade	COMP	Adenza	8
37	Arpita Nikam	COMP	Adenza	8
38	Justin Sam	COMP	Qspider	2.4
39	Manasi Mhatre	COMP	Qspider	2.4
40	Shubham Mohite	COMP	Kiya.ai	4

41	Ayush Singh	Comp	Medtronics	2.4
42	Reshma Gopinathan	Comp	Tata Communications Pvt. Ltd	5.25
43	Vishnu Saseendran Nair	Comp	Tata Communications Pvt. Ltd	5.25
44	Ganesh Mohan Pillai	Comp	Tata Communications Pvt. Ltd	5.25
45	Mandar Mahakal	Comp	Kotak securities / ICICI Securities	4
46	Nikita Pallerla	Comp	Sutherland	2.4
47	Mayank Manoj Singh	Comp	Godrej / TCS	7
48	Tanishq Parkar	COMP	de_plan proto	15
49	Sahil Pralhad Nikam	Comp	NIMAP	3
50	Shreyan Pradeep Haldankar	COMP	Impact Analytics	8.75
51	Abhijeet Ankush Vadarge	COMP	Aunoa Solutions Pvt Ltd	1.2
52	Azim Baji Krishna	COMP	Quantastic Marketing Pvt Ltd	6
53	Sanskriti Rajendra Salve	COMP	Capgemini	4.25
54	Abhishek Sahu	COMP	CitiusTech	5.5
55	Levin Viji	COMP	CitiusTech	5.5
56	Prajakta Vanjare	COMP	CitiusTech	5.5
57	Aditya Choudhari	COMP	CitiusTech	5.5
58	Abhay Yadav	COMP	Infojini	4.43
59	Ayush Radheshyam Prajapati	COMP	Bridge Labs	5
60	Aaryan Anil	COMP	Sutherland Global Services, Chennai	3
61	Shreyan Hreyan Haldankar	COMP	Impact Analytics , Bangalore	8.75
62	Vairalkar Anshita Arvind	COMP	Team India managers Ltd, Newberry Group,	3.5
63	Kadam Tejas Sanjay	COMP	Aivanta	1.2
64	Redig Chirag Dashath	COMP	ASAG Androapps, Belapur CBD	2.4
65	Singh Sakshi Brijesh	COMP	Locuz Enterprise Solutions Ltd, Pune	2.4
66	Krishna Azim Baji	COMP	Quantastic Marketing Pvt Ltd	3
67	Chouhan Vaibhav Shweta	COMP	ANM Soft Tech	2.4
68	Nelli Ayush Senthil	COMP	NeoGrowth Credit Pvt	3.2
69	Divya Kurup	COMP	UST	3.9
70	Shreeyesh Mhatre	COMP	NEC	4
71	Aakash Kale	COMP	TCS Ninja	3.36
72	Yusuf Ansari	COMP	Digitamize	7

73	Manish Mate	COMP	TCS Digital	7
74	Nikita Bagwe	COMP	ExcelR	7
75	Vivek Jha	COMP	TCS Digital	7
76	Prajakta Vanjare	COMP	TCS Ninja	3.36
77	Sahil Dabake	COMP	TCS digital	7
78	Vrushali Chaudhari	COMP	TCS Ninja	3.36
79	Aarya Dhapte	COMP	TCS Ninja	3.36
80	Anushka Mhatre	COMP	TCS Ninja	3.36
81	Parth Amble	COMP	TCS	3.36
82	Saras Shirgaonkar	COMP	Suryoday Small Finance Bank Ltd.	5.5
83	Anupam Rai	COMP	NEC	4
84	Gargi M Deshpande	COMP	TCS Ninja	3.36
85	Akash Shinde	COMP	TCS Ninja	4
86	Nikita Sagar Pallerla	COMP	Quess Corp Limited	2.4
87	Sahil Nikam	COMP	Nimap infotech	2.4
88	Amitesh Koderi	COMP	Morning Star	4
89	Nikita Pallerla	COMP	Novel Jewels, Aditya Birla Group	2.4
90	Manali Todankar	COMP	Novel Jewels, Aditya Birla Group	2.4
91	Shobha Kande	COMP	Accenture	4.8
92	Gokul Nair	COMP	WIPRO	7
93	Pradnya Mangesh Patil	COMP	Optum Health and Technology	3.5
94	Mohammed Anas Khan	COMP	TCS Digital	7
95	Adarsh Nair	COMP	ReBit	4.5
96	Sharan Pillai	COMP	Kiya.ai	4
97	Hitesh Meta	COMP	Turnover Global	12
98	Vaibhav Singh	ECS	Dolat Capital	6.5
99	Pranjal Dattatray Barve	ECS	Vodafone	4.5
100	Pratik Pendurkar	ECS	Delta IOT	4
101	Manish Singh	ECS	Newgen Software Technologies Ltd	4.25
102	Anand Menon	ECS	Newgen Software Technologies Ltd	4.25
103	Ashish Patil	ECS	Qspider	2.4
104	Mrunali Navnath Yadav	ECS	Tata Communications Pvt. Ltd	5.25
105	Jyoti Prasad	ECS	Tata Communications Pvt. Ltd	5.25
106	Yash Sumesh Pokhriyal	ECS	Tata Communications Pvt. Ltd	5.25

107	Ibrahim Sultan	ECS	ILM UX Pvt. Ltd.	1.2
108	Sakshi Dolse	ECS	CAT Credentials	4.2
109	Khushi Samir Sharma	ECS	Capgemini	4.25
110	Jagdish Mandolikar	ECS	TechAlpha Group	3
111	Sahil Mohd Shaikh	ECS	Masseech Business Solution	3
112	Srushti Jagtap	ECS	Flipkart	32
113	Rutika vilas badgujar	ECS	TCS NINJA	3.36
114	Kritik Shelar	ECS	Novel Jewels, Aditya Birla Group	2.4
115	Nikhil Prasad	ECS	Novel Jewels, Aditya Birla Group	2.4
116	Suchita Junghare	ECS	Tata Chemicals	5
117	Zaid Khan	ECS	Tata Chemicals	5
118	Shailesh Sanjay Gawade	ECS	TCIA global	4
119	Pranav Patil	ECS	Saintiant technologies pvt ltd	4
120	Mihar Shaikh	ECS	Infytrix Ecom Pvt.Ltd.	4
121	Vedanti Vichare	ECS	Maharashtra Gruhanirman Mahamandal	3
122	Yash Jadhav	EXTC	Tata power	7
123	Sudarson Halder	EXTC	Campus Credentials	7
124	Shivani Shetty	EXTC	Swan Solutions	7
125	Hrishikesh Katkar	EXTC	Commedia solutions	3.5
126	Chetan Harad	EXTC	Qspider	2.4
127	Venkatesh Shetty	EXTC	NILCO	2.5
128	Tejas Desai	EXTC	Qspider	2.4
129	Shreya Naik	EXTC	Qspider	2.4
130	Meeran Momin	EXTC	Qspider	2.4
131	Viraj Narendra Rane	EXTC	Tata Communications Pvt. Ltd	5.25
132	Tejas Desai	EXTC	Swan Solutions	4
133	Ame y muley	EXTC	Commedia solutions	3.6
134	Meeran Momin	EXTC	Qspider	2.4
135	Hrishikesh Sunil Katkar	EXTC	Quick Sell / Commedia	4.5
136	Bhushan Deshmukh	EXTC	Renewsys India Pvt. Ltd.	3
137	Shubham Khedkar	EXTC	Renewsys India Pvt. Ltd.	3
138	Rajashree Thatikonda	EXTC	Ericsson	7.5
139	Mahima Verma	EXTC	Ericsson	7.5

140	Ganesh Waghmode	EXTC	Paras Antidrone	5.7
141	Raj patil	EXTC	Paras Antidrone	5.7
142	Pranav Pillai	EXTC	Anuoa Solutions	2.78
143	Akshitha Pundge	EXTC	Reliance Retail	3.5
144	Divya kankute	EXTC	Reliance Retail	3.5
145	Chirag Soni	EXTC	Reliance Jio	5
146	Pranav Gavas	EXTC	Reliance Jio	5
147	Supriya Katkar	EXTC	Reliance Retail	3.5
148	Pragati Gaikwad	EXTC	Reliance Retail	3.5
149	Mihir Pawar	EXTC	Lapex PCB	3
150	Nikhil Naik	EXTC	Lapex PCB	3
151	Omkar Vadam	EXTC	Advantages Communication	3
152	Mansi punde	EXTC	Maharashtra Cyber	3
153	adhayake dipak santosh	EXTC	Team computers	4
154	Omkar Vadam	EXTC	AdvantageSB communication	2.04
155	Suraj Shahu	EXTC	Sankey Solutions	4
156	Vaibhav Patil	EXTC	Commedia Solutions	3.5
157	Mhatre Vaidehi Vinayak	EXTC	Ashida Electronics	2.3
158	Maurya Shobha Dinesh	EXTC	Madhura Power Technology	5
159	Pranay Savane	EXTC	RFR Infotech	2
160	Bansiwal Pankaj Kumar	EXTC	Instant Mudra Pvt Ltd	2.4
161	Shubham Dada Jadhav	EXTC	PNV Techno Consulting Services	2.9
162	Aditi Vilas Jage	EXTC	PNV Techno Consulting Services	2.9
163	Mandar Gadge	EXTC	Rajguru Electronics	3
164	Prasanna Laxman Pawar	IT	Godrej Infotech	4
165	Sanket Bhagat	IT	Sankey Solutions	4
166	Omkar Jagdale	IT	Sankey Solutions	4
167	Summit .P. Chavan	IT	Sankey Solutions	4
168	Nitish Palanivelu	IT	Sciative Solutions	6
169	Riddhi Suresh Mane	IT	Sciative Solutions	4.5
170	Tanmay Patil	IT	Delta IOT	4
171	Janhavi Sanjay Kakekar	IT	Newgen Software Technologies Ltd	4.25

172	Saurabh Subhedar Sawant	IT	Newgen Software Technologies Ltd	4.25
173	Sahil Sunil Jadhav	IT	Systemics Systems	5
174	Abhijeet Kashid	IT	Allerin	5
175	Siddhesh Malik	IT	Allerin	5
176	Suyash Kishor Sawant	IT	CtrlS	5
177	Ankit Rajesh Jha	IT	Medtronics	2.4
178	Priyanka Chavan	IT	Tata Communications Pvt. Ltd	5.25
179	Shalinkumar Solanki	IT	Tata Communications Pvt. Ltd	5.25
180	Saakshi Santosh Sharma	IT	Arisinfra Solutions Pvt. Ltd.	7.75
181	Akanksha Deogharkar	IT	TCS Digital	7
182	Sahana Santosh Godale	IT	TCS Digital	7
183	Rohit Rana	IT	Grey space Digital	6.6
184	Tanvi Patil	IT	CitiusTech	5.5
185	Raj singh	IT	TCS Digital	7
186	Vedant Phatangare	IT	CitiusTech	5.5
187	Rushikesh Baviskar	IT	CitiUs Tech	5.5
188	Rakshita Vetkar	IT	Label Ishnya	3
189	Ayesha Dafedar	IT	Tristha Global Pvt. Ltd, Mumbai	3.4
190	Sameer Palkar	IT	TCS Digital	7
191	Shubham Salunkhe	IT	TCS Ninja	3.36
192	Shivam Pandey	IT	TCS Digital	7
193	Amit Jitendra Pandey	IT	Square Yards	3
194	Jaya Tripathi	IT	ExcelR	6
195	Sahana Godale	IT	TCS Digital	7
196	Aishwarya Retawade	IT	TCS Ninja	3.36
197	Sourabh Thorat	IT	TCS Ninja	3.36
198	Adwait Gawade	IT	TCS Ninja	3.36
199	Pranav Shashikant Bandal	IT	Acuradyne medical systems	2.6
200	Jitesh Subhash Thange	IT	Godrej Infotech	4
201	Vaishnavi Nanaware	IT	Dassault Systemes Solutions Lab Pvt. Ltd.	6
202	Nischal Krishna Singh	IT	Liquities Solutions	5
203	Sudip Ghevade	IT	Novel Jewels, Aditya Birla Group	2.4
204	Bhuvaneshwar Guttula	IT	Tata Chemicals	5

205	Sahil Sunil Jadhav	IT	General Diagnostics International pvt ltd	4
206	Nishita Jagdale	IT	Sciative	4.5
207	Akanksha Goankar	IT	KPMG (BSR & CO)	5
208	Aiyasha Pinjari	IT	Capgemini	4
209	Rishabh Sharma	IT	ECONSHIP	2.4
210	Shreya Belanekar	IT	YRSK Marketing and Branding Solutions Pvt. Ltd.	3
211	Wagh Kunal Kishor	IT	Fusion cyber	6
212	Shivraj Yelve	IT	Bridgelabz Sol Pvt. Ltd.	4
213	Yash Sakhre	IT	Bigdata technologies Pvt. Ltd.	4
214	Akhil PP Mohandas	IT	AiVanta,	5.5
215	Nafeel Rawoot	IT	Ripple HIER	3.5
216	Sumit Surve	MECH	Econship Tech Pvt. Ltd.	4.9
217	Chirag c mhase	MECH	Tritorc Equipments Pvt. Ltd.	3
218	Vinit Pramod Patil	MECH	Reliance Industries	5.5
219	Indrajith Nair	MECH	Asahi India glass Limited.	4.5
220	Sahil S Utekar	MECH	Utpnn Greentech	4.75
221	Raj yadav	MECH	Utpnn Greentech	4.75
222	Kushal Deepesh Koli	MECH	Mansons International Pvt. Ltd. / Nhava Sheva Freeport Terminal (NSFT)	2.4
223	Vibhav Vijay Chavan	MECH	PNT Robotics and Automation solutions LLP	1.8
224	Harishankar Mishra	MECH	Mansons international pvt ltd / Nhava Sheva Freeport Terminal (NSFT)	2.4
225	Tushare Shikare	MECH	Aeroflex Industries Pvt. Ltd.	2.1
226	Sushant Deshmukh	MECH	Kerone engineering	2.4
227	Lokesh Vaidya	MECH	Valed Infotech	2.76
228	Anmol Kathawale	MECH	Forveiw Engineering	1.8
229	Harshal Dilip Palkar	MECH	Design engineer trainee, Keron engineering	2.16
230	Shreyas Baban Rahate	MECH	Greenpoint global	2.4
231	Sahil Sharad Patil	MECH	Greenpoint global	2.4
232	Vinay Vasant Patil	MECH	Nandan GSE	2.4

233	Vedant patil	MECH	Prat Ratshina Engineering Pvt. Ltd.	2.4
234	Saurav Yadav	MECH	Matharu Sons	4
235	Amey Joshi	MECH	Nhava Sheva Freeport Terminal (NSFT)	3
236	Rahul Hate	MECH	Enmech system and solutions	2.4
237	Bhavesh Suthar	MECH	New Engineering Works, 10,000 pm	2.4
238	Manirul Habib Chaudhari	MECH	Suntara Machines Pvt. Ltd.	4.2
239	Ameya Pavaskar	MECH	Radiant consulting engineers	2.4
240	Chetan Amodkar	MECH	Hexaware Technologies	3
241	Aniket Dhome	MECH	Kushal Associates Energy Management and Sustainability Experts	2.4
242	Rohan Sargar	MECH	TOYO Engineering	5.7
243	Akash S Thange	MECH	Mansons	2.4
244	Pratik Chavan	MECH	VHSPL India Pvt. Ltd.	3
245	Khan Mohammad Zaid	MECH	Greeword Renewable Energy	2.03
246	Chirag chandrakant Mhase	MECH	Tritorc equipment Pvt. Ltd.	3
247	Rahul Rohidas Bhoir	MECH	Balmer Lawrie Co. Ltd	2.16
248	Vinay Vasant Patil	MECH	Balmer Lawrie Co. Ltd	2.16
249	Atharva Nitin Deshmukh	MECH	Bureau of Indian Standards	2.4
250	Akshat Suhas Nalavade	MECH	Kal Energy Ltd.	1.44
251	Sahil Lendave	MECH	CyberNetik	3
252	Prem Khanderao	MECH	Bharat Bijli	3
253	Chaitanya Mhatre	MECH	Rapid MFG Lab- IIT Bombay	1.92
254	Khot Aman Saikumar	MECH	RMH Motor Ocotone Pvt Ltd	2.76
255	Mandal Paras Bholaprasad	MECH	Industrial Research and consultancy centre, IIT Bombay	2
256	Advait Palkar	MECH	Mansion	2.4

6. Faculty

List of Faculty

Automobile Engineering

Sr. No.	Title	Last Name	First Name	Post
1	Dr.	Marathe	Amey	Associate Professor & Head
2	Dr.	Talikoti	Basavaraj	Associate Professor
3	Mr.	Nijasure	Ameya	Assistant Professor
4	Ms.	Karmarkar	Geeta	Assistant Professor
5	Mr.	Jafri	Salim	Assistant Professor
6	Mrs.	Kadam	Komal	Assistant Professor
7	Mr.	Varghese	George	Assistant Professor
8	Mrs.	Chilwal	Komal	Assistant Professor
9	Mrs.	Jeesha	Sateesh	Assistant Professor

Computer Engineering

Sr. No.	Title	Last Name	First Name	Post
1	Dr.	Govilkar	Sharvari	Professor & Head
2	Dr.	Nitnaware	Prashant	Professor
3	Mrs.	Bhojane	Varunakshi	Associate Professor
4	Dr.	Niteshkumar	Agarwal	Associate Professor
5	Mr.	Amin	Dhiraj	Associate Professor
6	Dr.	Cherian	Mimi	Assistant Professor
7	Ms.	Thakur	Payel	Assistant Professor
8	Ms.	Nair	Krishnendu	Assistant Professor
9	Mrs.	Lawand	Deepti	Assistant Professor
10	Mr.	K	Suresh Babu	Assistant Professor
11	Mrs.	K S	Charumathi	Assistant Professor
12	Ms.	Selvan	Sangeetha	Assistant Professor
13	Ms.	Patil	Bhagyashri	Assistant Professor
14	Mrs.	Gawande	Sheetal	Assistant Professor
15	Ms.	Chavan	Shubhangi	Assistant Professor
16	Ms.	Rupali	Sharma	Assistant Professor

17	Ms.	Rasika	Thakare	Assistant Professor
18	Ms.	Sheetal	Shimpikar	Assistant Professor
19	Dr.	Deshmukh	Jyoti	Associate Professor
20	Dr.	Patil	Monali	Assistant Professor
21	Dr.	Dhakole	Dipali	Assistant Professor
22	Mrs.	Sawant	Savita	Assistant Professor
23	Mrs.	Sherkhane	Priyanka	Assistant Professor
24	Mrs.	Bhise	Pooja	Assistant Professor
25	Mrs.	Mohan	Megha	Assistant Professor
26	Mrs.	Kulkarni	Manasi	Assistant Professor
27	Mrs.	Mate	Ashwini	Assistant Professor

Electronics and Telecommunication Engineering

Sr. No.	Title	Last Name	First Name	Post
1	Dr.	Vaidya	Avinash	Professor & Head
2	Dr.	Wadkar	Suman	Associate Professor
3	Dr.	Banerjee	Tusharika	Associate Professor
4	Mrs.	Bhosale	Jayshree	Associate Professor
5	Dr.	Shah	Pragnesh	Associate Professor
6	Mrs.	Kathare	Sonali	Assistant Professor
7	Mrs.	Patil	Suchitra	Assistant Professor
8	Mr.	Mehta	Ameet	Assistant Professor
9	Ms.	Waghmare	Sweta	Assistant Professor
10	Ms.	Sharma	Harsha	Assistant Professor
11	Ms.	Chiramel	Liril	Assistant Professor
12	Mr.	Gourkar	Swapnil	Assistant Professor
13	Mr.	Kene	Yogesh	Assistant Professor
14	Ms.	Patole	Ruchira	Assistant Professor
15	Mr.	Riar	Ishmeet Singh	Assistant Professor
16	Ms.	Khedkar	Aboli	Assistant Professor
17	Ms.	Singh	Manisha	Assistant Professor
18	Ms.	Rani	Priya	Assistant Professor
19	Mr.	Thakur	Shubham	Assistant Professor

Electronics and Computer Science

Sr. No.	Title	Last Name	First Name	Post
1	Dr.	Bhagwat	Monika	Professor & Head
2	Dr.	Goyal	Premasagar	Professor
3	Dr.	Khade	Rajendrakumar	Professor
4	Dr.	Srivastava	Sanjeev kumar	Associate Professor
5	Dr.	Biradar	Ravi	Associate Professor
6	Dr.	S	Karpagavalli	Assistant Professor
7	Mr.	Harode	Ujwal	Associate Professor
8	Mrs.	Bangde	Padmaja	Assistant Professor
9	Mr.	Saraf	Ajit	Assistant Professor
10	Mrs.	Chikodi	Sneha	Assistant Professor
11	Mrs.	Mishra	Seema	Assistant Professor
12	Mrs.	Patil	Swati	Assistant Professor
13	Ms.	Shaikh	Rubina	Assistant Professor
14	Ms.	Pillai	Uma	Assistant Professor
15	Mr.	Jadhav	Akshay	Assistant Professor
16	Mr	Vange	Anup	Assistant Professor

Information Technology

Sr. No.	Title	Last Name	First Name	Post
1	Dr.	Varma	Satishkumar	Professor & Head
2	Dr.	Lokhande	Prashant	Professor
3	Dr.	Kulkarni	Shreedevi	Associate Professor
4	Ms.	Joshi	Smita	Assistant Professor
5	Mr.	Y.I.	Jinesh Melvin	Assistant Professor
6	Mr.	Ninad	Gaikwad	Assistant Professor
7	Ms.	Alamuri	Vasavi	Assistant Professor
8	Ms.	Kale	Diksha	Assistant Professor
9	Mr.	Uzhuthuval	Christopher	Assistant Professor
10	Ms.	Kulkarni	Prerana	Assistant Professor
11	Ms.	Bahurupi	Vrushali	Assistant Professor
12	Ms.	Parab	Leenata	Assistant Professor
13	Ms.	Simon	Florence	Assistant Professor

14	Ms.	Waghmare	Supriya	Assistant Professor
15	Mr.	Sharma	Rohit	Assistant Professor
16	Ms.	Agarwal	Arpita	Assistant Professor
17	Dr.	Bhateja	Aditi	Assistant Professor
18	Ms.	Fulzele	Radhika	Assistant Professor
19	Ms.	Ekhande	Deepa	Assistant Professor
20	Ms.	Nair	Anjali	Assistant Professor

Mechanical Engineering

Sr No.	Title	Last Name	First Name	Post
1	Dr.	Joshi	Sandeep	Professor
2	Dr.	Pillai	Priam	Professor
3	Dr.	Padmanabhan	Divya	Professor & HoD
4	Dr.	Agrawal	Richa	Associate Professor
5	Dr.	Ali	Rashed	Associate Professor
6	Dr.	Thokal	Gajanan	Associate Professor
7	Mr.	Miriyala	Durga N.K.P. Rao	Associate Professor
8	Mr.	Rahane	Pruthviraj	Assistant Professor
9	Mr.	Babu	Binsu	Assistant Professor
10	Mr.	Kelkar	Jagdish	Assistant Professor
11	Ms.	Kumbhar	Vaishali	Assistant Professor
12	Mr.	M	Shiva Pradeep	Assistant Professor
13	Mr.	Mehta	Lalit.	Assistant Professor
14	Ms.	Mondkar	Shilpa	Assistant Professor
15	Mr.	More	Bhagvan	Assistant Professor
16	Mr.	Shaikh	Mohammed Shahid	Assistant Professor
17	Ms.	Vedpathak	Meeta	Assistant Professor
18	Mr.	Verma	Tikaram	Assistant Professor
19	Mr.	Verma	Manikant	Assistant Professor
20	Mr.	Suryavanshi	Vinayak	Assistant Professor
21	Ms.	Nikale	Surabhi	Assistant Professor
22	Ms.	Dhundre	Namita	Assistant Professor
23	Dr.	Panda	Debashish	Assistant Professor
24	Mr.	More	Nitin	Assistant Professor
25	Ms.	Thakur	Pranita	Assistant Professor

Applied Science, Mathematics and Humanities

Sr. No.	Title	Last Name	First Name	Post
1	Dr.	Pillai	Arun	Professor & HoD
2	Dr.	Pillai	Manju	Associate Professor
3	Dr.	Wani	Sachin	Associate Professor
4	Dr.	Murarka	Anshu	Associate Professor
5	Dr.	Sharma	Malvika	Associate Professor
6	Dr.	Khandkar	Mahendra	Associate Professor
7	Dr.	Panda	Biswajit	Associate Professor
8	Dr.	Deulkar	Sundeep	Associate Professor
9	Dr.	Nikam	Ravindra	Assistant Professor
10	Dr.	Singh	Surabhi	Assistant Professor
11	Ms.	Ingole	Archana	Assistant Professor
12	Ms.	Pachkawade	Darshana	Assistant Professor
13	Dr.	Shrivastava	Deepali	Assistant Professor
14	Dr.	Chaudhari	Kamini	Assistant Professor
15	Dr.	Potdar	Leena	Assistant Professor
16	Mr.	Kudre	Maheshkumar	Assistant Professor
17	Ms.	Pradhan	Lilly	Assistant Professor
18	Ms.	P	Neethu	Assistant Professor
19	Mr.	Mhatre	Sangit	Assistant Professor
20	Ms.	Nikam	Sonali	Assistant Professor
21	Ms.	Phadke	Sonali	Assistant Professor
22	Mr.	Kolhe	Akshay	Assistant Professor
23	Mr.	Deshmukh	Vishal	Assistant Professor
24	Ms.	Bingi	Savita	Assistant Professor
25	Ms.	Nambiar	Anjali	Assistant Professor
26	Dr.	De	Moutusi	Assistant Professor
27	Mr.	Balasubramani	M. S.	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	March' 1979
2	Dr. Malvika Sharma	Applied Science, Mathematics and Humanities	Jan' 2000
3	Dr. Manju Pillai	Applied Science, Mathematics and Humanities	Oct' 2001
4	Dr. Mahendra Khandkar	Applied Science, Mathematics and Humanities	Sep' 2002
5	Dr. Sundeep Deulakr	Applied Science, Mathematics and Humanities	March' 2006
6	Dr. Arun Pillai	Applied Science, Mathematics and Humanities	Aug' 2008
7	Dr. Anshu Murarka	Applied Science, Mathematics and Humanities	Nov' 2010
8	Dr. Surabhi Singh	Applied Science, Mathematics and Humanities	April' 2010
9	Dr. Deepali Shrivastava	Applied Science, Mathematics and Humanities	Sep' 2010
10	Dr. Biswajit Panda	Applied Science, Mathematics and Humanities	Aug' 2011
11	Dr. Priam Pillai	Mechanical Engineering	June' 2011
12	Dr. Satishkumar Varma	Information Technology	March' 2013
13	Dr. Sachin Wani	Applied Science, Mathematics and Humanities	Jan' 2014
14	Dr. Avinash Vaidya	Electronics and Telecommunication Engineering	Feb' 2015
15	Dr. Sharvari Govilkar	Computer Engineering	Feb' 2017
16	Dr. Sandeep Joshi	Mechanical Engineering	May' 2017
17	Dr. Divya Padmanabhan	Automobile Engineering	June' 2017
18	Dr. Basavaraj Talikoti	Mechanical Engineering	Aug' 2017
19	Dr. Rajendrakumar H Khade	Electronics and Computer Science	May' 2018
20	Dr. Prashant Lokhande	Computer Engineering	Feb' 2018
21	Dr. Sanjeev Kumar Srivastava	Electronics and Computer Science	July' 2018
22	Dr. Richa S Agrawal	Mechanical Engineering	Sep' 2018
23	Dr. Prashant Nitnaware	Computer Engineering	April' 2019
24	Dr. Rashed Ali	Mechanical Engineering	June' 2019
25	Dr. Shreedevi Kulkarni	Information Technology	June' 2019
26	Dr. Jyoti Deshmukh	Computer Engineering	Oct' 2019
27	Dr. Gajanan N Thokal	Mechanical Engineering	July' 2020
28	Dr. Monika Bhagwat	Electronics and Computer Science	July' 2020
29	Dr. Suman P Wadkar	Electronics and Computer Science	April' 2021

30	Dr. Leena Potdar	Applied Science, Mathematics and Humanities	Sep' 2021
31	Dr. Niteshkumar Agarwal	Computer Engineering	Sep' 2021
32	Dr. Tusharika Banerjee	Electronics and Computer Science	Dec' 2021
33	Dr. Ravi Biradar	Electronics and Computer Science	Feb' 2022
34	Dr. Kamini Chaudhary	Applied Science, Mathematics and Humanities	Sep' 2022
35	Dr. Ravindra Nikam	Applied Science, Mathematics and Humanities	Jan' 2023
36	Dr. Amey P Marathe	Automobile Engineering	March' 2023
37	Dr. Pragnesh Shah	Electronics and Telecommunication Engineering	Aug' 2023
38	Dr. Dipali Dhakole	Computer Engineering	Aug' 2023
39	Dr. Debasis Panda	Mechanical Engineering	June' 2023
40	Dr. Mimi Cherian	Computer Engineering	Jan' 2024
41	Dr. Monali Kishor Patil	Computer Engineering	March' 2024
42	Dr. Aditi Bhateja	Information Technology	July' 2024
43	Dr. Dhiraj Amin	Computer Engineering	July' 2024
44	Dr. Y. I. Jinesh Melvin	Information Technology	Aug' 2024
45	Dr. Moutusi De	Applied Science, Mathematics and Humanities	Aug' 2020
46	Dr. Karpagavalli S	Electronics & Computer Science Engineering	Feb' 2023
47	Archana Ingole	Applied Science, Mathematics and Humanities	Pursuing
48	Maheshkumar Kudre	Applied Science, Mathematics and Humanities	
49	Lily Pradhan	Applied Science, Mathematics and Humanities	
50	Neethu P	Applied Science, Mathematics and Humanities	
51	Geeta Karmarkar	Automobile Engineering	
52	Salim Jafri	Automobile Engineering	
53	George Vergese	Automobile Engineering	
54	Komal Kadam	Automobile Engineering	
55	Varunakshi Bhojane	Computer Engineering	
56	Savita Sawant	Computer Engineering	
57	Rupali Sharma	Computer Engineering	
58	Ujwal Harode	Electronics and Computer Science	
59	Ameet Mehta	Electronics and Computer Science	
60	Yogesh V Kene	Electronics and Computer Science	
61	Seema Mishra	Electronics and Computer Science	
62	Suchitra Patil	Electronics and Telecommunication Engineering	
63	Swapnil Gourkar	Electronics and Telecommunication Engineering	

64	Ruchira Patole	Electronics and Telecommunication Engineering	
65	Aboli Khedkar	Electronics and Telecommunication Engineering	
66	Ameya Nijasure	Mechanical Engineering	
67	Binsu Babu	Mechanical Engineering	
68	Pruthviraj P Rahane	Mechanical Engineering	
69	Meeta Vedpathak	Mechanical Engineering	
70	Vaishali Kumbhar	Mechanical Engineering	
71	Tikaram Verma	Mechanical Engineering	
72	Vinayak Suryawanshi	Mechanical Engineering	

Research Publications by Faculty

Sr. No.	Department	No of Publications
1	Automobile Engineering	Nil
2	Mechanical Engineering	16

Department of Mechanical Engineering

Sr. No.	Title of paper/Book	Name of the Author/s	Name of Journal/Conference/Publisher
1	Biaxial tensile tests to study mechanical behaviour of thin soft materials	Dr. Priam Pillai	Materials Today: Proceedings
2	Identifying and segregating items by using image analysis and dobot robot	Dr. Priam Pillai	Stochastic Modelling and Computational Sciences
3	Design and control of lorentz force micro actuator	Dr. Priam Pillai	International Journal of Applied Engineering & Technology
4	Development of solar dryer	Dr. Sandeep M. Joshi	International Journal of Applied Engineering & Technology
5	Improvement of Water Flux with Date Palm Reinforcement in Composite Membranes	Dr. Divya Padmanabhan	International Journal of Applied Engineering & Technology
6	Development of Single Axis Solar (PV) Tracker and Its Thermal Analysis	Dr. Divya Padmanabhan	International Journal of Applied Engineering & Technology
7	A Study on Microstructural and Mechanical Properties of IN718 Processed Through Laser Direct Energy Deposition and Conventional Casting	Dr. Divya Padmanabhan	International Journal of Applied Engineering & Technology
8	A Comprehensive Review Summerising the Reinforcement of UHMWPEComposite Scaffolds as An Artificial Implant	Dr. Divya Padmanabhan	Materials Today Proceedings

	Biomaterials		
9	Improving water Flux Using Agave Reinforcement in polymeric membranes	Dr. Divya Padmanabhan	Nanoword Journal
10	A Comprehensive Review Summerising the Reinforcement of UHMWPEComposite Scaffolds as An Artificial Implant Biomaterials	Dr. Richa Agrawal	Materials Today Proceedings
11	Development of solar dryer	Meeta S. Vedpathak	International Journal of Applied Engineering & Technology
12	Development of Single Axis Solar (PV) Tracker and Its Thermal Analysis	Pruthviraj Rahane	International Journal of Applied Engineering & Technology
13	Finite Element Analysis of Femur Bone under Transient Loading Conditions	Dr. Richa Agrawal	International Journal of Applied Engineering & Technology, Vol. 5 No.4,
14	Evaluation of stability of fixation using conventional miniplate osteosynthesis in comminuted and non-comminuted Le Fort I, II, III fractures – A dynamic finite element analysis	Dr. Richa Agrawal	The Scientific Temper, 15(01),
15	“Industry effluent water monitoring system”	Dr. Gajanan Thokal	Industrial Engineering Journal, Vol. XVI & Issue No. 09 September - 2023.
16	“Sustainable Biocompatible Materials for 3DPrinted Fracture Casts: A Comparative Study of Mechanical Properties and Environmental Impact”	Dr. Gajanan Thokal	Science & Technology Asia, Volume 28 No.4

Sr. No.	Department	No of Publications
1	Computer Engineering	37
2	Information Technology	23

Department of Computer Engineering

Sr. No.	Title of paper/Book	Name of the Author/s	Name of Journal/Conference/Publisher
1.	Leveraging Big Data Analytics And Conversational Ai For Agriculture	Dr. Sharvari Govilkar	Advances in Technologies, Methodologies, and Applications, 2024.
2.	Text Similarity from Image Contents using Statistical and Semantic Analysis Techniques, in proc.	Dr. Sharvari Govilkar	4th International Conference on NLP Trends & Technologies (NLPTT)
3.	Empowering Multilingual Abstractive Text Summarization: A Comparative Study of Word Embedding Techniques	Dr. Sharvari Govilkar	ICEAI 2023: International Conference on Evolutionary Artificial Intelligence
4.	A Comprehensive research on Emotion Detection techniques for pure and code mixed Indian Regional languages	Dr. Sharvari Govilkar	Conference on Technologies for Future Cities
5.	Comparative Analysis of Named Entity Recognition in Indian Language Texts: Monolingual and Code-Mixed Languages	Dr. Sharvari Govilkar	Conference on Technologies for Future Cities
6.	Survey on Virtual Recruitment System	Dr. Mimi Cherian	Conference: 2023 5th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), IEEE

7.	Eyetech-Diabetic Retinopathy Detection	Payel Thakur	2nd International Conference on Advances in Technology and Management (ICATM-2024)
8.	Presented A Paper Titled Recipe-Fusion: Multimodal Food Recipe Recommendation System	K S Charumathi	2nd International Conference on Advances in Technology and Management (ICATM-2024)
9.	Overcoming The Challenges In Multi-Class Context-Based Sentiment Analysis	Dr. Monali Patil	3rd International conference on “Emerging Trends and Technologies on Intelligent Systems” (ETTIS -2023),
10.	Node Classification in Website Fingerprinting using Graph Neural Networks	Suresh Babu K.S	2nd International Conference on Advances in Technology and Management (ICATM-2024)
11.	Verinote - Fake Currency Detection Using Cnn	Priyanka Sherkhane	International Conference on Advances in Science, Technology and Management (ICASTM-2024) , April 25-26, 2024
12.	Video captioning system using sequence to sequence model	Dr. Jyoti Deshmukh	7th International Conference on Computing Information Electronics and Electrical Engineering,
13.	Enhancing Answer Ranking In Marathi: A Multi-Faceted Approach Using Lexical-Syntactic, Semantic, And Contextual Similarity	Dr. Sharvari Govilkar	Journal of Data Acquisition and Processing
14.	Leveraging Semantic Analysis For Monolingual Plagiarism Detection.	Dr. Sharvari Govilkar	Journal of Data Acquisition and Processing
15.	Hindi/Marathi-Bart: An Efficient Sequence-To-Sequence Model For Abstractive Text Summarization For Hindi And Marathi Language	Dr. Sharvari Govilkar	Scandinavian Journal of Information Systems

16.	Handling Imbalanced Classes For Model Training In Fake News Detection	Dr. Sharvari Govilkar	International Journal on Recent and Innovation Trends in Computing and Communication
17.	A Comprehensive Research On Emotion Detection Techniques For Pure And Code Mixed Indian Regional Languages, Stochastic Modelling & Computational Sciences	Dr. Sharvari Govilkar	Stochastic Modelling & Computational Sciences
18.	Comparative Analysis Of Named Entity Recognition In Indian Language Texts: Monolingual And Code-Mixed Languages	Dr. Sharvari Govilkar	Stochastic Modelling & Computational Sciences
19.	Exploring Marathi-English Code-Mixing: Comprehensive Analysis Of Nlp Applications (Qa And Ner)	Dr. Sharvari Govilkar	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)
20.	Secure Sdn-Iot Framework For Ddos Attack Detection Using Deep Learning And Counter Based Approach	Dr. Mimi Cherian	Journal of Network and Systems Management Published by Springer Nature, Online
21.	A Review On Recent Driver Safety Systems And Its Emerging Solutions.	Dr. Mimi Cherian	International Journal of Computers and Applications, 46(3), 137–151.
22.	Surveillance Video Analysis Using Event Recognition	Suresh Babu	International Journal of Emerging Technologies and Innovative Research (www.jetir.org UGC and issn Approved)
23.	Helios: The Multimodal Ai	Priyanka Sherkhane	Journal Of Emerging Technologies And Innovative Research (Jetir)
24.	Proposal for an End to End system for workout management	Priyanka Sherkhane	International Journal of Engineering Research and Technology (IJERT)
25.	Automated Grading of Short Answer Scripts	Nair Krishnendu	JETIR, Volume 11 Issue 2

26.	Mental Health Detection based on social media activities	Nair Krishnendu	JETIR, Volume 11 Issue 2
27.	Survey On Detection Methods For Deepfake Videos	Rupali Sharma	Journal of Emerging Technology and Innovative Research(JETIR)
28.	Flex-Fit Gym Tracker and Diet Recommendation System	Dhiraj Amin	International Research Journal of Engineering and Technology (IRJET), Volume: 11 Issue
29.	Pillai InfoDesk	Savita Sawant	Journal of Emerging Technologies and Innovative Research, Volume 11, Issue 4
30	Resume Analyzer Using Transformers	Savita Sawant	Journal of Emerging Technologies and Innovative Research, Volume 11, Issue 4, April 2024
31.	Survey On Advanced Healthcare System using Hybrid Machine Learning Algorithms	Sangeetha Selvan	Journal of Systems Engineering and Electronics (ISSN NO: 1671-1793) DOI:20.14118.jsee.2024.V34I4.1555
32.	A Survey On Blockchain Identity Authentication System	Sangeetha Selvan	SIRJANA JOURNAL, UGC care 1
33.	Creating 3D Models Using 2D Views Of Objects	Pooja Bhise	TIJER , Volume 11, Issue 4
34.	Travelease: A Comprehensive Android Tourist Companion	Pooja Bhise	International Journal of Recent Advances in Multidisciplinary Topics
35.	Drive Safe Alert System	Pooja Bhise	International Journal of Novel Research and Development
36.	Optical Character Recognition Using Deep Learning	Pooja Bhise	Sirjana Journal, Ugc Care 1
37.	Smart Healthcare: Blockchain-Driven Patient Risk Classification with Machine Learning	Dr. Jyothi Deshmukh	International Journal of Intelligent Systems and Applications in Engineering, 12(3), 4025–4034.

Department of Information Technology

Sr. No.	Title of paper/Book	Name of the Author/s	Name of Journal/Conference/Publisher
1.	"Cryptocurrency with Blockchain Technology – A Literature Review",	Leenata Parab	2023 Somaiya International Conference on Technology and Information Management (SICTIM)
2.	Detecting Phishing Websites using Hybrid Methodologies	Diksha Kale	2nd International Conference on Advances in Technology and Management (ICATM-2024)
3.	A Deep Learning Approach To Facilitate Green Career Path Decisions For Students	Vrushali Bahurupi	Ideathon: Climate change and strategies for sustainable future
4.	Hate Speech Detection Using sentiment Analysis	Ninad Gaikwad	2nd International Conference on Advances in Technology and Management (ICATM-2024)
5.	Multi-class multi-object detection and tracking system in 3 dimensions using YOLOv5	Dr. Aditi Bhateja	International Conference on Range Technology (ICORT)
6.	Web Application for company stock price prediction	Deepa Ekhande	International Conference on Advancements in Science, Technology, and Management
7.	Drowsiness Detection and Alert System	Arpita Agarwal	International Conference on Advances in Science, Technology and Management
8.	Code Righter - an online code compiler with AI code completion	Radhika Fulzele	International Conference on Advances in Science, Technology and Management
9.	RAPID-Net: Reduced architecture for pneumonia in infants detection using deep convolutional framework using chest radiograph	Dr. Satishkumar L. Varma	Biomedical Signal Processing and Control

10.	Attention-Enhanced Residual U-Net for Nucleus Segmentation in Immunohistochemistry Images	Dr. Satishkumar L. Varma	International Journal of Applied Engineering and Technology (London)
11.	Consolidation of Squeeze and Excitation with VGG16 for Pneumonia Diagnosis through Chest X-Ray Images	Dr. Satishkumar L. Varma	Stochastic Modelling and Computational Sciences, Roman Science Publications
12.	Analysis of Machine Learning and Deep Learning Techniques For Emotion Recognition Using English Text	Dr. Satishkumar L. Varma	International Journal of Applied Engineering and Technology (London)
13.	Deep Architecture for Diagnosis of Pneumonia in Thoracic Images	Dr. Satishkumar L. Varma	International Journal of Applied Engineering and Technology (London)
14.	Gene co-expression network construction and analysis for identification of genetic biomarkers associated with glioblastoma multiforme using topological findings.	Dr. Satishkumar L. Varma	Journal of the Egyptian National Cancer Institute
15.	"MyCitypedia: One Stop Complete Directory for A Smart Urban Lifestyle	Prerana Kulkarni	International Journal of Research and Analytical Reviews
16.	A Survey of on Demand Home Services	Prerana Kulkarni	International Journal of Advanced Research in Science, Communication and Technology
17.	HomeServe: The On-Demand Home Services Platform	Prerna Kulkarni	International Journal of Research and Analytical Reviews
18.	Lost Laptop Tracking System Using Mac Address	Dr. Lokhande, Prashant S.	SSRN

19.	Referendum Poll System A Blockchain Based Solution for Direct Democracy	Dr. Lokhande, Prashant S.	SSRN
20.	IOT Based Metropolitan Gardening System	Dr. Shreedevi Kulkarni	International Journal of Agriculture Research and Development
21.	MEDLEY: A Centralized Cloud based System for Improved Healthcare Data Security with Authentication	Vrushali Bahurupi	International Research Journal of Engineering and Technology
22.	Survey Paper on Cloud-Based Secured Healthcare System	Vrushali Bahurupi	International Research Journal of Engineering and Technology
23.	Bus Traversal System (Fare Calculation using GPS)	Arpita Agarwal	Journal of Emerging Technology and Innovative Research

Sr. No.	Department	No of Publications
1	Electronics and Telecommunication Engineering	3
2	Electronics and Computer Science Engineering	2

Department of Electronics and Telecommunication Engineering

Sr. No	Title of paper/Book	Name of the Author/s	Name of Journal/Conference/Publisher
1	Design and Development of CPW-Fed Miniaturized MSA for Improved Gain, Bandwidth and Efficiency Using PRS	Ameet M. Mehta	Progress In Electromagnetics Research C
2	A Bow-Tie shaped Slot Antenna with Substrate Integrated Waveguide (SIW) and Periodic Patches for Gain and Bandwidth Improvement	Ameet M. Mehta	2023 IEEE Pune Section International Conference (PuneCon)
3	Design and Implementation of a 64-bit Vedic Multiplier Using Urdhva Tiryakbhyam Sutra for Minimizing Delay and Area Consumption	Ameet M. Mehta	Journal of Xidian University

Department of Electronics and Computer Science Engineering

Sr. No	Title of paper/Book	Name of the Author/s	Name of Journal/Conference/ Publisher
1	Magnetic properties of Fe ₃ O ₄ nanoparticles having several different coatings	Bhakti Hirani , P S Goyal, Swapnil S Sagare, Sundeep H Deulkar, Anita Dsouza and S Rayaprol	Bull. Mater. Sci. (2023) 46:216
2	Determination of sizes of Fe ₃ O ₄ nanoparticles: Results of comparative X-ray diffraction and Small Angle X-Ray Scattering Studies	Swapnil S Sagare, P.S. Goyal, Sundeep H Deulkar, Deepali Shrivastava, Ashwani Kumar and Debasis Sen	International Journal of Applied Engineering & Technology

Sr. No.	Department	No of Publications
1	Applied Sciences, Mathematics and Humanities	22

Department of Applied Sciences, Mathematics and Humanities

Sr. No.	Title of paper/Book	Name of the Author/s	Name of Journal/Conference/Publisher
1	Sustainable Utilization of Fly Ash in Smart Cities”	Dr. Surabhi	International Journal of Innovative Research in Technology
2	Neutron diffraction studies of Fe-substituted Mn ₂ O ₃	Dr. Ravindra R. Nikam	Indian Journal of Physics
3	On the skew eigenvalues of joined union of oriented graphs and applications	Archana Ingole	Quaestiones Mathematicae
4	On the skew characteristics polynomial/eigenvalues of operations on bipartite oriented graphs and applications	Archana Ingole	Research in Mathematics
5	Analysis of thermal constraints with bioheat transfer in human tissues	Kamini Chaudhari	Interfacial phenomena and Heat transfer
6	Impact of Reduced Differential Transform under heat-moisture coupling on the hygrothermal elastic properties in cartesian coordinates	Kamini Chaudhari	Physica Scripta
7	Optical Fiber Based Gold Nanoparticles and Titanium Dioxide Modified In Situ Refractometer and Immunosensor	Dr. Moutusi De	IEEE Sensors Journal
8	Square Residue Graph	Neethu P	AIP Conference Proceedings
9	Game based learning- An Effective Cognitive Tool for Learner Engagement	Dr. Malavika Sharma	Shodhasamhita: Journal of Fundamental and Comparative Research
10	Mathematical Analysis of System Reliability using Markov Chains	Dr. Anshu Murarka	International Journal of Research in Engineering and Applied Sciences

11	Design and Implementation of a 64-bit Vedic Multiplier Using Urdhva	Dr. Arun Shridharan Pillai	Journal of Xidian University
12	independent domination number of wheel and path related graphs	Lilly Pradhan	AIP Conference Proceedings
13	Hexagonal Boron Nitride Nanoplatelets Filled Polyphenylene Sulphide Nanocomposites: Influence on Thermal and Dielectric Properties	Biswajit Panda	Journal of Mines, Metals and Fuels
14	PVDF Nanocomposites based on Polyvinylpyrrolidone (PVP) modified iron oxide (Fe ₃ O ₄) nanosheets: Influence on Thermal and Magnetic Properties	Biswajit Panda	J. Plastics, Rubber and Composites
15	Surfactant Assisted Dispersion of Graphene in Aqueous Solution using Mixed Surfactants	Biswajit Panda	J. Materials Today: Proceedings
16	Influence of Surface Treated Halloysite Nanotubes on Mechanical and Thermal Properties of Polypropylene Nanocomposites	Biswajit Panda	J. Materials Today: Proceedings
17	Solvent assisted dispersion of graphene and its PVA nanocomposites coating: Processing and characterization	Biswajit Panda	J. Materials Today: Proceedings
18	Acid Treated Halloysite Nanotubes Reinforced PP/ABS Blends and its Composites: Influence on Mechanical and Thermal Properties	Biswajit Panda	J. Materials Today: Proceedings
19	Determination of Sizes of Fe ₃ O ₄ Nanoparticles: Results of Comparative X-Ray Diffraction (XRD) and Small Angle X-Ray Scattering (SAXS) Studies	Dr.Sundeep Deulkar	International Journal of Applied Engineering and Technology
20	Determination of Sizes of Fe ₃ O ₄ Nanoparticles: Results of Comparative X-Ray Diffraction (XRD) and Small Angle X-Ray Scattering (SAXS) Studies	Dr Deepali Shrivastava	International Journal of Applied Engineering and Technology
21	Portrayal of Dystopian Society and Brati as a Dystopian Protagonist in Mahasweta Devi's 'Mother of 1084'.	Darshana Pachkawade	International Journal of English and Studies
22	Enriching Cultural Awareness Through Translation Studies: A Study of Tribal Culture in Mahasweta Devi's 'The Book of Hunter'.	Darshana Pachkawade	Journal of Teaching and Research in English Literature:An international open-access journal

Guest Lectures/Seminars/Workshops/Webinars/ FDPs

Department of Automobile and Mechanical Engineering

Sr. No.	Name of Activity	Date	Organizers	Speaker
1	Seminar on Piping Engineering	17/10/2024	Prof. Tikaram Verma	Prof. Prathmesh Sawant
2	The placement awareness talk	14/3/2024	Prof. George Varghese and Prof. Tikaram Verma	Dr. Prashant Lokhande and Prof. Nitin More
3	Linkedin - Build Profile webinar	05/01/2024	Prof. Ameya Nijasure	Prof. Ameya Nijasure
4	Solidworks Global Certification Course - Associate level – CSWA - BATCH 08	1/06/2023 to 30/07/2023	Prof. Ameya Nijasure	Prof. Ameya Nijasure & Prof. Binsu Babu
5	Solidworks Global Certification Course - Associate level – CSWA - BATCH 09	1/12/2023 to 15/02/2024	Prof. Ameya Nijasure & Prof. Binsu Babu	Prof. Ameya Nijasure & Prof. Binsu Babu
6	Solidworks Global Certification Course – Professional level – CSWP Batch 07	1/06/2023 to 30/07/2023	Prof. Ameya Nijasure & Prof. Binsu Babu	Prof. Ameya Nijasure & Prof. Binsu Babu
7	Solidworks Global Certification Course – Professional level – CSWP Batch 08	1/12/2023 to 15/02/2024	Prof. Ameya Nijasure & Prof. Binsu Babu	Prof. Ameya Nijasure & Prof. Binsu Babu
8	4 days' workshop on Introduction to Concept Sketching	01/07/2023 to 30/07/2023	Prof. Ameya Nijasure	Prof. Ameya Nijasure

Seminar on Piping Engineering

The seminar on Piping Engineering was held on 17th October 2023 at Pillai College of Engineering. It aimed to provide a comprehensive understanding of the design, installation, and maintenance of piping systems in various industries such as oil and gas, petrochemicals, and water treatment. The event attracted professionals, students, and experts in the field of mechanical and chemical engineering. The seminar was a significant success, achieving its objectives of education, knowledge sharing, and professional networking. It highlighted the importance of continuous learning and adaptation to new technologies and standards in the ever-evolving field of piping engineering.



Seminar on Placement awareness

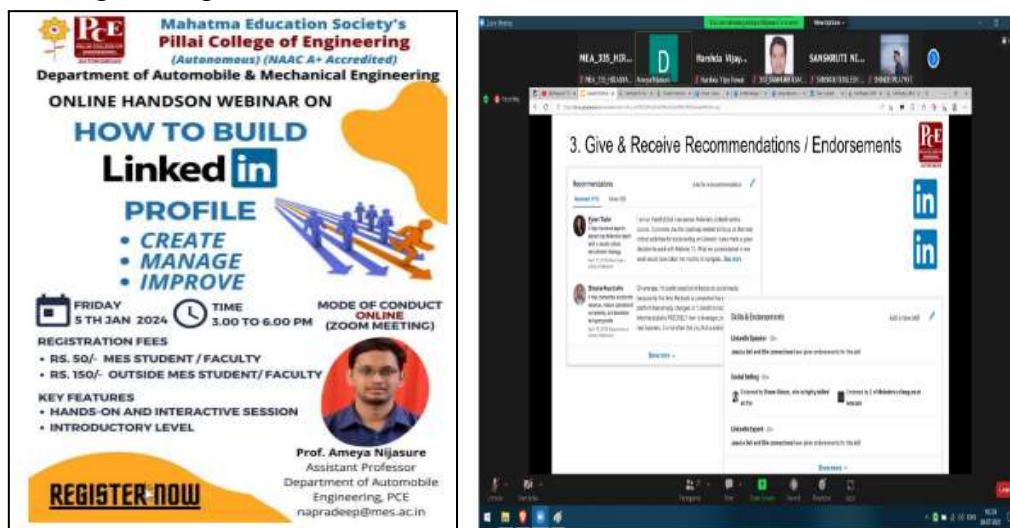


The placement awareness talk was aimed at demystifying the placement process for students. Industry experts and alumni were invited to share their experiences and tips for successful placement. The session covered various aspects, such as resume building, interview

preparation, and industry-specific expectations. The talk was conducted on 14th Mar 2024 at 03.00 PM to 05.00 PM

Webinar on How to build Linked in Profile

Primary objective of this webinar is to make participants aware about Linked in. LinkedIn is the world's largest professional network. It is mainly used by recruiters and job seekers around the world. Building a LinkedIn Profile is an important task to build a good professional network. This will help the students to connect various professionals in different fields. The Sessions were interactive and received positive responses from all participants. It is conducted on 5th Jan 2024 at 03.00 to 06.00 PM by the Department of Mechanical & Automobile Engineering in Online mode.



Workshop on Certified Solid works Professional

Mechanical and Automobile Engineers should be certified with Solid works. Department has organized a workshop on Certified Solid works Professional. Certified Solid works Associate is a global certification provided by Dassault systems. The Speakers are Prof. Binsu Babu and Prof. Ameya Nijasure This course is conducted in online mode, all sessions were conducted after college hours in the evening. Total 30 students received CSWA Global Certification in the final exam attempt where 70% was passing criteria (168 out of 240 marks). 20+ Sessions were conducted on basics of modeling, assembly modeling & drafting with multiple practice forms. Also two mock tests were provided to students for getting an idea of the actual exam. Extra sessions on topics like advanced modelling, Assembly and Drafting were conducted as part of Course.



Mahatma Education Society's Pillai College of Engineering
(Autonomous) (NAAC A+ Accredited)
Department of Automobile & Mechanical Engineering

Solidworks Mechanical Design Certification Associate Level (CSWA)

Course highlights

- CSWA Certification - One attempt
- 30+ Hrs of Training from Certified Professionals
- Basic Solidworks - Sketching, Part Modeling, Assembly, Drafting etc.
- Participation certificate to all

Important Note

- Registration on first come first serve basis.
- Limited Seats (Batch size of max 35 Students)
- Course will be conducted in Online Mode.

Course Duration : May - June 2023
Course Start : 20th May 2023
Timing : 6.00 pm to 8.00 pm (Three times a week)
Exam Date : Second week of July 2023

Mode of Conduct	Last Date of Registration	TO NOMINATE
Online (Zoom Meeting)	15th May 2023	CLICK HERE

Please Note

- After Registration students can request coordinators for student license copy for CSWA exam attempt. (For online mode students must have own PC or Laptop)



Mahatma Education Society's Pillai College of Engineering
(Autonomous) (NAAC A+ Accredited)
Department of Automobile & Mechanical Engineering

Hear from our students

CSWA and CSWP courses has helped me in building a strong resume for my career . It has helped me to increase my modelling skills to a great extent . It also played a vital role in my interview process . Our mentors for the course were very supportive and cleared our doubts in each step. I would definitely recommend this course to each and every Mechanical Engineering students out there .

Mr. Gokul Nair
Apprentice - Quality Assurance
Dassault Systems, Pune

I had a wonderful experience attending the CSWA course, especially because how easily the complex aspects of SolidWorks were explained. This course helped me become exceptionally better at SolidWorks. The knowledge that I gained during the course was later used in my projects/internships. This certification and the skills acquired in the process is what helped me acquire a Research Internship at IIT Bombay which a great kickstart to my career.

Mr. Vishnu Prasad
Research Intern
IITB - Rapid Manufacturing Lab

About Instructors

<p>Prof. Ameya Nijasura Asst. Prof. Automobile Engineering, PCE npradeep@mes.ac.in</p>	<p>Prof. Binsu Babu Asst. Prof. Mechanical Engineering, PCE Binsubabu@mes.ac.in</p>
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Globally Certified in Solidworks (CSWA & CSWP)
Certified Faculty Instructor (AutoCAD, Solidworks, Arsys Workbench)
Expert Domains : 2D Drafting, CAD modelling, Product Design, FEA

Workshop on Introduction to Concept Sketching

Four sessions were conducted on concept sketching. Sessions on introduction, views basics (Isometrics / Prospective), Proportions and various applications were discussed. Students were asked to perform projects on concept ideas for provided topics as a submission for completion of course. Expert session by Mr. Deepak kanojia – Automobile batch 22 Alumni was conducted. He discussed scope, current trends and importance of concept sketching in industry.



Mahatma Education Society's Pillai College of Engineering
(Autonomous) (NAAC A+ Accredited)
Department of Automobile Engineering

4 DAYS WORKSHOP on INTRODUCTION TO CONCEPT SKETCHING

- Product Design
- Ideation / Concept
- Automotive Sketching
- UI / UX Concepts

8-15-22-29th July 2023
Only on Saturdays
10.00 AM to 4.00 PM

Please note:

- This workshop is open for all.
- This is an introductory level workshop.
- No prior sketching experience required.

REGISTRATION FEES : 1000/- (WORKSHOP KIT INCLUDED)

Come join us to Explore Opportunities..!



Mahatma Education Society's Pillai College of Engineering
(Autonomous) (NAAC A+ Accredited)
Department of Automobile Engineering

INTRODUCTION TO CONCEPT SKETCHING

WORKSHOP CONTENTS

- Introduction to sketching
- Tools and Equipments used
- Orthographic & Prospective views
- Understanding Proportions
- Detail sessions on Product sketching / Concepts / Automotive sketching

KEY FEATURES

- Workshop kit - for all Participants
- Interactive sessions
- Expert Session by PCE Alumni
- Sketch Exhibition of 2023 batch
- Certificates to all Participants

CONTACT FOR MORE INFO
Prof. Ameya Nijasura
npradeep@mes.ac.in
7039062719

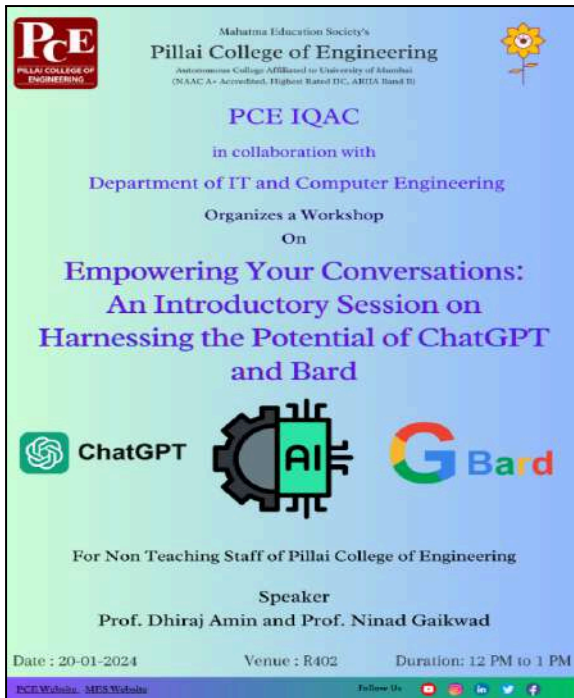
FOR REGISTRATIONS
[CLICK HERE](#)

Department of Computer Engineering and Information Technology

Sr. No.	Name of Activity	Date	Organizers	Speakers
1.	Empowering Your Conversations- An Introductory Session on Harnessing the Potential of ChatGPT and Bard	January 20, 2023	PCE IQAC	Prof. Dhiraj Amin, Prof. Ninad Gaikwad.
2.	Value added course in Advanced Computer Architecture	February 17, 2024	Dr. Sharvari Govilkar, Prof. Manasi Kulkarni	Prof. Virendra Singh IIT Bombay, Munawira Kotyad
3.	Awareness of IP Patenting	March 1, 2024	PCE IQAC	Mr. Parag Bhagat, Senior Manager of IP Council at Mastek Pvt. Ltd.
4.	Talk and Interaction on Entrepreneur Mindset	March 13, 2024	TEIT	Dr. Tusharika Sinha Banerjee, Innovation Ambassador at PCE and founder of the R&D firm Sweekriti Asset.
5.	Value added course on Data Analysis Using Python on Astronomical Dat	May 10, 2024	Department of Computer and IT Engineering	Prof. Dhiraj Amin

Empowering Your Conversations- An Introductory Session on Harnessing the Potential of ChatGPT and Bard


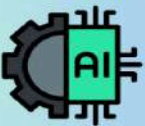

On January 20, 2023, a workshop titled "Empowering Your Conversations - An Introductory Session on Harnessing the Potential of ChatGPT and Bard" was conducted to introduce non-teaching staff to the capabilities of these language generation tools. The session focused on their applications in improving communication and efficiency in professional settings. Key topics included an overview of the tools' principles and technical aspects, delivered by Prof. Dhiraj Amin, and a discussion on real-world applications, led by Prof. Ninad Gaikwad. Participants engaged in hands-on activities to explore practical uses, gaining valuable insights into integrating these technologies into daily tasks. The session was well-received, with plans for future workshops on advanced applications to support ongoing learning and collaboration.



PCE
PILLAI COLLEGE OF ENGINEERING

Mahatma Education Society's
Pillai College of Engineering
Autonomous College Affiliated to University of Mumbai
(NAAC A+ Accredited, Highest Rated DC, ABDA Band B)

PCE IQAC
in collaboration with
Department of IT and Computer Engineering
Organizes a Workshop
On
**Empowering Your Conversations:
An Introductory Session on
Harnessing the Potential of ChatGPT
and Bard**

 ChatGPT  

For Non Teaching Staff of Pillai College of Engineering
Speaker
Prof. Dhiraj Amin and Prof. Ninad Gaikwad

Date : 20-01-2024 Venue : R402 Duration: 12 PM to 1 PM

[PCE Website](#) [MSS Website](#) [Follow Us](#) [YouTube](#) [LinkedIn](#) [Twitter](#) [Facebook](#)



Value added course in Advanced Computer Architecture:



Pillai College of Engineering

COURSE IN ADVANCED COMPUTER ARCHITECTURE

The Course covers:

- ✓ Micro Processor design and Performance
- ✓ Pipelining Techniques
- ✓ Memory Hierarchy design
- ✓ MicroArchitectural Enhancements for performance

REGISTER NOW!

Every Saturday
Beginning 17 Feb 2024
Time 11:00-14:00
Taught By MUNAWIRA KOTYAD

ESSENTIAL COURSE REQUIRED BY INTEL, AMD, APPLE AND OTHER CHIP MANUFACTURERS

Contact Us
To enroll contact : Prof. Manasi Kulkarni -91 75865 88482



Mahatma Education Society's Pillai College of Engineering (Autonomous) Department of Computer Engineering

EXPERT TALK ON ADVANCED COMPUTER ARCHITECTURE

17 FEB 2024 | TIME: 2PM-5 PM

Venue: Conclave II, 6th Floor

Event convener:
Dr. Sharvari Govilkar
Prof. Manasi Kulkarni


Prof. Virendra Singh
(Department of Electrical Engineering, IIT Bombay)
viren@ee.iitb.ac.in

The Value-Added Course on “Advanced Computer Architecture”, held from 17th February 2024 to 30th May 2024, provided students with an in-depth understanding of advanced concepts in computer architecture, combining theoretical knowledge with practical applications. Organized by Dr. Sharvari Govilkar and Prof. Manasi Kulkarni, the course attracted 40 undergraduate students from various engineering disciplines and 35 faculty members. It was inaugurated on 17th February by Prof. Virendra Singh from IIT Bombay, a renowned expert in processor design, known for his collaborations with global organizations. Sessions conducted by Prof. Munawira Kotyad covered topics such as modern microprocessor design, memory hierarchy and optimizations, pipelining, data hazards, instruction-level parallelism, and superscalar architecture, among others. The instructional methodology featured interactive lectures paired with hands-on labs using simulation tools and hardware platforms. The course was well-received, with participants appreciating its comprehensive content and practical relevance to industry trends.



Awareness of IP Patenting:



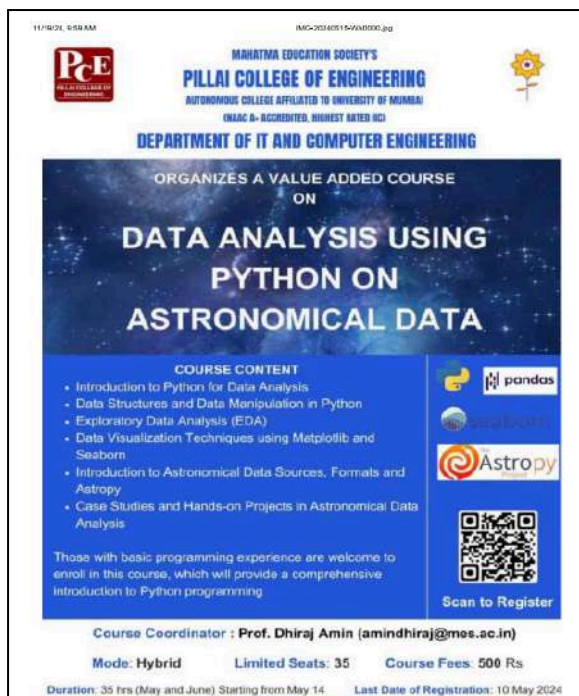
The webinar titled "Awareness of IP Patenting" took place on March 1, 2024, from 3:30 to 5:00 PM at Pillai College of Engineering (PCE). Organized by IQAC in collaboration with the Deep Blue Project, the event had 60 participants, mainly third-year students from the Computer Engineering and Information Technology departments.

Mr. Parag Bhagat, Senior Manager of IP Council at Mastek Pvt. Ltd., was the expert speaker. He covered the basics of Intellectual Property Rights (IPR), focusing on the significance of IP patents in various fields and their role in fostering individual and team growth. He also provided guidance on

how to apply for IP and copyright applications, sharing practical steps and insights.

The session offered valuable knowledge on the importance of IPR and the process of patenting, which was appreciated by the attendees.

Value added course on Data Analysis Using Python on Astronomical Data



"Data Analysis Using Python on Astronomical Data" was a value-added course aimed at equipping participants with skills in Python programming and its application in astronomical data analysis. The hybrid course, held over 35 hours during May and June 2024, provided an in-depth curriculum including Python for data analysis, data manipulation, exploratory data analysis (EDA), visualization techniques using Matplotlib and Seaborn, and an introduction to astronomical data sources and formats with Astropy. Participants also engaged in case studies and hands-on projects. The course, open to individuals with basic programming knowledge, was limited to 35 seats, ensuring focused learning. Coordinated by Prof. Dhiraj

Amin, this initiative provided practical and industry-relevant skills to students and professionals.

Department of Electronics and Telecommunication Engineering:

Sr. No	Name of Activity	Date	Organizers	Speakers
1	CV Building Training for Third Year EXTC and ECS Students	06/03/2024	Department of Electronics and Telecommunication	Dr. P. S. Lokhande
2	Aptitude Test Series for EXTC students (1-5 Tests) for TY EXTC	02/02/2024 - 20/03/2024	Department of Electronics and Telecommunication	Prof. Suchitra A. Patil
3	Talk And Interaction On Entrepreneur Mindset	13/03/2024	Department of Electronics and Telecommunication	Dr. Shashank Kushwaha

CV Building Training for Third Year EXTC and ECS Students

Department of Electronics and Telecommunication Engineering, Pillai College of Engineering, New Panvel organized CV Building Training for Third Year EXTC Students to boost the students for the placements.

This session aims to equip you with the essential skills and knowledge required to craft an impressive curriculum vitae (CV). A well-structured CV is vital in presenting your academic achievements, skills, and experiences effectively to potential employers. Whether you are applying for internships, graduate programs, or job opportunities, having a strong CV can significantly enhance your chances of success.

During this training session, you will learn:

- The importance of a CV and its role in the job application process/
- Key components of a CV and how to organize them effectively/
- Techniques for highlighting your skills, experiences, and achievements/
- Formatting tips and best practices for creating a visually appealing CV/
- Tailoring your CV to specific job roles or industries/
- The session will be interactive, allowing you to ask questions and receive personalized advice on improving your CV. We encourage all third-year ECS students to attend this training session to gain valuable insights that will benefit your future career endeavors.



Aptitude Test Series for EXTC Students (1-5 Tests) for TY EXTC

Department of Electronics and Telecommunication Engineering, Pillai College of Engineering, New Panvel organized an Aptitude test series to boost the students for the placements.

Total of 5 tests were conducted under this series. Many students from TY EXTC attended the test series and benefited. This will help students prepare for the preparation of entrance exams, interviews, GRE etc.



Talk and Interaction on Entrepreneur Mindset:



The session, titled "Talk and Interaction on Entrepreneur Mindset" featured speakers Dr. Shashank Kushwaha, Founder and Director of Immortals Solar, and Dr. Tusharika Sinha Banerjee, Innovation Ambassador at PCE and founder of the R&D firm Sweekriti Asset. This event was organized by students from TEIT (2023-24) on March 13, 2024, the offline event drew a strong attendance with 10 faculty members and 160 students. The two-hour program was categorized under Level 1 expert talks and mentoring sessions, focusing on essential themes like IPR & Technology Transfer, Innovation & Design Thinking, Entrepreneurship & Startups, and Pre-Incubation & Incubation Management.

The session's primary objective was to inspire and guide students in developing an entrepreneurial mindset, equipping them with the fundamentals of business planning. It aimed to empower students to consider entrepreneurship as a viable path by providing them with the confidence and tools to launch innovative ventures. Through discussions on entrepreneurship, students were exposed to the mindset and key traits of successful entrepreneurs. They engaged in activities to hone skills in innovative thinking, problem-solving, and idea generation. Additionally, the session covered essential aspects of crafting a business plan, providing participants with a structured approach to translating their ideas into business concepts.



In terms of learning benefits, the session offered participants insights into effectively utilizing resources and expanding networks for support, helping them build foundational skills critical to entrepreneurial success. By the end, students gained an understanding of both the practical and strategic components of entrepreneurship, preparing them to confidently explore and pursue business ventures. This session proved valuable for aspiring entrepreneurs aiming to make an impact in their respective fields with innovative ideas and a strong business foundation.

Department of Electronics and Computer Science

Sr. No	Name of Activity	Date	Organizers	Speakers
1.	Aptitude Test Series for ECS students (1-5 Tests) for TY ECS	29th Feb 2024 to 25 June 2024	Department of Electronics and Computer Science	–
2	Pre-placement Talk for skill Development	14th Feb 2024	Department of Electronics and Computer Science	Dr. P. S. Lokhande
3	CV Building Training	6th March 2024,	Department of Electronics and Computer Science	Dr. P. S. Lokhande

Aptitude Test Series for ECS students (1-5 Tests) for TY ECS

Department of Electronics and Computer Science, Pillai College of Engineering, New Panvel organized an Aptitude test series to boost the students for the placements.

Total of 5 tests were conducted under this series. Many students from TY EXTC attended the test series and benefited. This will help students prepare for the preparation of entrance exams, interviews, GRE etc.

Pre-placement Talk for skill Development

Department of Electronics and Computer Science, Pillai College of Engineering, New Panvel organized a talk on Pre Placement talk by Dr. P. S. Lokhande. During the session HOD of EXTC and ECS along with both departments placement coordinator were present.

During this session, you will have the opportunity to:

- Gain insights into the current job market trends in the electronics and computer engineering sectors.
- Understand the expectations of potential employers.
- Learn about the various tools and resources available for enhancing your employability skills.
- Get tips on crafting effective resumes and preparing for interviews.
- Have your queries addressed by the Training and Placement Officer.



CV Building Training for Third Year EXTC and ECS Students

Department of Electronics and Computer Science, Pillai College of Engineering, New Panvel organized CV Building Training for Third Year EXTC Students to boost the students for the placements. This session aims to equip you with the essential skills and knowledge required to craft an impressive curriculum vitae (CV).

A well-structured CV is vital in presenting your academic achievements, skills, and experiences effectively to potential employers. Whether you are applying for internships, graduate programs, or job opportunities, having a strong CV can significantly enhance your chances of success.

During this training session, you will learn:

- The importance of a CV and its role in the job application process
- Key components of a CV and how to organize them effectively
- Techniques for highlighting your skills, experiences, and achievements
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- Tailoring your CV to specific job roles or industries
- The session will be interactive, allowing you to ask questions and receive personalized advice on improving your CV. We encourage all third-year ECS students to attend this training session to gain valuable insights that will benefit your future career endeavors.



7. Co-Curricular Activities

Institution's Innovation Council

PCE has established Institution's Innovation Council (IIC) as per the guidelines of 'MoE's Innovation Cell (chanism, MIC)' in the year 2019 with the objective to inculcate the entrepreneurship culture among students, faculty members and alumni. IIC PCE has a team of 37 members from various departments and from Industry. Four members are from Industry and incubation center who regularly interact with the faculty members and students members of the IIC and they also help in arranging speakers and sessions related to startup and entrepreneurship. PCE Institution's Innovation Council attained the highest Star Rating for the academic year 2021-22.

The IIC member details for the academic year 2022-23 are as follows:

Faculty Members	Member Type	Role on Committee
Dr.Sandeep Joshi	Faculty	Head of the Institution
Dr Priam Pillai	Faculty	Convener
Dr Richa Agrawal	Faculty	President & Startup Activity Coordinator
Harsha Ghadge	Faculty	Vice-President, ARIIA Coordinator
Dr Avinash Vaidya	Faculty	NIRF and IDEA Lab 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
Dr. Arun Pillai	Faculty	Entrepreneur & IDEA Lab Co-coordinator
Mr Lalit Mehta	Faculty	Social Media Coordinator
VarunakshiBhojane	Faculty	Member
Sonali Kathare	Faculty	Member
Deepti Lawand	Faculty	Member
Salim Jafri	Faculty	Member
Bhagwan More	Faculty	Member
Dr. S K Srivastava	Faculty	Member
Dr Tusharika Banerjee	Faculty	Member
Dr. Surabhi	Faculty	Member
Dr. Leena Potdar	Faculty	Member
Dr. Jyoti Deshmukh	Faculty	Member

Prof. Rohit Sharma	Faculty	Member
Prof. Florence	Faculty	Member
Prof. Shivapradeep M	Faculty	Member
Prof. Komal Kadam	Faculty	Member
Prof. Jisha S.	Faculty	Member
Dr Celina Joy	External Members	Member, Incubation Center
Susanna Cherian	External Members	Member, Incubation Center
Franav Pillai	External Members	Entrepreneur
MunawiraKotyad Pillai	External Members	Entrepreneur
Shreya Naik	Student	Innovation Coordinator
Sangram Khot	Student	Innovation Coordinator
Om Mahadeshwar	Student	Innovation Coordinator
Sujal Keni	Student	Innovation Coordinator
Subodh Uday Shinde	Student	Innovation Coordinator
Sudiksha Dilip Jadhav	Student	Social Media Coordinator
Atharva Kolekar	Student	Social Media Coordinator
Komal Devi	Student	Social Media Coordinator
Aarushi Borkar	Student	Internship Coordinator
Adithi Damodar Shetty	Student	Internship Coordinator
Indrajith Nair	Student	Internship Coordinator
Sarvesh	Student	Internship Coordinator
Raj Sachin Patil	Student	Startup Coordinator
Nair Rohan Unnikrishnan	Student	Startup Coordinator
Akhil Sanjeev Nair	Student	Startup Coordinator
Amritha Sundara Moorthy	Student	Startup Coordinator
Atharv Gorade	Student	Startup Coordinator
Lakshit Shrimali	Student	Startup Coordinator
Tejas Vilas Khaire	Student	Startup Coordinator
Ayush Sharma	Student	Startup Coordinator
Viraj Narendra Rane	Student	Startup Coordinator
Mohit Jadhav	Student	Startup Coordinator
Utsav Khairnar	Student	Startup Coordinator
Chaitanya Mhatre	Student	IPR Coordinator
Aman Khot	Student	IPR Coordinator
Devika Gori	Student	IPR Coordinator
Sumit Chavan	Student	IPR Coordinator

Major Activities

Quarter I

SN	Event	Date	Speaker
1	Open Day for School Children	4th - 5th September 24	-
2	Amrit Kaal Vimarsh Vikasit Bharat @ 2047	13th September 24	Prof. Manoj Tiwari
3	Maker's Day	14th September 24	-
4	Skill Program on Project Building	16th - 18th October 24	Prof. Yogesh Kene and Prof. Ishmeet Riar
5	Makerthon	20th October 24	-

Open Day for School Children

Like every year, Open Day for school students was organised to make school students aware about all the facilities at campus so that they can utilize it to give shape to their ideas. This time it was organized on 4th September.. This exhibition helps the school students to familiarize themselves with all the departmental facilities existing in the college. It gives school students an idea of which lab has which equipment or experimental setup. Students learnt and understood the working of various facilities and also gained hands-on experience on a few setups.





Amrit Kaal Vimarsh Vikasit Bharat @ 2047 - Seminar on “Towards Navbharat: A study of Infrastructure, Community and Development”

Pillai College of Engineering was selected as one of the institutes to organize a seminar on “Towards Navbharat: A study of Infrastructure, Community and Development” to contribute to India's vision to undergo significant development and growth through thorough analysis and planning by the year 2047. This event was organised in association with AICTE and MoE on 13th September, 2023 from 4.30 onwards. The speaker for the seminar was Prof. Manoj Tiwari, FNAE, FNASC, FIIE, FIIE (USA) FIETI (Hong Kong), Director, IIM Mumbai.



Maker's Day

Maker's Day was held on 14th Sept. 2023. The idea behind this celebration is to make all students aware about facilities available in PCE campus and inspire them to make use of available resources in their projects and innovations. Maker's Day helps the students to familiarize themselves with all the departmental laboratories existing in the college. Maker's Day gives students an idea of which lab has which equipment or experimental setup. So that students can use this lab equipment in their project work. Maker's Day is expected to inspire students to make things, maybe for PBL, B.E. project, mini project or startup.




Mahatma Education Society's
Pillai College of Engineering
 (Autonomous) (NAAC A+ Accredited)
MAKERS DAY 2023



14th sept. 2023 Time: 09 am - 01 pm

Innovation and Research Center (P002)
 Drone Consultancy
 Hardware Tools 
 Research Projects

Makers Studio/CNC Lab (R002)
 Component Library
 3D Printing
 Laser Cutting
 CNC Machine





Strength of Material Lab (R003)
 Uniaxial testing
 Impact Testing
 Hardness Testing





Big Data and IOT (R101)
 Data Mining and Big Data tools link Weka, Hadoop, NoSQL Database & MapReduce
 Node Mcu, Arduino, Raspberry Pi



CISCO Networking Training Center (S101)
 Java 7
 Geany
 Build Essential
 Cisco Pocket Tracer 
 Python 
 WIRESHARK 
 NAM 
 Kali Linux

PC Assembly & Debugging (S103)
 Assembly and disassembly of PC

Database Lab (S107/S108)
 J Turbo C++
 WPC
 Sy-Labs 
 pos GreSQL 






Skill Program on Project Building



A Skill Program on Project Building was recently conducted between 16th to 21st October 2023 at Pillai College of Engineering under IDEA Lab. The program was organised in order to introduce the students to the diversity present in the field of Electronics. Attending students were encouraged to explore this realm through different projects on intelligent systems, and the students absolutely loved the entire process of learning about the same.

Makerthon



MAKERTHON 2023, 4th Edition of Makerthon, was organized on the 20th of October. The event witnessed participation from over 100 schools and colleges participating. The inaugural function was presided over by Dr. Sandeep Joshi (Principal PCE), and Dr. Arun Pillai (Event Coordinator) who guided to limit the timing for every activity involved in steps of innovation that participants are trying during this event. The importance of “plan the project well”, “team work” and “time frame” was emphasized by the organizers. Dr. Arun Pillai explained the general rules of the competition. Dr. Sundeep Deulkar and Prof. M. D. Rao defined the problem statements for school and junior college sections respectively. A four member student team was accompanied by their school teacher who supported the students and guided them for a best

solution. In accordance with MAKERTHON's theme of 'Clean Environment' and 'Green Vehicles' the participating teams were given the topics of 'Motoryaan – the thrust for Green Revolution' for the school category and 'Sturdy ottoman without using glue or fasteners' for the junior college category.



Winner: St. Joseph Highschool & Junior College, Kalamboli in School & College Category



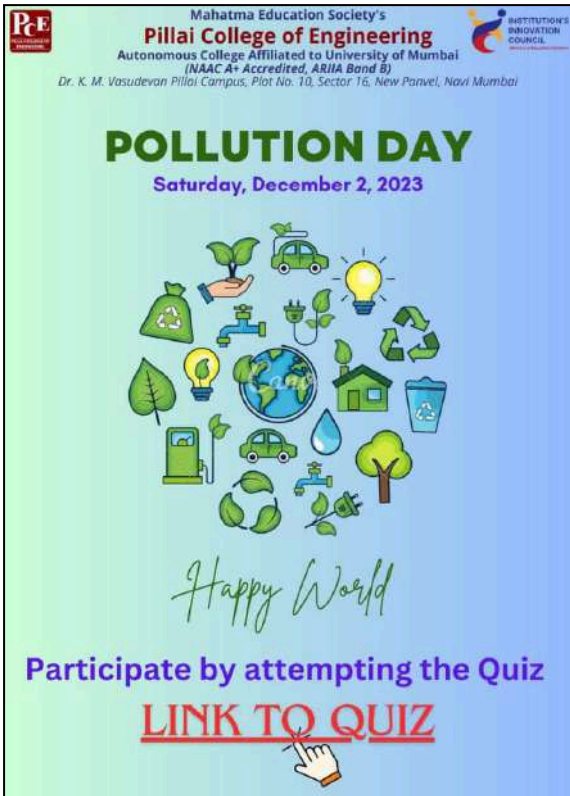
100+ school and college teams participating in our signature activity MAKERTHON 2023

Quarter II

SN	Event	Date	Speaker
1	National Pollution Control Day	2 December 2024	-
2	Workshop on Design Thinking, Critical thinking and Innovation Design	11 December 2023 to 16 December 2023	Prof. Binsu Babu and Prof. Ameya Nijasure
3	Skilling Program on Statistics for Data Sciences in Business Applications	28 December 2023 to 4 January 2024	Prof. Anjali Nambiar & Prof. Shivapradeep Muthupandi
4	Fresh Biz 2023	18 January, 2024	-
5	Workshop on Modern Sensor Technology and its Industrial Applications	January-February 2024	Dr. Moutusi De, Dr. Suman P. Wadkar, Dr. Niteshkumar Agarwal, Dr. Mimi M. Cherian and Ms. Anna Ruby
6	Advertisement Making Contest	1 February, 2024	
7	Workshop on Entrepreneurship Skill, Attitude and Behavior Development	29 February, 2024	Mr. Sagar Chandani
8	Seminar on "De-Addiction"	15 January 2024	Dr.Kanchan Janardhan

9	Session on Achieving Problem-Solution Fit and Product-Market Fit	3 January 2024	IIC PCE and IIC MGM
10	IIC Regional Meet	6 February, 2024	-
11	Mentoring Session on Creativity and Innovation	21 February, 2024	Prof. Sonali Kathare and Prof. Harsha Ghadge
12	MGM Exposure Visit	28 February 2024	Dr, Richa Agrawal Dr. Avinash Vaidya
13	Green Dentistry Hackathon	4 March 2024	-

National Pollution Control Day




POLLUTION DAY
Saturday, December 2, 2023

Happy World

Participate by attempting the Quiz

[LINK TO QUIZ](#)



Product Design and 3D Printing

Course Content :

- Need of Product Design
- Design Thinking - Concept Sketching
- Product Life Cycle
- 3D Modelling using SolidWorks
- FDM - 3D Printing Hands-On

Key Features

- Hands-On sessions
- Introductory level
- Interactive sessions

Date & Time
11 - 16 Dec 2023
10.00 AM to 1.00 PM

Registration Fees : 1500/- For FE Students

Workshop will be conducted J201 & Makers Studio

HURRY UP LIMITED SEATS FOR REGISTRATIONS CLICK HERE

Course Coordinators
Prof. Binsu Babu - binsubabu@mes.ac.in - 9869685662
Prof. Ameya Nijasure - napradeep@mes.ac.in - 7039062719

To mark the occasion of National Pollution Day on December 2, 2023, it was important to make all aware of the escalating threat of pollution that looms over our environment. Pollution poses a significant challenge, and it is the collective responsibility of every individual to contribute towards its mitigation.

In light of this, IIC PCE organized an online quiz and asked the society to actively participate in this initiative to raise awareness about pollution. We believe that education and awareness are crucial steps towards fostering positive change.

Workshop on Design Thinking, Critical thinking and Innovation Design

Skill Development Program on “Product Design and 3D Printing” was conducted from 11th December 2023 to 16th December 2023 for First Year students of Engineering. Received positive response from the students for all theory and practical hands-on sessions. A total of six Sessions of 3 hours each were conducted on the following topics of Product Design and 3D Printing:- Need of Product Design, Design Thinking, Product Life Cycle, 3D Modeling using SolidWorks, 3D Printing process using Cura, FDM using Ultimaker 2 Extended, Project Work on Product design. At the end of the course students were assigned separate project tasks – 12-15 Hrs duration in groups. They need to develop a product concept, 3D Model and 3D Printed Prototype for submission. All groups performed well and completed projects on time.



Skilling Program on Statistics for Data Sciences in Business Applications

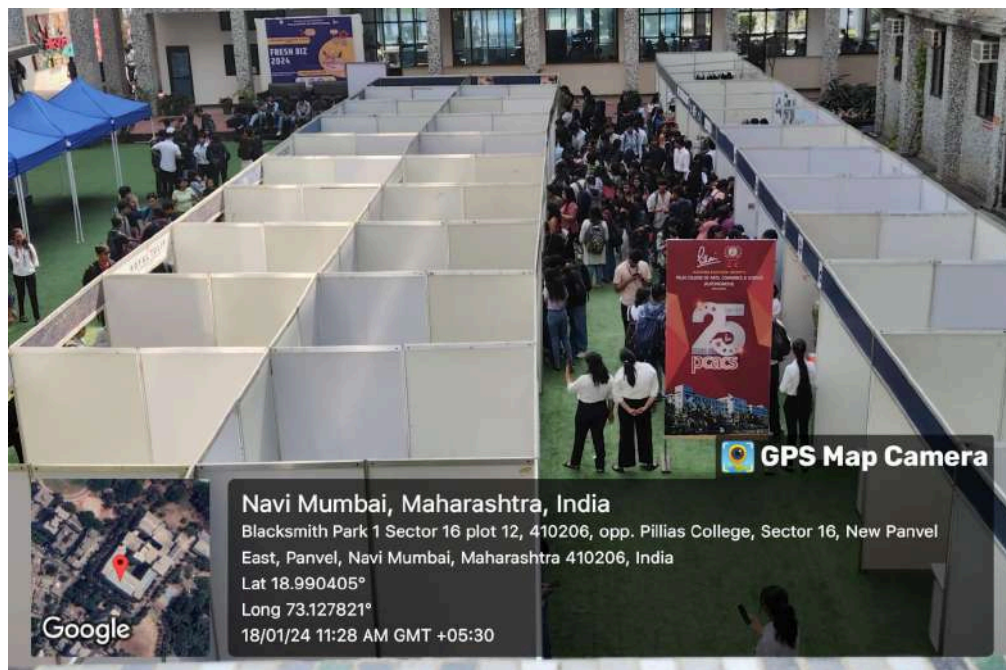
The Skilling Program on “ Statistics for Data Sciences ” was conducted from 28th December to 4th January 2024 for First Year students of Engineering. A total of six Sessions of 5 hours each were conducted on the following topics of “Statistics for Data Sciences” :- Estimators & Estimates (Finding margin of Error) , Correlation , Linear , Multiple & Logistic Regression, ANOVA. R-programming was used as the Modelling Software. A feedback form was shared with all the students, and they were happy about the overall conduct of the course & the course contents provided.



Fresh Biz 2023

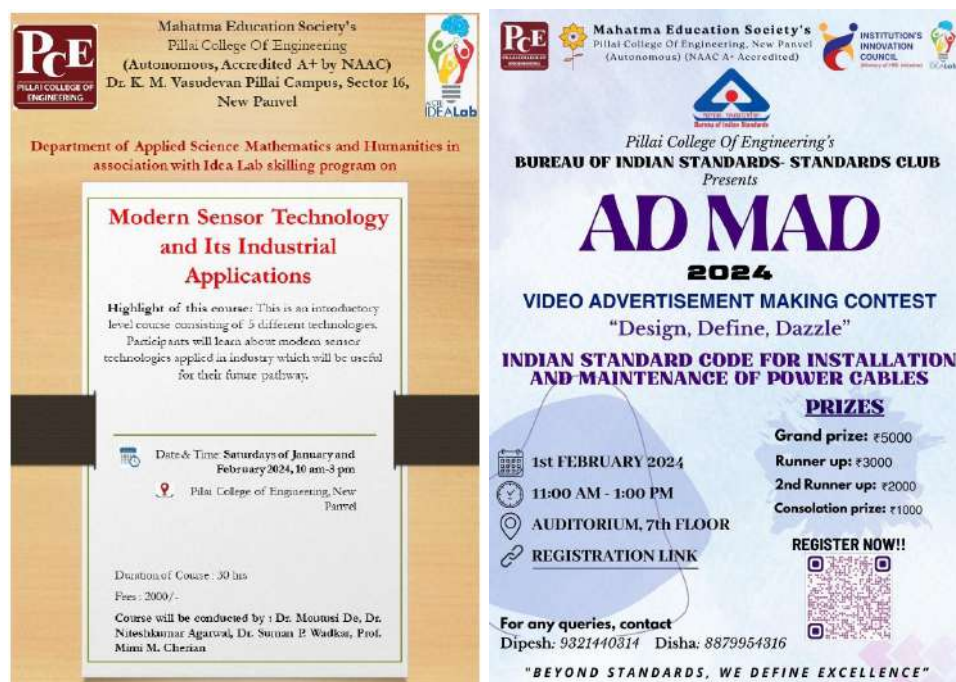
IIC - PCE took an initiative to significantly contribute to the society by conducting Fresh Biz on 20th January, 2024, an exciting blend of entrepreneurship and artistic expression!. Fresh Biz is an Art Exhibition where the Students, faculty and alumni of the college get an opportunity to exhibit their innovative startups and creative artworks to the crowd and take part in the auction. An enormous footfall proved to be a fantastic opportunity for startups to spread the word about their unique businesses. Brilliant and eye-catching business ideas founded by our faculties, students and alumni got a platform here. Beautiful artworks with compelling

messages were treated for the eyes as well as the mind. Being a career-driven Institute, Pillai college has decided to keep the setups completely free of cost. This initiative created a platform for new businesses to promote their products and showcase their brilliant ideas. The student entrepreneurs were greatly benefitted from this initiative as they could showcase their innovative products and earn money. There were more than 200 participants for the event.



Workshop on Modern Sensor Technology and its Industrial Applications

This was an introductory level workshop consisting of five different technologies. Participants had learnt about modern sensor technologies applied in industry which will be useful for their future pathway. The software used were COMSOL Multiphysics, Tinkercad & CST Microwave studio. Trendset Power & Technology Consultants Private Limited were the Industry partners for this event.



Advertisement Making Contest

This activity involves creating and presenting a short advertisement that highlights the importance and benefits of complying with specific standards. On February 1st, 2024, IIC PCE, in association with the Bureau of Indian Standards, held the event, with participants creating video advertisements on the Indian Standard Code for Installation and Maintenance of Power Cables. Proceedings commenced around 10:30 AM when the chief guest of the event, Mr. T Arjun, the Deputy Director of BIS (Mumbai Division), was felicitated by the honorable principal of the college, Dr. Sandeep Joshi. The chief guest illuminated the general audience about the different standardization processes and hallmarks of various products.



Workshop on Entrepreneurship Skill, Attitude and Behavior Development

A session on Entrepreneurship Skill, Attitude and Behavior Development was organized by IIC of Pillai college of engineering and MGM Dental College on 29th february, 2024. The speaker for the session was Mr. Sagar Chandani. Mr. Sagar was the Head of Centre for Incubation and Business Acceleration (CIBA). CIBA is a Technology Business Incubator catalyzed by the



Department of Science and Technology, Government of India. The session was organized for the participants of the hackathon to gear up for the finale. Mr. Sagar explains the various aspects to be considered while achieving the solution to the given problem statement. He also touched upon the skills required in the journey of becoming an entrepreneur. The event was followed with a discussion between the mentors and the team members. The speaker also cleared the doubts of many of the participants.

Seminar on “De-Addiction”



National Youth Day is also known as Yuva Diwas and is celebrated on the birth anniversary of Swami Vivekananda. The day creates awareness and provides knowledge about the rights of people in India. National Youth Day is also famous as Yuva Diwas. The session began by welcoming Dr. Kanchan Janardhan the speaker for the session. Dr Kanchan is an ENT specialist. Accompanying her were RTN CDR Deepak Jambekar, President Rotary Club of Panvel and Dhvani Tanna President Inner Wheel of Panvel city. The talk was really very informative and engaging.



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



A session on achieving problem-Solution Fit and Product-Market Fit was jointly organized by Pillai College of Engineering and MGM, Dental College and Hospital on 31st January, 2024. The objective of the session was to present different problems faced in the field of dentistry and attain a product that can solve the problem and get a product fit for market. There was a brainstorming discussion on how to attain a solution to the identified problem which can be a viable product too. Around 10 problems were discussed and presented by faculty and students of MGM College. This was followed by a visit to different departments of the institute to get a better understanding of the identified problem. The participating

faculty and students came to know about the way to get the best solution to the identified problem.



IIC Regional Meet





Institute Innovation Council's Regional Meet was hosted by Mahatma Education Society's Pillai HOC College of Engineering and Technology, Rasayani on 6th February, 2024. The IIC regional meet was conducted under the MoE, Innovation Cell and AICTE . The event was organized under the guidance of Dr. K. M. Vasudevan Pillai, Chairman MES, Dr. Priam Pillai, COO, MES, Dr. Jagdish (JW) Bakal, Principal, PHCET. It was a milestone in fostering innovation and developing the entrepreneurial ecosystem, offering invaluable insights and opportunities for attendees, and laying a foundation for future regional initiatives, Entrepreneurship and Sustainability to Schools, Universities and NGOs.

The primary objective of the IIC Regional Meet was to facilitate the exchange of ideas and practices for integrating innovation within Educational Institutions, Entrepreneurship and Sustainability to Schools, Universities and NGOs. The IIC Regional Meet ended with felicitation of Best Innovators and IIC Posters and valedictory function & Networking High Tea.

Mentoring Session on Creativity and Innovation



A one hour mentoring session was conducted for the students to inculcate the enthusiasm for creativity and innovation in their young minds. Various steps involved in this process and examples were provided to them. Students were informed about the NISP policy of the institute. Also students were informed about the schemes of the Ministry of Education towards innovation and entrepreneurship. It helped students to understand the basics towards entrepreneurship.

MGM Exposure Visit

An orientation session on the process of Innovation Development and Technology Readiness Level followed by an exposure visit was organized on 28th February for the students of MGM College of Physiotherapy, Navi Mumbai. The session started with an orientation session by Dr. Avinash Vaidya in which he explained the process of prototype development and how the institute can help the medical students to convert their ideas into prototypes. He also briefly explained a few collaborative projects presently going on between the two institutes. Dr. Richa Agrawal explained the various initiatives taken up by the government to promote Entrepreneurial and Innovation activities in HEI. She also explained the TRL levels involved in the startup process. Prof. Yogesh Kene and Prof. Ishmeet Singh then organized an exposure visit of the participants to the different prototyping facilities available in the campus. This involved visits to Industry 4.0 Lab, Research Lab and Makers Studio. The participants were fascinated by the facilities available at the campus.



Green Dentistry Hackathon

Pillai College of Engineering, New Panvel and MGM Dental College and Hospital jointly organized HACKATHON 2024. The objective was to make the participants unleash their creativity, ignite their passion through collaboration between MGMDCH and PCE. The two problem statement for the Environmentally friendly dentistry Hackathon were

- 1) Dentistry generates waste management.
- 2) Aerosol management in a dental office.

Team format - 4 mentees + 2 mentor (2 mentees and 1 mentor each from PCE and MGMDCH)



Hackathon 2024 was a dynamic gathering of creative minds, tech enthusiasts, and problem solvers. Whether the design wizard, or a visionary with big ideas, this event was a chance to make a difference. The participants had an opportunity to tackle real-world challenges, brainstorm innovative solutions, and showcase your talent to a panel of esteemed judges.

Total there were 58 registrations out of which 15 teams were made. Each team had 4 members and two mentors.

Quarter III

SN	Event	Date	Speaker
1	Bhashini Sprint	12th March, 2024	Ministry of Electronics and Information Technology
2	IDE Bootcamp for School Teachers	4th - 5th April, 2024	-
3	BIS Session	14th April, 2024	Dr. Surabhi
4	How To Plan For Start-Up and Legal & Ethical Steps	15th April, 2024	Mr. Sagar Ranshoor Ms. Ayushi Kalelkar

Bhashini Sprint



The Ministry of Electronics and Information Technology has launched the Bhashini Sprint Hackathon on 12th March 2024. PCE-IIC was selected as one of the five institutes to be a part of this launch. It was an enlightening session led by CEO BHASHINI, Shri. Amitabh Nag, and Nidhi Sharma, Vice President - Network Ecosystem Innovation, ONDC. They shared their valuable insights into the five Bhashini Sprint Problem Statements:

1. Bridging language gaps in voice-based negotiation engines.
2. Developing multilingual chatbots for seller and buyer support.

3. Streamlining e-commerce onboarding with multilingual software.
4. Enabling voice-controlled inventory management for sellers.
5. Empowering voice-activated shopping in AR/VR environments.

Teams from PCE have participated in this hackathon. Two teams were declared runners up with a winning amount of rupees two lakhs each.



IDE Bootcamp for School Teachers

The goal of this boot camp is to initiate innovation, design, and entrepreneur skills among the youths of India. It is important for students and innovators to become job givers and creators rather than job seekers. The focus was to extend beyond completing the curriculum. Innovation is the key to the future of every nation, and it has the power to shape industries, leave a lasting impact on the world. This two day camp for Principals and teachers includes the talk by Innovator, startup founder , IP Expert and student Entrepreneur. The speakers for the event were,

SN	Speaker / Guest Name	Designation
1.	Dr. Saurabh Sinha	Founder and Managing Partner, Reinlabs Mumbai
2.	Dr. Hardik Joshi	CEO, Sardar Patel Technology Business Incubator, Mumbai
3.	Dr. Arun Pillai	Academician and Entrepreneur, PCE
4.	Mr. Tito Idicula	Co-founder Programming Hub, Programming Hub, Mumbai
5.	Mr. Akash Pera	Entrepreneur, WhatYouTech, Mumbai



BIS Session

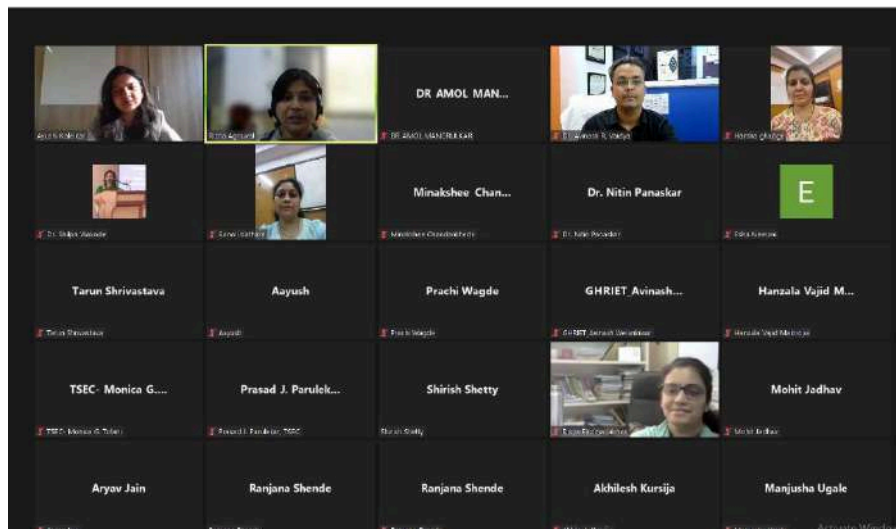


The Bureau of Indian Standards (BIS), the National Standards Body of India under the Ministry of Consumer Affairs, Food, and Public Distribution, plays a crucial role in ensuring consumer product and service quality and safety. PCE participated in the BIS Door-to-Door/Youth-to-Youth Campaign celebrating World Consumer Rights Day 2024 with the theme "Fair and Responsible AI for Consumers" from March 12 to March 15th, 2024. On the occasion of this momentous occasion, the institution rolled out the Quality Connect

campaign aimed at spreading awareness amongst the General masses about standardization and the protocols followed for various products in the Indian market. With regards to the Quality Connect Campaign, students are advised to take a video of themselves spreading awareness amongst the masses. Mr.Suyash, Standards Promotion Officer at the Mumbai Branch Office, delivered at the session to provide a detailed briefing about the campaign. The session gave valuable insights about the world of standardization, and horizons to be explored were widened.

How To Plan For Start-Up and Legal & Ethical Steps

Institute Innovation Council of Pillai College of Engineering, has organized a session on “How To Plan For Start-Up and Legal & Ethical Steps” under the MIC Mentor Mentee Program on 15th April, 2022 on an online mode. The speakers for the session were Mr. Sagar Ranshoor and Ms. Ayushi Kalelkar. Both the speakers delivered an excellent and informative session. Starting a new business venture involves more than just a great idea. It requires meticulous planning, adherence to legal requirements, and a strong commitment to ethical practices. The session equipped aspiring entrepreneurs with essential knowledge and strategies to navigate the early stages of launching a startup while ensuring compliance with legal frameworks and ethical standards.

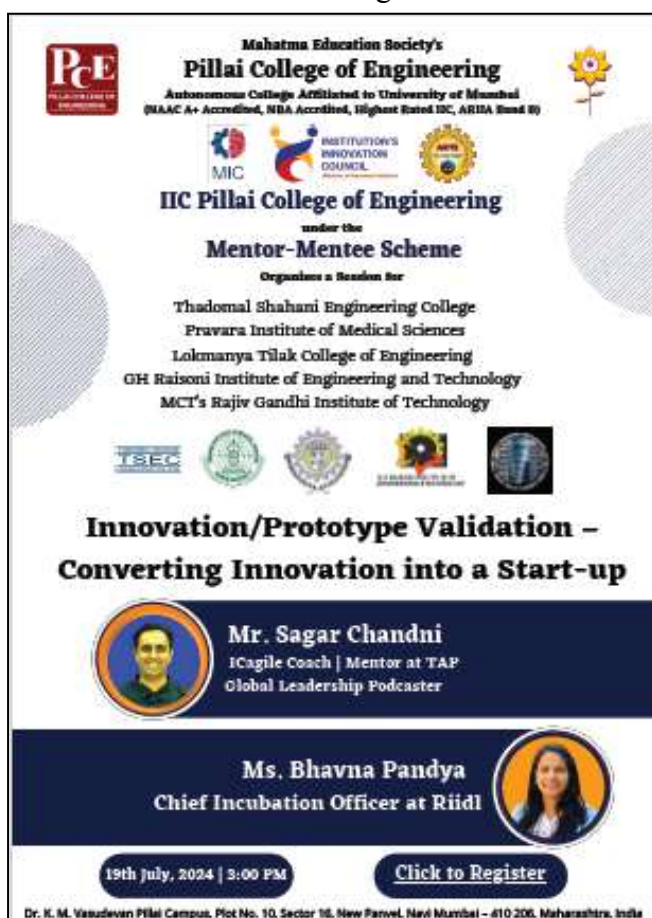


Quarter IV

SN	Event	Date	Speaker
1	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up	19th July, 2024	Mr. Sagar Chandni Ms. Bhavna Pandya
2	Innovation and Entrepreneurship Exposure Visit	8th-9th August, 2024	-

Session on Innovation/Prototype Validation – Converting Innovation into a Start-up

IIC PCE, has organized a session on “Innovation/Prototype Validation – Converting Innovation into a Start-up” under the MIC Mentor Mentee Program on 19th July, 2024 on an online mode. The speakers for the session were Mr. Sagar Chandani and Ms. Bhavna Pandya. for faculty and student participants from PCE and all Mentee institutes. Both the speakers delivered an excellent and informative session. Starting a new business venture involves more than just a great idea. It requires meticulous planning, adherence to legal requirements, and a strong commitment to ethical practices. The session aimed to equip aspiring entrepreneurs with essential knowledge and strategies to understand the process of Innovation/Prototype Validation and also converting Innovation into a Start-up.



Mahatma Education Society's Pillai College of Engineering
Autonomous College Affiliated to University of Mumbai
(NAAC A+ Accredited, NBA Accredited, Highest Rated IC, ARIMA Band B)

IIC Pillai College of Engineering
under the **Mentor-Mentee Scheme**
Organizes a Session for

Thadomal Shahani Engineering College
Pravara Institute of Medical Sciences
Lokmanya Tilak College of Engineering
GH Raisoni Institute of Engineering and Technology
MCT's Rajiv Gandhi Institute of Technology

Innovation/Prototype Validation – Converting Innovation into a Start-up

Mr. Sagar Chandni
ICagile Coach | Mentor at TAP
Global Leadership Podcaster

Ms. Bhavna Pandya
Chief Incubation Officer at Riid

19th July, 2024 | 3:00 PM [Click to Register](#)

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



Mahatma Education Society's Pillai College of Engineering
Autonomous College Affiliated to University of Mumbai
(NAAC A+ Accredited, NBA Accredited, Highest Rated IC, NIRF Innovation 121-200)

Innovation & Entrepreneurship Exposure Visit cum Training Program

Under Mentor - Mentee Scheme of Ministry of Education's Innovation Cell

We Welcome our Mentee Institutes

Thadomal Shahani Engineering College
Pravara Institute of Medical Sciences
Lokmanya Tilak College of Engineering
GH Raisoni Institute of Engineering and Technology
MCT's Rajiv Gandhi Institute of Technology

8th & 9th August, 2024

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

Innovation and Entrepreneurship Exposure Visit

The goal of the 2 day Innovation & Entrepreneurship Exposure visit organised by IIC PCE on 8th and 9th August was to help the mentee institute in creating Innovation, IP, Entrepreneurship, pre-incubation and Incubation facility and also support in IPR filing & management, start-up services and policy mechanisms. The schedule of the event was as follows:

Day & Date	Time	Details
Thursday, 8th August, 2024	9.30 am to 10.30 am	Registration & Breakfast
	10.30 am to 11.00 am	Inaugural Session Welcome Address by Principal
	11.00 am to 12.00 pm	Expert Session by Dr. Priam Pillai COO, MES 'Pre-incubation and Incubation'
	12.00 pm to 1.00 pm	Expert Session by Mr. Vishal Thakkar Co-founder, Contetra Universal LPP 'Legal Framework for Startups in India'
	1.00 pm to 2.00 pm	Lunch
	2.00 pm to 4.30 pm	Visit to Pre Incubation & Incubation facilities and Interaction with the faculty members
	4.30 pm to 5.00 pm	Tea
Friday, 9th August, 2024	9.30 am to 10.30 am	Expert Session by Mr. Nishant Ravle Founder & Director of Ravle Consultancy Service Pvt Ltd & TechNeeti LLP 'Fintech Startup & Startup Financing'
	10.30 am to 11.00 am	Breakfast
	11.00 am to 12.00 pm	Expert Session by Mr. Saurabh Sinha Founder & Managing Partner, Reinlabs 'How to convert campus that creates successful Innovation & Entrepreneurship'
	12.00 pm to 1.00 pm	Expert Session by Dr. Arun Pillai Academician and Entrepreneur 'Can anyone become an Entrepreneur?'
	1.00 pm to 2.00 pm	Lunch
	2.00 pm to 4.00 pm	Interactive Session by Dr. Celina Joy & Dr. Betty Sibi 'Building an Entrepreneurial Mindset'
	4.00 pm to 4.30 pm	Valedictory Session
	4.30 pm to 5.00 pm	Tea

Venue: 6th Floor Mini Auditorium

**Innovation & Entrepreneurship
Exposure Visit cum Training Program**
(Under Mentor-Mentee Scheme of IIC Institutions)

8th and 9th August 2024



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)



AICTE
(All India Council of Technical Education)



Ministry of Education's
INNOVATION CELL
(GOVERNMENT OF INDIA)

Organized at
Mahatma Education Society's
Pillai College of Engineering
*Autonomous College - Affiliated to University of Mumbai
(NAAC A+ Accredited, NBA Accredited*, Highest Rated IIC)*



PCE
PILLAI COLLEGE OF
ENGINEERING
AUTONOMOUS



Training and Placement Cell

Sr. No.	Name of Event	Date Conducted	Speaker
1	Victor of Acrotrend	27th August, 2023	Kartik Chauhan
2	Victor of Hexaware	3rd September, 2023	Pratik Badgujar
3	Hackathon to Hire part-1	22nd September, 2023	Niraj Mewada and Akash Dhule
4	Hackathon to Hire Part-2	23rd September, 2023	Mr. Abhishek Desai and Mr. Kaiwalya Acharya
5	Passport to knowledge	12th October, 2023	Mr. Sumedh Bhalerao
6	Victors of 63 Moons Technology	22nd October, 2023	Miss Sarita Mourya and Miss Snehal Yewale
7	Enhance Engineering with MBA	27th October, 2023	Mr Vishwajeet Dhuppe (IIM-K), Mr Sanket More (IIFT) and Mr Shubham Maheshwari (JBIMS)
8	How to crack an Internship	17th December, 2023	Mr. Sudarson Halder
9	INSPIRIA 3.0 (2024)- Linked-In and Life Mastery	24th January, 2024	Mr. Sumersingh Rajpurohit
10	INSPIRIA 3.0 (2024)- Its none all of your business	25th January, 2024	Mr. Sanket More
11	Mock Placements	14th March, 2024	Dr. Prashant Lokhande
12	Mastering Aptitude test	17th March, 2024	Dr. Prashant Lokhande
13	Give wings to your higher education	19th April, 2024	Mrs Sarika Balchandani

Victor of Acrotrend

On August 27th, 2023, the Training and Placement Committee of Pillai College of Engineering (TPC-PCE) hosted a webinar on one of its famous series in the continuation “Victor of Acrotrend”. The guest speaker was Kartik Chauhan, a trainee software engineer at Acrotrend, a leading customer insights and analytics company. The webinar was hosted by Jatin Vaswani.



Kartik Chauhan shared his own experience of working as a trainee software engineer at Acrotrend and how he applied his skills and knowledge to solve real-world business problems for clients across various domains and industries. He highlighted the challenges and opportunities in the field of customer analytics and encouraged the students to pursue their career aspirations in this domain. He also gave some tips and advice on how to prepare for the interview process at Acrotrend, and what skills and competencies they look for in candidates.

Victor of Hexaware

On 3rd September, 2023, session was addressed by Dr. Prashant Lokhande, our TPO. Pratik Badgujar talked about his experience being a Graduate Engineer Trainee at Hexaware and the placement process he went through to get shortlisted & selected. The speaker briefed the selection process that takes place at Hexaware. He shared tips about the various ways a candidate can ace an interview and the technical topics the students must be prepared for beforehand according to the company’s requirements. He briefed us about certain technologies that Hexaware currently uses and the changing nature of the business landscape due to advances in AI and various technologies that the candidates, in the future, will have to adapt to.



Hackathon to Hire Part-1

TPC-PCE hosted yet another successful event, a webinar in online mode for our PCE students regarding placements through Techgium. The event commenced at 10:30 AM IST, with our host Jain Vaswanin who welcomed the speakers, Niraj Mewada and Akash Dhule- Associate Engineers at L&T Technology and service, our alumni who got placed via the L&T Techgium hackathon that would take hold of the session. Dr. Prashant Lokhande Sir, our TPO then addressed the session and embraced us with some insightful knowledge.



The event began with Mr. Akash Dhule giving a basic overview as to how the process goes about. He mentioned the requirements for the hackathon and proceeded to explain the phases of the 7th edition of LTTS that began on 11 September 2023. The jury members consist of industry experts and students are judges based on the interpersonal skills, research and knowledge. There are a total of five stages wherein the students should have an abstract of their problem statement. Mr. Niraj Mewada carried on the session and gave his insights into the aptitude section of the test followed by the technical and HR rounds in offline mode. The working prototype of the concept would be the most important aspect and the major judgement of the presentation would be the idea's potential to be executed and its practicalities to be industry relevant.

Hackathon to Hire PART-2

TPC-PCE continuing to host its "Victor" series was joined by our alumni from 2023, the speakers Mr. Abhishek Desai and Mr. Kaiwalya Acharya who are both from the Mechanical departments had some invaluable inputs from their experience in the L&T-Techgium Hackathon. Speaker Mr. Kaiwalya then gave a detailed description of the enrolment and eligibility criteria for various stages of the L&T TECHgium and later added some key advice from his personal experience. He also shared some in-hand experience from his interview and training experience in Reliance Industries and what is expected from a budding engineer in the professional sphere with the additional help and exposure gained from hackathons.



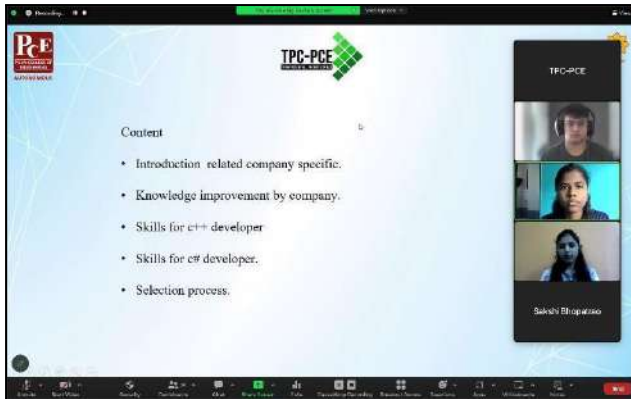
The event was then carried on by Mr. Abhishek who he added on to his fellow speaker and gave insights and mistakes students tend to make while participating in hackathons. He then went on to explain the hurdles in current placements and the market with insights into his personal experience in L&T, the expectations of tech companies, how to prepare for interview rounds, why participate in Hackathons, and the advantages of participating in such hackathons.

Passport to Knowledge



TPC-PCE, in its efforts to spread awareness about the various opportunities for students after their Under-Graduation, conducted a study abroad seminar in collaboration with 'Live at Campus'. The session started with an introduction of the speakers and the founders of 'Live at Campus' Mr. Sumedh Bhalerao an ex-Microsoft, ex-Google, CEO of C-32 labs and CTO Rupin Finance and Mrs. Tanvi Kangane. The speakers talked in detail about the current market for education abroad and why it was the best time to study abroad, explaining in depth about the advantages of doing so and how living at Campus can be a great asset for their preparation. The seminar was then conducted by Miss Tanvi Kangane who shared her insights on how Live at Campus can assist the students in realising their dream and ensure that they have a smooth transition to study abroad and explained in depth their motto- "Answering *how, why and where*". Students were then offered scholarships based on their scores on an aptitude exam to be conducted later.

Victors of 63 Moons Technology



TPC-PCE continuing its “Victor” series was joined by our alumni Miss Sarita Mourya and Miss Snehal Yewale from 2023 who currently work at 63 Moons Technology and gave some invaluable insights and experience of world culture and learnings throughout their journey. Miss Sarita Maurya gave her insights on how C++ was instrumental in achieving a position in the firm and the steps one can take to be more efficient in the language and what questions, projects and tools are necessary as a student to explore.

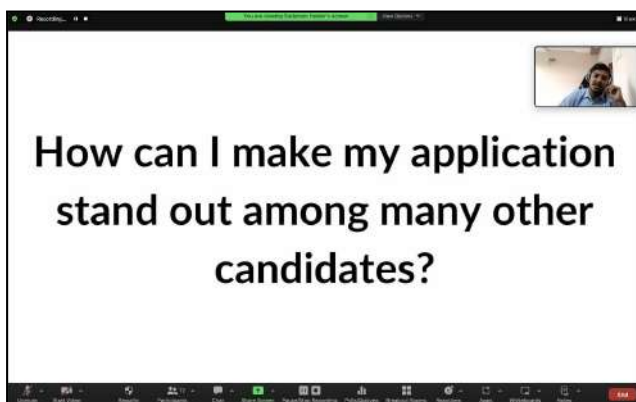
Enhance Engineering with MBA



TPC-PCE in its efforts to help students gain more awareness about the post-engineering courses conducted a very informative seminar in association with ‘CAT credentials’. The event started with the introduction of ‘CAT credentials’ and the speakers Mr Vishwajeet Dhuppe (IIM-K), Mr Sanket More (IIFT) and Mr Shubham Maheshwari (JBIMS). The speakers started by explaining the importance of Business administration after Engineering and why many professionals are opting for the same. They then explained the branches of MBA which are marketing,

branding, advertising and administration as different options one can opt for while studying and working.

HOW TO CRACK AN INTERNSHIP



The event was designed to guide students in attracting companies, building connections, and navigating the complex internship landscape with personalized inputs from the speaker’s learnings. Mr. Sudarson Halder, the Technical Head at Campus Credentials, as the guest speaker, gave valuable insights into the intricacies of the professional sphere. He shared valuable insights into the technical and academic prerequisites companies seek in potential interns. The seminar addressed

the common concern of making applications stand out among numerous candidates. The seminar explored the specific skills and qualities employers typically look for in internship

candidates, shedding light on the attributes that enhance candidate appeal. Strategies for balancing academics and internships were discussed, offering insights on time management and prioritization to ensure success on both fronts. The seminar highlighted the significance of networking in securing internships, offering practical tips on building professional networks to increase opportunities. Mr. Sudarson Halder talked about the tough choice between getting paid or not for internships. He gave advice to help students decide what's best for them, considering their goals and situation. Students got advice on how to spot fake or tricky internship offers, making sure they have a safe and trustworthy internship experience.

INSPIRIA 3.0 (2024)-Linked-In and Life Mastery

TPC-PCE in continuing its legacy began its two-day mega “INSPIRIA 3.0” event with Mr Sumersingh Rajpurohit being the guest speaker for the day who has mentored and helped over a million students through his youtube channel “Last Moment Tutions” and in his session gave insights into Linked-In, placements, academic balance and his journey as a youtube icon. Speaker gave a motivational talk on his personal youtube journey and how teaching others in his college prepared him as an individual. Later in the session, he explained what exactly Linked-In was and how to navigate through it carefully yet skilfully, he also gave some tips to upgrade one’s profile and how to approach an internship or a job at any company HR. He went on to emphasise the importance of projects in the process and how they can completely change one’s resume. He also discussed how the projects related to the domain will give you a boost and put you ahead in the picture.

INSPIRIA 3.0 (2024)- It’s ~~NONE~~ all of your Business

TPC-PCE once hosted a remarkable session of INSPIRIA 3.0, delivering an enriching blend of inspiration and learning for the students. Mr. Sanket More, co-founder of CAT Credentials who is a renowned expert in financial management, was the guest speaker and provided students with invaluable insights through his session.. The event aimed to inspire and educate students on financial literacy. Mr. Sanket More took the stage, redirecting the focus from the conventional business discourse to a super informative and refreshing perspective, especially relevant for engineering students.



Mr. More's expertise in the field of finance resonated with the students, shared valuable knowledge and insights with engineering students, providing them with a unique perspective on business and financial skills who are venturing into the business realm or startup aspirations. Students had access to various financial topics, from basic principles to advanced strategies. The event successfully delivered on its promise to elevate the financial IQ of the participants.

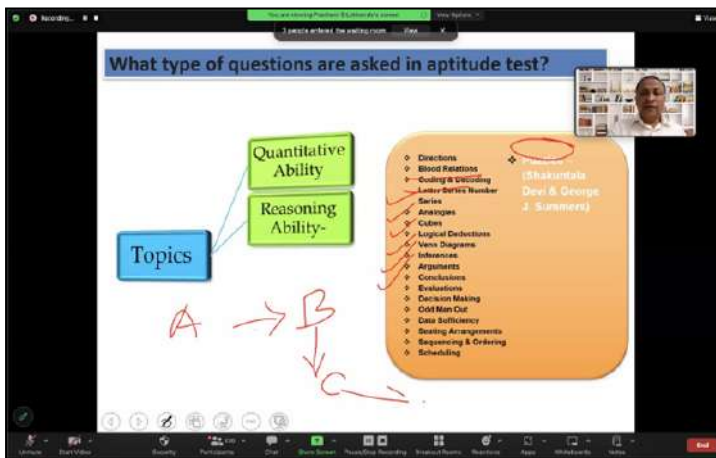
Mock Placements



TPC-PCE organized a mock placement experience aimed at equipping aspiring professionals with the necessary skills and insights to succeed in the competitive job market. The event commenced with an online Aptitude Test. Students were allocated 45 minutes to complete the test, which assessed their analytical, quantitative, and problem-solving abilities. The test was conducted in college labs to ensure a controlled environment conducive to fair assessment. Participants who successfully passed the Aptitude Test proceeded to the Group Discussion round. During this phase, students were

assigned topics and engaged in a 10-minute discussion session. The aim was to evaluate their communication skills, critical thinking, and ability to articulate ideas effectively in a group setting. Following the Group Discussion, selected candidates advanced to the final stage of the mock placement which was the Interview Round, where they faced interviews conducted by college faculty.

Mastering Aptitude test



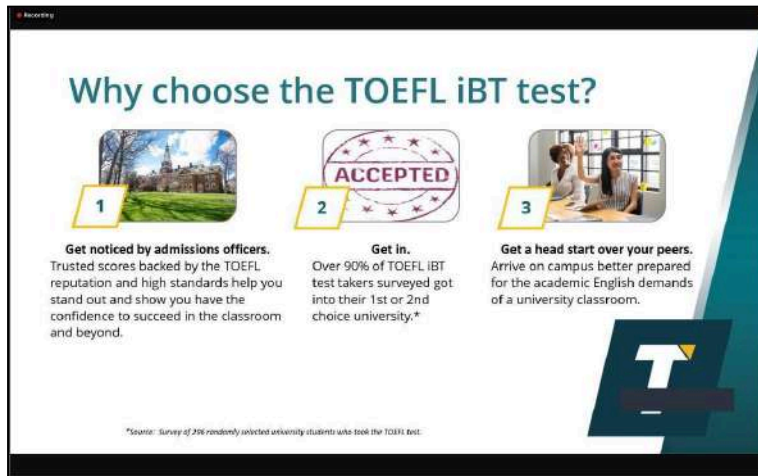
TPC-PCE in its effort to help students with the placement drives and assist them in their preparations for the placement rounds conducted a webinar about how to approach the syllabus and the common problems for an engineering student. The event was kick-started by our respected sir by welcoming everyone and explaining in brief about the various rounds in the placement drives namely aptitude test, group discussions, technical round, HR

round. The topics like Quantitative aptitude, logical reasoning, Verbal activity, and coding and computer skills and puzzles and problem solving abilities etc.

Give wings to to your higher Education- Dream abroad

TPC-PCE in its continuing effort to empower and aware students with opportunities beyond graduation and open new paths to them conducted a webinar in association with ETS India with guest speaker Mrs Sarika Balchandani an expert in GRE and TOEFL.

Speaker first explained the TOEFL exam in depth going into the exam format, frequency, test scores and most importantly the acceptance of the exam by universities around the world from different fields of education. Following TOEFL she moved onto GRE which is another



Why choose the TOEFL iBT test?

- 1** **Get noticed by admissions officers.**
Trusted scores backed by the TOEFL reputation and high standards help you stand out and show you have the confidence to succeed in the classroom and beyond.
- 2** **Get in.**
Over 90% of TOEFL iBT test takers surveyed got into their 1st or 2nd choice university.*
- 3** **Get a head start over your peers.**
Arrive on campus better prepared for the academic English demands of a university classroom.

*Source: Survey of 296 randomly selected university students who took the TOEFL test.

internationally accepted exam by universities. GRE is a more logical-reasoning exam compared to TOEFL which is a more language centric exam testing the linguistic mastery of a student over English. After explaining about the two exams she compared them from the perspective of an Engineering student and which exam, if given the choice to select, would be a better fit to give. In the closing stages of the webinar she gave her view and advice that being an

engineering student giving GRE won't be that tough given the course requirements are the same and that the choosing process of the exam should include not only the personal student condition but also the country, university and college they are targeting.

National Programme on Technology Enhanced Learning (NPTEL)

NPTEL is an online platform that offers courses in science, technology, engineering, and mathematics (STEM) at the university level. It is a joint venture between the Indian Institutes of Technology (IITs) and the Indian Institute of Science (IISc). 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 be acquired at free time.

Participant Enrolment Details - July 2023 to December 2023

Sr. No.	Detail	Nos.
1	Students Enrolled	21
2	Registered for Certification Exam	7
3	Passes the Certification Exam	7

Participant Enrolment Details - January 2024 to April 2024

Sr. No.	Detail	Nos.
1	Students Enrolled	62
2	Registered for Certification Exam	25
3	Passes the Certification Exam	14

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. All the students enrolling for the training of the FOSS through Spoken Tutorials receive a certification of participation from Spoken Tutorial IIT Bombay and a certificate of Completion after qualifying the exam for the same. The details of the Courses conducted are mentioned below:

SN	Name of the FOSS	Coordinator	Duration	Participants
1	PHP & MySQL	Prof. Dhiraj Amin	December 23	31
2	Python	Prof. Dhiraj Amin	December 23	28
3	HTML	Prof. Dhiraj Amin	December 23	1
4	R	Prof. Dhiraj Amin	December 23	1
5	JAVA	Prof. Dhiraj Amin	December 23	1
6	Arduino	Prof. Sweta Waghmare	June 24	17
7	Flask	Prof. Dhiraj Amin	June 24	21
8	HTML	Prof. Dhiraj Amin	June 24	151
9	Java	Prof. Supriya, Prof. Florenc	June 24	210
10	PHP and MySQL	Prof. Dhiraj Amin	June 24	108
11	Python	Prof. Jisha S., Prof. Deepa, Prof. Manisha	June 24	180
12	QCAD	Prof. George V	June 24	2
13	R Programming	Prof. Sweta Waghmare	June 24	14

Student Welfare Schemes

The Institute has introduced various enrichment programs to support students in extracurricular and co-curricular activities as well as in research and innovation. This helps in addressing barriers to academic and non-academic growth through financial assistance, mentorship, research programs and internship opportunities. These initiatives include:

1. **Financial Support for Co-curricular Activities:** A budget of ₹10 lakh has been allocated.
2. **Mentorship for Extracurricular and Co-curricular Activities:** Personalized guidance for student participants.
3. **Undergraduate Research Opportunity Program (UGROP):** ₹5 lakh has been allocated for research-focused undergraduate initiatives.
4. **Support for Research and Development Activity (SRDA):** ₹12 lakh has been earmarked for promoting research and development projects.

Beneficiaries:

- Car Racing Teams: Supported for competitions and innovation.
- Youth Festival Participants: Encouraged to showcase talent.
- UGROP: Two undergraduate students benefited.
- SRDA: Eight undergraduate research projects supported.

8. Student Chapter Activities

AESA-MESA

Automobile Engineering Students Association - Mechanical Engineering Students Association



Sr No	Event Name	Date
1	Anchor Plywood Mfg. Co. Pvt. Ltd. Industrial Visit for SY Students of Mech & Auto	28/08/2023
2	MATLAB Alegria workshop	15/09/23
3	MATLAB Alegria Competition	16/09/23
4	Central Railway Loco Workshop Industrial Visit	23/10/23
5	Space talk - Overview of Indian Space Research Organization (ISRO)	16/02/2024
6	IDEMI industrial visit for SE Mechanical Students -	08/03/2024
7	Alumni talk - Career Opportunities in Oil & Gas Sector	13/03/2024
8	EV Modelling using MATLAB Alegria Event	23/03/2024
9	MEMS IV	01/03/2024 02/03/2024

Industrial Visit



Industrial Visit to Anchor Plywood Mfg. Co. Pvt. Ltd. was organized by AESA MESA, PCE for the students of SE Mechanical & Automobile. The group of 45 Students and 2 Faculty Members visited the company. This industrial visit Learned about the machines that were used in the manufacturing process, and various types of plywood. Materials that are to be used, there were some

machines where the temperature and pressure had to be specific, and what chemicals to use was understood during the visit. Impressive knowledge was shared by the workers and staff about materials. The experience gave an invaluable knowledge of the manufacturing process.

MATLAB Alegria workshop



The AESA-MESA committee organized a Session on Electric Powertrain using MATLAB in Tech Alegria Event. MATLAB Simulink is a powerful tool widely used for modelling, simulating, and analysing dynamic systems. The Electric Vehicle (EV) modelling session in MATLAB Simulink organized by AESA- MESA in Tech Alegria Event offers a comprehensive approach to design, simulate, and analyses EV performance. Beginning with system architecture definition, it integrates accurate battery models, motor, controller, and vehicle dynamics simulations. Controllers manage

power flow and optimize energy utilization, enhancing vehicle efficiency and stability. Simulation evaluates performance metrics like range, acceleration, and energy consumption across varied conditions. Sensitivity analysis provides insights into model robustness, identifying critical design factors. Overall, this session equips engineers with tools to develop advanced EV systems meeting performance, regulatory, and sustainability goals, thus contributing to electric mobility advancement.

MATLAB Alegria Competition



AESA MESA committee successfully organized a competition on Electric Powertrain using MATLAB. On September 16, 2023, the Electric Powertrain competition took place at venue J – 201 as part of the Tech Alegria event. This competition was organized by the AESA-MESA committee, attracting a total of 20 student participants who showcased their expertise in Electric Powertrain using MATLAB. The competition provided a platform for students to demonstrate their knowledge, creativity, and problem-solving abilities in the realm of electric powertrain systems, contributing to the overall

success of the Tech Alegria event.

Central Railway Loco Workshop Industrial Visit



On 23th of October, 2023, the AESA MESA Committee organized an industrial visit for the TE Mechanical and Automobile Engineering students to the Central Railway Loco Workshop in Parel, Mumbai. The visit aimed to provide students with practical exposure to locomotive maintenance, repair, and operations, supplementing their theoretical knowledge with real-world applications.

It provided the students with a thorough understanding of locomotive maintenance and repair processes, offered insights into industrial practices, and showcased potential career paths in the field of mechanical and automobile engineering. Such visits are crucial in bridging the gap between theoretical knowledge and practical application, and we look forward to organizing similar educational excursions in the future. Overall, the visit was a fulfilling experience, enriching the students' understanding of industrial operations & preparing them for their careers ahead

Space talk



AESA - MESA in collaboration with ISRO(IIRS) Outreach Network Coordinator Dr. Karthik Nagarajan has successfully conducted a Space Talk for All department students on 16/02/2024. Dr. Karthik Nagarajan discussed the intricate process of designing space missions, emphasizing the technological brilliance

behind ISRO's missions. This space talk provided attendees with a captivating exploration of ISRO's achievements and the intricacies of space mission design. The session highlighted the entrepreneurial spirit driving innovation within ISRO and showcased potential career opportunities in the space sector. Overall, the talk inspired curiosity and encouraged further exploration of the exciting world of space technology and exploration

The Industrial Visit to IDEMI

AESA-MESA in collaboration with Institute for Design of Electrical Measuring Instruments (IDEMI) has successfully conducted an Industrial Visit for SE Mechanical Students. The Industrial Visit to IDEMI provided students with invaluable exposure to industrial machinery & processes. It allowed them to bridge the gap between theoretical knowledge & practical applications in the field of Mechanical Engineering. The hands-on experience gained during the visit will undoubtedly benefit students in their future endeavors within the industry. Overall, the visit was a fulfilling experience, enriching the students' understanding of industrial operations & preparing them for their careers ahead



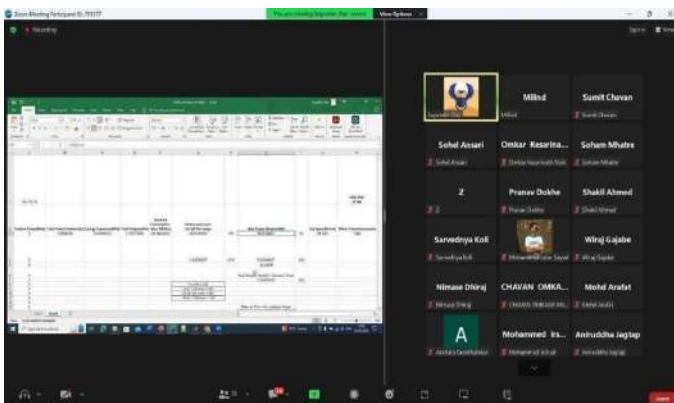
Alumni talk



AESA-MESA in association with IIC and the Speaker **Mr. Chandan Kumar Sahas** successfully conducted an Alumni Talk for Mechanical & Automobile department students. The Alumni talk on “Career Opportunities in Oil & Gas Sector” proved to be an enlightening and enriching experience for the second & third-year Mechanical & Automobile students. Mr. Chandan Kumar Sah’s expertise, coupled with the insightful discussions,

provided students with invaluable guidance for charting their career paths in the dynamics and lucrative oil & gas industry. The event underscored the importance of alumni engagement and mentorship in nurturing the professional development of students, paving the way for a promising future generation of industry leaders.

EV Modelling using MATLAB Alegria Event



AESA-MESA and the Speaker **Mr. Supratim Das** have successfully conducted an Online Session on EV Modelling using MATLAB for students. The AESA-MESA committee organized a Session on EV Modelling using MATLAB in Alegria Event. MATLAB Simulink is a powerful tool widely used for modelling, simulating,

and analyzing dynamic systems. It provides a graphical interface for building block diagrams, making it intuitive for engineers and researchers to design complex systems. The Electric Vehicle (EV) modeling session in MATLAB Simulink offers a comprehensive approach to design, simulate, and analyze EV performance. Beginning with system architecture definition, it integrates accurate battery models, motor, controller, and vehicle dynamics simulations. Controllers manage power flow and optimize energy utilization, enhancing vehicle efficiency and stability. Simulation evaluates performance metrics like range, acceleration, and energy consumption across varied conditions. Sensitivity analysis provides insights into model robustness, identifying critical design factors. Overall, this session equips engineers with tools to develop advanced EV systems meeting performance, regulatory, and sustainability goals, thus contributing to electric mobility advancement

Industrial Visit and Workshop MEMS IV



SPCOE Department of Mechanical, AESA-MESA organized industrial visit for the TE Mechanical and Automobile Engineering students. Two-Day Hands-on Workshop on Research Facility “Investigation of Fractal Growth on the curved surfaces in Hele-Shaw Flow”. Sardar Patel College of Engineering (Department of Mechanical Engineering) conducted a Two-Day Hands-on Workshop on Research Facility on “Investigation

of Fractal Growth on the curved surfaces in Hele-Shaw Flow” sponsored by Science and Engineering Research Board.

Computer Society of India (CSI)

List of events

Sr. No.	Name of the event	Date	Speakers
1	Web Weaving	September 14, 2023	–
2	Battle of Styles	September 15, 2023	–
3	Coding Essentials	October 15, 2023	Shivam Tripathi and Gaurish Baliga
4	ChatGPT Master Contest and Generative AI Seminar	October 19-22, 2023	Rachit Tandale, Om Surve, Kunal Wagh, and Vrushali Chaudhari
5	Ethical Hacking	January 13, 2024	Mr. Mayur Jadhav and Mr. Sayan Bhasak
6	UI/UX Design	February 2, 2024	–
7	Machine Learning	February 4, 2024	Mr. Tarun Behra and Mr. Aasheesh Chaudhary
8	Coder of the Year	March 8 and 11, 2024	–
9	Decoding Backend: Using JavaScript	February 17, 2024	Mr. Rachit Tandale and Mr. Pratham Yadav
10	Bytestream	March 15, 2024	–

Web Weaving



The Web Weaving Hackathon, held on September 14, 2023. This 6-hour offline competition featured 16 participants forming 8 teams, who worked on a pre-distributed problem statement. The teams showcased their problem-solving skills and creativity, with Professor Sangeeta Selvan serving as the judge. Her evaluation focused on originality, feasibility, and effectiveness of the solutions. The event concluded with a display of impressive projects, fostering an environment of collaboration,

innovation, and ingenuity. Participants left with new knowledge, valuable connections, and a sense of accomplishment, with positive feedback indicating a desire for more such events.

Battle of Styles



The Battle of Styles Competition, held on September 15, 2023, was a 4-hour design challenge. It featured 20 participants who created landing pages for categories like e-commerce, healthcare, and travel. Judged by Prof. Purna Kulkarni and Prof. Pooja Bhise, the designs were evaluated on aesthetics, ease of use, and theme fit. The event fostered a lively atmosphere,

encouraging creativity and collaboration among students. The competition was a success, showcasing students' web design skills and receiving positive feedback. CSI-PCE plans to host similar events in the future to continue promoting innovation and creativity.

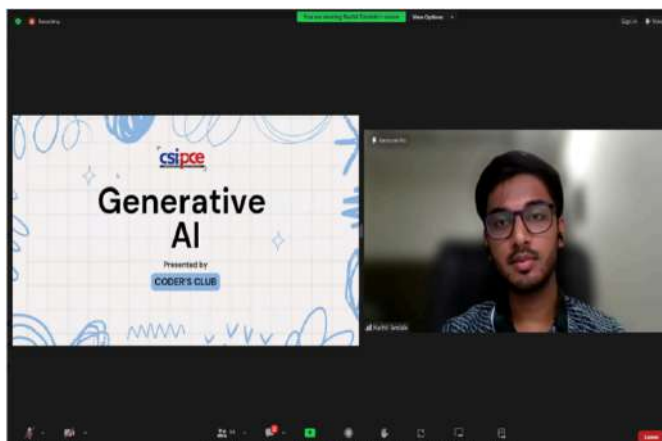
Coding Essentials



The Coding Essentials seminar, held on October 15, 2023. Conducted online, it featured speakers **Shivam Tripathi** and **Gaurish Baliga**, and was attended by 250 students. The seminar began with an address by Mayur Jadhav, followed by an introduction to Data Structures and Algorithms (DSA) and Competitive

Programming (CP). The speakers shared tips on implementing DSA concepts, learning resources, and extracurricular activities. The seminar was well-received, with participants expressing interest in similar future events.

ChatGPT Master Contest and Generative AI Seminar



The ChatGPT Master Contest and Generative AI Seminar was a multi-day event organized on 19th - 22nd October 2023. On October 19th, an online seminar titled “Generative Artificial Intelligence” was held, attracting 75 attendees. Speakers **Rachit Tandale, Om Surve, Kunal Wagh, and Vrushali Chaudhari** covered topics like prompt engineering, LLMs, AI, Machine Learning, Deep Learning, and ChatGPT backend workings. They also

shared their experiences and discussed learning resources, tools, mini-projects, and competitions. On October 20th, CSI-PCE hosted the “ChatGPT Master” contest for second and third-year students, held offline with 17 attendees. Another “ChatGPT Master” contest was conducted online on October 22nd for first-year students, with 13 attendees. Participants provided positive feedback and expressed interest in more such events organized by CSI-PCE.

Ethical Hacking



The Ethical Hacking workshop, organized on January 13, 2024, was held offline. Third-year IT students, **Mr. Mayur Jadhav and Mr. Sayan Bhasak**, led the session. The workshop attracted 108 participants, eager to learn about ethical hacking. Topics covered included Cyber Security basics, types of hackers, relevant laws, ethical hacking principles, OWASP Top 10 attacks,

and an introduction to Kali Linux. Emphasizing hands-on learning, participants engaged in coding and project-building activities, guided step-by-step by the speakers.

Volunteers from CSI-PCE and Alegria addressed queries throughout the session. Attendees appreciated the interactive and informative nature of the workshop, gaining valuable insights into ethical hacking and expressing interest in similar future events.

UI/UX Design



The UI/UX Design competition, organized on February 2, 2024, was held offline. The event, hosted by Shivam Tripathi and Anika Padmanabhan, attracted 51 participants.

Participants received the problem statements one hour before the contest, with eight different problems to choose from. Each participant had to design a solution for one of the problems. The designs were judged by the core design team based on

responsiveness, user-friendliness, and beginner-friendliness. Participants provided excellent feedback and expressed interest in attending more events organized by CSI-PCE.

Machine Learning



The Machine Learning workshop, organized on February 4, 2024, was an offline event. Third year Computer Department students, **Mr. Tarun Behra and Mr. Aasheesh Chaudhary**, served as speakers. The workshop attracted 42 participants eager to learn about Machine Learning. The session

started at 10:00 a.m. with volunteer assistance for registration, and Ms. P. Saishree introduced the speakers. The workshop covered Machine Learning concepts, types, and Python basics, including Python Libraries. Emphasizing hands-on learning, participants actively coded and built a Skin Condition Classifier web app using Flask, guided step-by-step by the speakers.

Volunteers from CSI-PCE and Alegria addressed queries throughout the session. Attendees appreciated the interactive and informative nature of the workshop, gaining practical skills and expressing interest in similar future events.

Coder of the Year



Leaderboard		Filter By		Sort By		Type questions to compare		
Rank	Team	Submit ID	Time ID					
1	vikash001	2	80	1:00:00	1:00:00	1:00:00		
2	yash01omp	3	85	1:00:00	1:00:00	1:00:00		
3	rishabh0000	2	100	1:00:00	1:00:00	1:00:00		
4	vishwan001	2	111	1:00:00	1:00:00	1:00:00		
5	ngprag01dev	-	-	1:00:00	1:00:00			
6	mayas020	-	-	1:00:00	1:00:00			

The Coder of the Year competition was organized on March 8th and 11th, 2024. The preliminary round, held online, saw 84 participants from various engineering departments. Mr. Shivam Tripathi and Ms. Anika Padmanabhan explained the contest rules and introduced the competition. Participants were divided into Rookie, Intermediate, and Expert groups based on their scores. The final showdown occurred

offline on March 11th, with 45 participants. The winners were Ajinkya Prashant Katke (Rookie), Shubham Jha (Intermediate), and Vinit Kumar Jha (Expert).

The competition enhanced students' problem-solving skills in areas like strings, arrays, and dynamic programming, boosting their confidence and improving their resumes. The event received excellent feedback, with participants eager for more such events.

Decoding Backend: Using JavaScript



The Decoding Backend: Using JavaScript workshop, organized on February 17, 2024 was an offline event. It was aimed at S.E. and T.E. students from the Computer, Information Technology, and Electronics and Computer Science departments. The workshop was led by third-year students Mr. Rachit Tandale and Mr. Pratham Yadav and attracted 19 participants. The session began with an introduction

by Mr. Mayur Jadhav. The speakers covered client-server architecture, types of handshakes, and the workings of requests and responses. Using Postman, they demonstrated backend functionalities with a pre-built API. Participants learned to set up backend logic, start servers, and create backend APIs for note-taking apps.

The workshop emphasized hands-on learning, with participants actively coding and building projects. Skills imparted included handling requests, testing endpoints, building controllers and routes, selecting databases, system planning, and API documentation. The workshop was well-received, with participants eager for more such events.

Bytestream



The Bytestream magazine launch event, hosted on March 15, 2024. This event hosted by fourth-year students Mr. Levin Viji and Ms. Reshma Gopinathan, the event attracted 380 attendees. It began with a traditional lamp lighting ceremony, followed by the unveiling of the Bytestream magazine, which featured technical articles and case studies. A new

CSI-PCE website was also launched, and artistic murals were revealed. Winners of various competitions, including the Coder of the Year and Smart India Hackathon, were honoured.



for their contributions to the event's success.

Special guest speakers, including industry experts, shared insights into new trends and advancements. The event highlighted the hard work of the CSI-PCE team and the support of sponsors. It concluded with a vote of thanks from Student Body Coordinator Mr. Dhiraj Amin, appreciating all participants, attendees, volunteers, and partners

DeepBlue

	<p>Deep Blue - Season - 9 (2023-24)</p> <p>Project Competition</p> <p>Organised by: Mastek</p>
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Project Deep Blue is an intercollegiate competition by Mastek, aimed at encouraging engineering students to tackle social problems through coding. The competition focuses on fostering "Deep Thinking," innovation, and awareness of social issues. It provides mentorship and industry exposure to students, preparing them to become future technology leaders and entrepreneurs. Deep Blue Season 9 was launched on September 9, 2023, on the Teams platform, and registration closed on October 7, 2023. 5 teams from PCE were selected to compete in Season 9, with 2 teams advancing to the semi-finals.

Details of Teams Participation	
Total Teams Registered from PCE:	15
Teams Selected from PCE:	5
Team Selected for semifinal from PCE	2
Team Selected for final from PCE	0

Problem Statements for Season 9 included:

1. Chatbot: FAQs from company's annual report
2. Finding a car parking spot at Mastek
3. Intelligent water flow monitoring and control
4. Reducing grain loss during storages
5. Smart luggage solution

Teams that made it to the semi-finals:

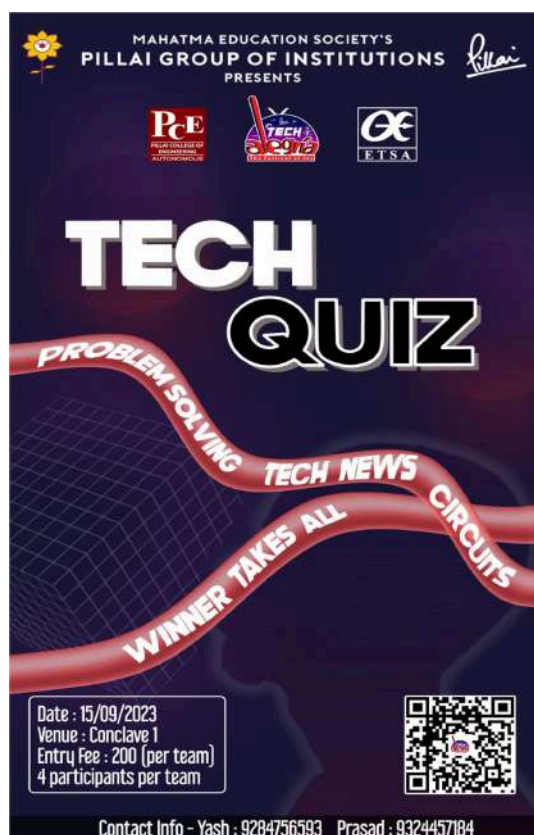
1. **Chatbot FAQs** – Sahil Pralhad Nikam, Vishnu Saseendran Nair, Mukesh Bhaskar Pilane, Prabhu Mohanlal Rokade
2. **Reduce Grain Loss** – Mansi Jasoria, Pratik Mishra

ETSA

Electronics and telecommunication student association

Sr. No	Name of Event	Date Conducted	Speaker
1	TECH QUIZ	15/09/23	–
2	POWER BI WORKSHOP	16/12/23	Pranjal Barve
3	UI/UX	29/01/24	–
4	CIRCUIT CRAFT	23/01/24	–
5	ETSA TALK	29/01/24	Mr. Advait Bakre, Mr. Shrinivas Iyer, Dr. Rajiv Kumar, Mr. Hutaib Adib.

Tech Quiz



ETSA-PCE organized a *Tech Quiz* in collaboration with Tech Alegria on September 15, 2023, to test participants' technical knowledge through a series of challenges. Held in the Conclave from 2:30 pm to 5:00 pm, the event featured three rounds on topics like circuitry, current tech affairs, and problem-solving. Participants, grouped into teams of three to four, were guided by ETSA volunteers who explained the rules and organized the flow.

The quiz consisted of three rounds:

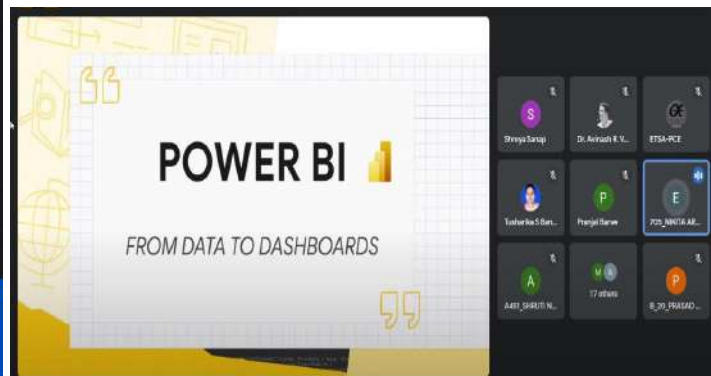
1. Round 1 – Questions on recent tech developments, which saw all 12 teams participating, with eight advancing.
2. Round 2 – Circuitry-based questions, with four teams moving to the final round.
3. Round 3 – A buzzer round in a *KBC*-style format, with high-stakes questions and a jackpot, determining the winners.

The event was lighthearted and interactive, with participants sharing stories and enjoying

performances. Faculty coordinators Dr. Tusharika Banerjee and Dr. Biswajit Panda encouraged students, emphasizing the value of such competitions for personal growth. Winners were celebrated with prizes, and Dr. Banerjee closed the event by thanking participants and ETSA members for a memorable experience.



Power BI Workshop

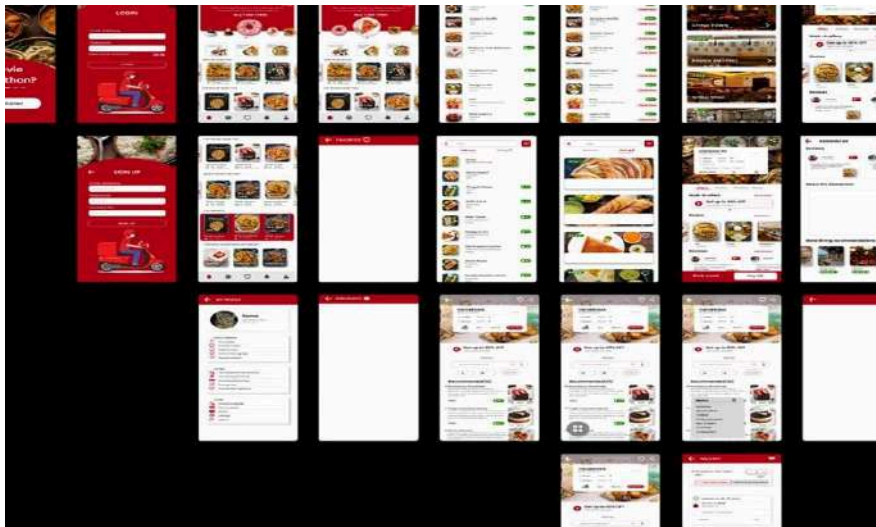


The “Power BI Workshop” was successfully hosted by the Electronics and Telecommunication Student Association (ETSA PCE) on Dec 16, 2023 at 10.00am to 2.00pm , in an online format for free via Google Meet. The workshop was made possible through the support of ETSA’s mentors Prof. Avinash Vaidya and DR. Tusharika Banerjee. The workshop aimed to educate the participants with the knowledge of Power BI software that converts data into visuals with advanced data analysis tools, AI capabilities, and user-friendly report-creation tools. “Power BI Workshop” was arranged to expose participants to the world of Data Analysts. Miss. Pranjal Barve is a former ETSA member and has successfully landed an

internship at Vodafone. Participants had the chance to learn useful skills and practical knowledge from this workshop, whose speaker is someone who is aware of current industry trends.

UI/UX Design Challenge

Event date and time: 20th January, 2024 at 12:00pm to 22nd January, 2024 at 12:00am



The ETSA PCE UI/UX Design Challenge was an exciting 36-hour endeavor that commenced at 12 pm, challenging participants to leverage their creativity and technical skills in crafting an intuitive mobile app interface for a food delivery service. The primary focus was on utilizing the Figma platform to ensure a standardized and

collaborative approach to design. Participants were tasked with prioritizing smooth menu browsing and order placement to enhance the overall dining experience for users.

The competition, which spanned 36 hours and concluded at 12 am the following day. Internet usage was permitted, allowing participants to draw inspiration from current design trends and access valuable resources to inform their creative process. (Figma interface of the winner student of UI/UX Challenge) UI/UX Design Challenge provided a thrilling and challenging environment for participants to showcase their skills, collaborate with peers, and push the boundaries of creativity in mobile app interface design. The combination of time constraints, a defined problem statement, and the use of Figma as a design tool ensured a dynamic and focused competition with valuable outcomes for all participants.

Circuit Craft

The *Circuit Craft Event*, organized by the Electronics and Telecommunication Student Association (ETSA PCE) on January 23, 2024, was a success. Held in an offline format in Room T302, the event was guided by mentors Prof. Avi Avinash Vaidya and Dr. Tusharika Banerjee. It aimed to test participants' circuit knowledge with a hands-on activity, where students were required to complete a circuit drawn on the board within a time limit. Committee members Shravani and Stuti provided step-by-step instructions, making the experience smooth and educational.

The event emphasized practical application of classroom concepts, and post-event surveys showed high satisfaction, with all participants appreciating the hands-on approach. Feedback included requests for more such practical sessions. The event concluded with

Shravani and Stuti addressing the participants, leaving a positive and lasting impact.



ETSA TALKS

The ETSA PCE annual event, *ETSA TALKS*, was held with a line-up of inspiring speakers, including Mr. Advait Bakre, Mr. Shrinivas Iyer, Dr. Rajiv Kumar, and Mr. Hutaib Adib. The event began at 3 pm with a lamp-lighting ceremony, followed by insightful talks. Mr. Bakre and Mr. Iyer from MAFS Global India LLP opened with motivational speeches that encouraged students to reflect on their career paths. Dr. Rajiv Kumar highlighted the impact of



engineering on healthcare, discussing innovations like surgical robots and AI systems for hospitals. Mr. Hutaib Adib shared his inspiring journey from a merchant navy officer to a dietitian, underscoring the importance of both health and academics. The event also featured the launch of *Cirkyte*, ETSA PCE's magazine, and concluded with an awards ceremony for the winners of the UI/UX Design Challenge and Circuit Craft competitions. Event coordinator Dr. Tusharika and Principal Dr. Sundeep Joshi gave closing remarks, emphasizing collaboration and the spirit of achievement. *ETSA TALKS* successfully blended motivation, recognition, and gratitude, reinforcing ETSA-PCE's commitment to community, creativity, and inspiration within PCE.

Google Developer Student Club (GDSC)

List of events:

Sr. No.	Name of the event	Date	Speaker
1	Google Cloud Study Jams	September 6 and 23, 2023	Bedant Hota
2	Code Hunt	September 15, 2023	–
3	Web Weaving Competition	September 15, 2023	–
4	GDSC Info Session	September 27, 2023	Anand Menon
5	Hacktober Connect	October 7, 2023	Savio Dias
6	TensorFlow ML Session	January 13-14, 2024	Mudassir Shaikh
7	Android Development	January 20 and 21, 2024	Aditi Chavan
8	Web application development using Javascript	January 21, 2024	Pranav Sunil, Bedant Hota
9	Flutter Workshop	March 13, 2024	Nirmiti Borole, Bedant Hota
10	Roadmap to DSA	March 16 and 17, 2024	Yash Dabhade

Google Cloud Study Jams (GCSJ)



The Google Cloud Study Jams (GCSJ) program, held on September 6th and 23rd, 2023, aimed to introduce students to the Google Cloud Platform (GCP) through interactive online

sessions, gamified learning, and hands-on labs. The interactive online sessions, led by facilitator Bedant Hota, 89 students participated, learning GCP fundamentals, core services, and practical applications. The program provided free access to a Google-certified GCP course, enabling students to further their knowledge and pursue industry-recognized certifications.

Key highlights include:

- Interactive sessions via Google Meet
- Use of generative AI games to engage students
- A free Google-certified GCP course for further learning
- A high 89% completion rate, reflecting the program's success in boosting GCP knowledge and skills.



Code Hunt:



Code Hunt aimed to showcase participants' coding skills, solve challenging problems, and promote collaboration and innovation. **Key Activities:**

- Participants solved problems of varying difficulty in areas like algorithms and data structures.
- Teams worked together to develop solutions to real-world problems.
- Industry experts conducted sessions on software development, emerging technologies, and career advice.

Highlights: The event featured multiple rounds of coding challenges, with **Shubham Jha** winning first place, followed by **Gaurish Baliga** and **Nihar Sudheer** in second and third places, respectively.

Outcomes:

- Attracted participants from various academic backgrounds.
- Helped participants enhance their coding skills and knowledge.
- Fostered teamwork and knowledge sharing.

Code Hunt was a successful event, providing a platform for participants to learn, compete, and collaborate in the tech community.

Web Weaving:



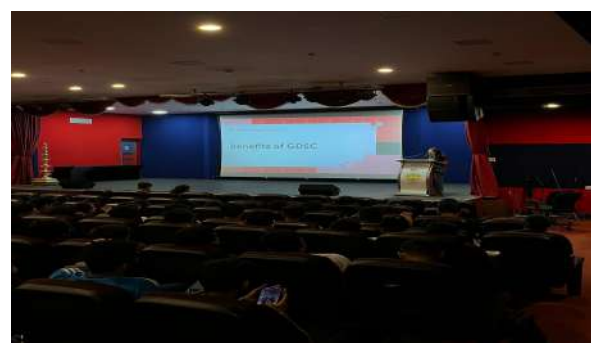
The Web Weaving workshop, held on September 15, 2023. This competition aimed to enhance participants' web development skills while fostering team collaboration and time management. Teams of 2-4 members were tasked with creating websites from scratch on diverse topics such as e-commerce platforms, educational portals, and entertainment sites.

Participants developed functional, visually appealing websites and presented them to a panel of judges who assessed their work based on design, user experience, functionality, and topic relevance. Prizes were awarded to the top teams.

The event was a success, offering students a hands-on learning experience, encouraging creativity, and promoting teamwork. Participants gained practical web development skills and collaborated to solve challenges, leading to an enriching experience in coding, design, and user experience optimization.

GDSC Info Session:

On September 27, 2023, GDSC PCE hosted an informative session for first-year students to introduce them to the GDSC community, its mission, and the opportunities it offers. The session aimed to familiarize students with the club's objectives, highlight its past achievements, and explain the benefits of becoming a member.

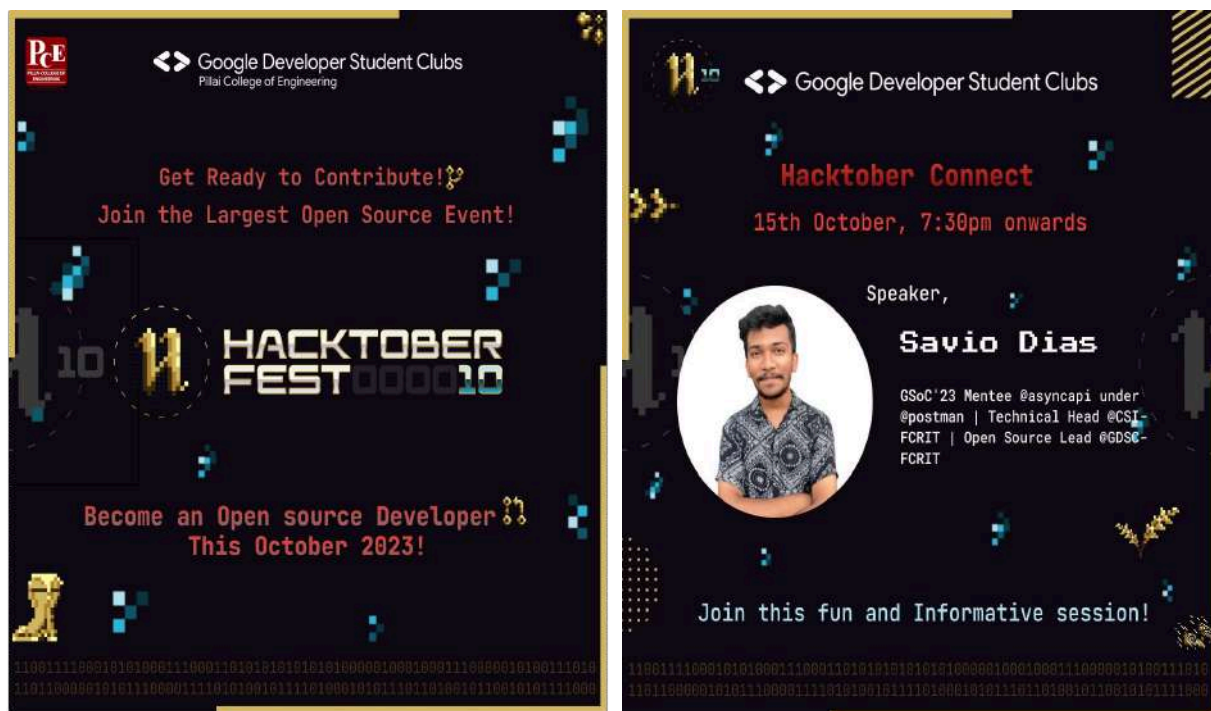


The event began with a warm welcome and a detailed overview of GDSC PCE's mission to equip students with essential skills for success in technology. Opportunities available to first-year students were also discussed, followed by a showcase of previous events organized by GDSC PCE. Overall, the event was a success, providing first-year students with valuable insights and encouraging them to actively participate in the GDSC community.

Hacktober Connect:

The Hacktoberfest was held on 7 October, 2023. It introduced participants to Open Source and provided an informative session on Git and GitHub. Participants learned how to contribute to the fest and the benefits of doing so. The event ran until October 31, 2023, featuring a 40-minute session where GDSC PCE members explained how to collaborate and contribute using GitHub repositories provided for small projects and bugs.

On October 15, 2023, GDSC-PCE hosted Hacktober. During the event, participants used GitHub repositories to complete pull requests within a set time. A highlight of the session was a talk by Savio Dias, a Google Summer of Code (GSoc) 2023 mentee. The event concluded with the distribution of a website containing various repositories for the fest. The event successfully introduced students to Open Source concepts, encouraged collaboration, and promoted contributions to project development.



TensorFlow ML Session:

On January 13-14, 2024, a two-day machine learning workshop was held, offering an in-depth exploration of machine learning and deep learning concepts, with a focus on TensorFlow. The first day began with an introduction to generative AI models like GPT-3 and DALL-E, followed by foundational lessons on supervised and unsupervised learning, and the Python library Pandas for data preprocessing. Participants also learned about deep learning fundamentals, including neural networks and architectures like CNNs and RNNs. A project demonstration showed real-world machine learning applications using TensorFlow.



The second day emphasized computer vision and image processing using deep learning techniques. Participants delved deeper into CNNs for image classification, object detection, and image segmentation. A session on image preprocessing techniques was also held. Towards the end, a solution challenge allowed participants to apply their knowledge to solve machine learning problems related to computer vision.

The workshop also addressed AI ethics, discussing responsible AI development and ethical guidelines. By the end, participants gained both practical skills and ethical insights needed for machine learning and deep learning.

Android Development:



On January 20-21, 2024, GDSC-PCE welcomed newly admitted freshmen (FE students), offering them an introduction to the community's tech and innovation culture, sparking their enthusiasm for future participation. Alongside this, GDSC-PCE hosted a 2-day Android Development Session led by Aditi Chavan via Google Meet. The event provided hands-on experience in Android app development, catering to both beginners and experienced coders.

Through interactive workshops and demonstrations, participants learned the fundamentals and advanced techniques of Android development. Aditi Chavan provided personalized guidance, helping attendees gain practical skills through hands-on activities. The session also fostered collaboration and networking, encouraging knowledge sharing and creating lasting connections among participants. Overall, the event

successfully equipped attendees with valuable Android development skills while building a sense of community and paving the way for future collaborations.

Web application development using Javascript:



On January 21, 2024, GDSC-PCE, in collaboration with the Alegria Committee, hosted an event titled "Web App Development Using JavaScript." The event aimed to teach participants the fundamentals of web development and practical JavaScript skills for creating dynamic web applications. The session began with an introduction to web development principles, covering front-end and back-end technologies, client-server architecture, and JavaScript's role in enhancing user interactivity. Participants were introduced to essential tools like HTML, CSS, JavaScript frameworks, and version control systems. A dedicated session focused on JavaScript fundamentals, including variables, data types, functions, and DOM manipulation, with hands-on activities to reinforce learning. The event concluded with participants showcasing their projects, developed during the exercises. Overall, the event successfully equipped attendees with practical web development skills, empowering them to confidently start their journey in web app development.

Flutter Workshop:



On March 13, 2024, the Flutter Workshop introduced participants to the fundamentals of Flutter by guiding them through the creation of a functional BMI Calculator app. The event, led by Bedant Hota and Nirmithi Borole, began with an overview of native development, followed by an introduction to Flutter and its applications. Key concepts such as Dart basics and the widget system were covered, with participants setting up their development environment to follow along.

The workshop focused on core Flutter topics like widgets, layouts, and UI design. The BMI Calculator

app served as a hands-on exercise, incorporating key Flutter features such as:

- Widgets like Text, TextField, and Button for the user interface.
- Stateful Widgets for managing app state and updating the UI.
- TextField for user input and GestureDetector for interaction handling.
- Layout widgets like Column and Row for organizing UI elements.

Participants actively engaged in coding exercises, with positive feedback emphasizing the practical value of the BMI Calculator app. Attendees expressed interest in more hands-on learning in future workshops. Overall, the workshop successfully equipped participants with foundational skills in Flutter development.

Roadmap to DSA:



The Roadmap to Data Structures and Algorithms (DSA) was a two-day online event designed to give participants a strong understanding of DSA fundamentals. It covered key topics such as

- Introduction to DSA: Basics and importance of data structures and algorithms.
- Time and Space Complexity: Detailed discussions on analysing algorithm efficiency.
- Competitive Programming: Insights into competitive programming and platforms for practice.

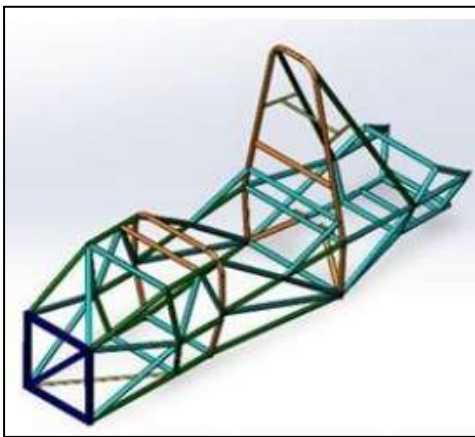
The event catered to both beginners and experienced coders, offering diverse topics for skill development. It aimed to equip participants with crucial skills for success in computer science and software development. Through interactive sessions and hands-on practice, the event fostered learning and growth in DSA.

Hyperion

The 2023-2024 period has been a landmark year for the Hyperion Racing Team's Chassis Department. Through meticulous planning, innovative design, and rigorous testing, we have developed a chassis that promises to elevate our racing performance. Major Variations in the Chassis 2024 are done by changing in Engine Space and Increased Cockpit Area

The 2024 chassis design includes a reconfiguration of the engine space to accommodate a new, more powerful engine model. This change was driven by the need to enhance the vehicle's performance while maintaining optimal weight distribution and balance. The new engine layout also improves cooling efficiency and allows for easier access during maintenance, thus enhancing overall vehicle reliability and performance. This report highlights the major activities and achievements during the 2023-2024 period, focusing on the innovative changes implemented, materials selection, design processes, and manufacturing progress. Competition Goals are to participate in SAE SUPRA 2025, due to early registration of Formula Bharat 2025. The Competition targets are to focus on dynamics part of the event and Vehicle performance data acquisition at those events.

Cad Model



Mock Chassis



IEEE

Institute of Electrical and Electronics Engineers

Sr. No	Name of Event	Date Conducted	Speaker
1	Recruitment Drive of IEEE	23th August 2023 -26th August 2023	–
2	Sci-fi Gadgets Prototype Designing	15th September 2023	Aryan Shirsat
3	Tech hunt	19th September 2023	–
4	No escape- Deadly deception	20th September 2023	–
5	Code war	20th September 2023	–
6	Morse code	21st September 2023	–
7	Game development using Python	27th January 2024	Omkar Desai, Shreyash Kamble
8	Automation using python	17th February 2024	Mrunali Yadav

Recruitment Drive of IEEE



IEEE PCE organized this event on the 23th August 2023 to 26th August 2023. The IEEE PCE Recruitment Drive successfully connected all the PCE students. Members had the chance to engage in interviews, showcase their talent, and explore potential opportunities within the IEEE network. IEEE Council made the newcomers feel welcomed and comfortable to join this

worldwide IEEE network. Overall, it was a successful, creatively fulfilling, smoothly and efficiently conducted event.



Sci-fi Gadgets Prototype Designing

IEEE PCE collaborated with TechAlegria to organize this event on the 15th of September 2023. The student chapter decided to go all out for this newly introduced technical event and one of the events that stood out was the **Sci-fi Gadgets Prototype Designing**. Participants unleashed their creativity, presenting futuristic gadget prototypes, and blending innovation with imagination in a showcase of cutting-edge engineering concepts. With an entry fee of just 100 rupees, this competition invited some creative minds to showcase their skills for an exciting winning pool. Volunteers were allocated for each of the participants. Overall, it was a successful, creatively fulfilling, smoothly and efficiently conducted competition.



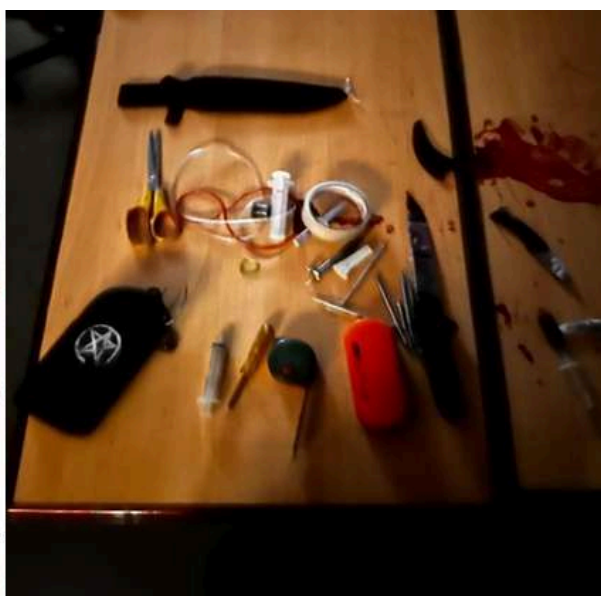
Tech hunt

IEEE PCE organized this event on the 19th of October 2023. This event was conducted in the most awaited IEEE week 2023. The student chapter decided to go all out for this annual event and one of the events that stood out was the **Tech Hunt**. IEEE Week kicked off with a

thrilling Tech Hunt, leading teams across the campus as they deciphered clues and competed to find hidden components of the given circuit and build it at the last stage of the event. With an entry fee of just 100 rupees, this competition invited some creative minds to showcase their skills for an exciting winning pool. Volunteers were allocated for each team of the participants. Overall, it was a successful, creatively fulfilling, smoothly and efficiently conducted competition.



No escape- Deadly deception

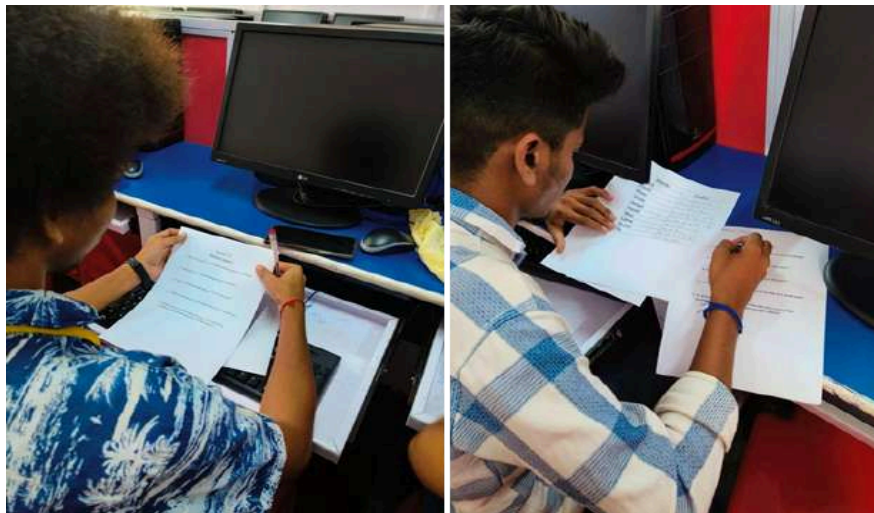


IEEE PCE organized this event on the 20th of October 2023. This event was conducted in the most awaited IEEE week 2023. The student chapter decided to go all out for this annual event and one of the events that stood out was the **No Escape- Deadly deception**. No Escape challenge pushed participants' problem-solving skills to the limit, creating an electrifying atmosphere of teamwork and strategy. With an entry fee of just 100 rupees, this competition invited some creative minds to showcase their skills for an exciting winning pool. Volunteers were allocated for each team of the participants. Overall, it was a successful, creatively fulfilling, smoothly and efficiently conducted competition.

Code war

IEEE PCE organized this event on the 20th of October 2023. This event was conducted in the most awaited IEEE week 2023. The student chapter decided to go all out for this annual event and one of the events that stood out was the **Code War**. Code War unfolded as a coding battleground, where participants engaged in fierce competition, solving complex problems against the clock. The event not only showcased technical prowess but also fostered a spirit of collaboration and innovation among aspiring programmers. With an entry fee of just 100 rupees, this competition invited some creative minds to showcase their skills for an exciting winning pool. Volunteers were allocated for each of the participants. Overall, it was a successful, creatively fulfilling, smoothly and efficiently conducted competition.

Morse code



IEEE PCE organized this event on the 21st of October 2023. This event was conducted in the most awaited IEEE week 2023. The student chapter decided to go all out for this annual event and one of the events that stood out was the **Morse Code**. The Morse Code Challenge brought history to life as participants decoded messages and tackled hands-on activities using Morse code. This interactive event highlighted the enduring significance of this communication method and its application in modern contexts. With an entry fee of just 50 rupees, this competition invited some creative minds to showcase their skills for an exciting winning pool.

Volunteers were allocated for each of the participants. Overall, it was a successful, creatively fulfilling, smoothly and efficiently conducted competition.

Game development using Python

IEEE PCE organized this event on the 27th of January 2024. This event was conducted in collaboration with the most awaited Alegria 2024. The student chapter did a fantastic job and one of the events that stood out was the **Game development using Python**. This event gave student an opportunity to deeply gain knowledge & a hands-on experience at game development using python. With an entry fee of just 100 rupees, this workshop invited some creative minds to showcase their skills for a Certificate of completion. Overall, it was a successful, creatively fulfilling, smoothly and efficiently conducted workshop.



Automation using python

IEEE PCE organized this event on the 17th of January 2024. This event was conducted in collaboration with the most awaited Alegria 2024. The student chapter did a fantastic job and one of the events that stood out was Automation using Python. This event gave students an opportunity to deeply gain knowledge & a hands-on experience at Automation using python. With an entry fee of just 100 rupees, this workshop invited some creative minds to showcase their skills for a Certificate of completion. Overall, it was a successful, creatively fulfilling, smoothly and efficiently conducted workshop.

ISHRAE

Indian Society of Heating, Refrigerating and Air Conditioning Engineers

Sr No	Event Name	Date
1	Industrial Visit report at Mahagenco, Uran	18-03-2024
2	Seminar on Gear up Core Mechanical Industry	12-01-2024
3	K-12 STEM activity at Vanvai Kalyan Ashram, Panvel	07-01-2024
4	K-12 Non-STEM activity at Vanvai Kalyan Ashram, Panvel	07-01-2024
5	Industrial Visit report at Blue Star, Wada	13-10-2023
6	K-12 STEM activity at Sukarma Charitable Trust 03-09-2023	03-09-2023
7	K-12 Non-STEM activity at Sukarma Charitable	03-09-2023
8	ISHRAE ITC Student Chapter Installation Report	29-07-2023
9	ISHRAE PCE Student Chapter Installation Report	29-07-2023
10	K-12 STEM activity at Kamal Arnav Charitable	10-06-2023

Industrial Visit –Mahagenco



MAHAGENCO has the highest overall generation capacity and the highest Thermal installed capacity amongst all the State Power Generation utilities in India. In terms of installed capacity, it is the second highest State-owned Generation Company after NTPC.

Seminar on Gear up Core Mechanical Industry

ISHRAE PCE Student chapter conducted a seminar on the topic “Gearing up for Core Mechanical Industry” by a Rotating Equipment Engineer ‘Mr. Kulkarni’. The seminar provides an introduction to the core mechanical industry, emphasizing foundational concepts and the exciting opportunities ahead. Second-year students can expect a deeper dive into essential skills, practical applications, and an understanding of emerging technologies within the field.

Third-year students will gain insights into advanced topics, industry trends, and strategies for gearing up their careers. Throughout, the seminar aims to inspire, educate, and equip students at various stages of their engineering journey for success in the core mechanical industry.



Program	K12
Program type	K12 STEM
Date	07/01/2024
Time	11AM TO 1PM
Venue	Vanvasi Kalyan Ashram, Panvel Tamasi Marg, Chinchavali Tarf Waje, Maharashtra 410206
Conducted by Chair	Om Mahadeshwar, Subodh Shinde

On January 7th, 2024, ISHRAE PCE hosted a vibrant K12 event at Vanvasi Kalyan Ashram in Navi Mumbai, Maharashtra, India. The event pulsated with the dual aim of stimulating young minds through engaging STEM activities and fostering well-rounded development through non-STEM pursuits.

The day unfolded with a fascinating tapestry of STEM-focused sessions, meticulously crafted to spark curiosity and ignite a passion for knowledge

Activity 01 :- Science Activity



K12 Kick off with Saurav Wadkar embarked on a captivating journey into the human body, demystifying the workings of various organs, particularly the heart. He elucidated its critical role in our well-being, emphasizing the importance of healthy dietary choices and optimal meal timing for peak fitness.

Activity 02 :- Basic Mathematics tricks

After Science Subodh Shinde enthralled the young audience



with the magic of mathematics. He unveiled ingenious shortcuts for generating multiplication tables with ease, turning tables from 1 to 99 into child's play. He further equipped the children with innovative subtraction techniques and the intriguing concept of bug squaring numbers

Activity 03 :- Solar Technology

Om Mahadeshwar embarked on a quest to illuminate the mysteries of solar energy. He unraveled the fundamental principles of solar power, delving into the fascinating world of solar cells and their ability to harness the sun's bounty. His session provided a captivating glimpse into the science behind this revolutionary technology, leaving the children enthralled.



ISHRAE PCE K12 event stands as a testament to the transformative power of engaging and interactive learning. It bridged the gap between theoretical knowledge and practical application, fostering a love for learning in young minds. By seamlessly blending STEM exploration with non-STEM activities, the event equipped the children with not only academic prowess but also essential life skills and a spirit of discovery. This commendable initiative ignited a spark of curiosity in both STEM and non-STEM fields, paving the way for a generation of inquisitive and well-rounded individuals.

Program	INDUSTRIAL VISIT
Program type	STEM
Date	13-10-2023
Time	10 AM TO 3PM
Venue	Bluestar, Wada, Maharashtra
Conducted by Chair	Indrajith Nair

With an intention to provide practical knowledge of the curriculum and to give an overview of how the HVAC industry and chillers function, ISHRAE PCE conducted an industrial visit to the prestigious Bluestar PVT.LTD, Wada, Maharashtra. Bluestar Wada plant contributes to 1/5th of the total bluestar manufacturing inventory. One of their renowned

projects is the complete Mumbai airport cooling project.



Program	K12
Program type	K12 – STEM
Date	03/09/2023
Time	11AM TO 1PM
Venue	Sukarma Charitable Trust, New Panvel, West
Conducted by Chair	Jivitesh Vagal, Pranay Shikhre

The ISHRAE PCE Chapter organized a K-12 program designed for the students of the Sukarma Charitable Trust. Our program was bifurcated into two distinct events, namely STEM and NON- STEM. In STEM we focused on basic Mathematics tricks, Physics concepts and about Internal and External Organs of the Human body. The participation of all the student members was highly commendable, as they actively engaged in the program with invaluable assistance from the core committee members.

STEM Activity



Activity 01 :- Physics concept

One of our group members conducted a simple yet engaging experiment to show how water and oil can be mixed together using soap. Additionally, another experiment demonstrated how laser light changes direction when it passes through glass due to density. These hands- on activities were a fantastic way for students to gain a deeper understanding of scientific principles.

Activity 02 :- Basic Mathematics tricks

One of our team members demonstrated a fundamental mathematical technique to explain to students how to generate complex two-digit multiplication tables using efficient shortcuts. Furthermore, they get a more

effective approach to mastering essential multiplication tables. Another remarkable trick was the time-saving shortcuts for multiplying double and triple-digit numbers, which significantly helped students' interest in mathematics.



Activity 03 :- Human Body Organs



One of our group members delivered an engaging presentation on the human body, focusing on both its internal and external organs. During the presentation, they elaborated on the significance and functions of each organ, as well as how they are interconnected. This informative session proved beneficial for the students, as it not only enhanced their understanding of human biology but also provided valuable insights into maintaining good health.

In conclusion, our program, hosted at Sukarma Charitable Trust, offered various engaging STEM activities in the fields of

physics, mathematics, and biology. Through our program, students gained valuable knowledge that helped them cultivate their interest in the field of science and enhance their educational experience. This experience had a significant impact on the students, as they were motivated by our efforts and were able to establish a connection with us.

Program	K12
Program type	K12 – NON-STEM

Date	03/09/2023
Time	11AM TO 1PM
Venue	Sukarma Charitable Trust, New Panvel, West
Conducted by Chair	Jivitesh Vagal, Pranay Shikhre

The ISHRAE PCE Chapter organized a K-12 program designed for the students of the Sukarma Charitable Trust. Our program was bifurcated into two distinct events, namely STEM and NON-STEM. In the NON-STEM, our objective was to enhance students' learning experiences while ensuring they had an enjoyable time. We engaged them in various games that not only facilitated a connection with us but also allowed them to thoroughly enjoy their time with us.

Activity 04:- Mind game – Chain spelling



In the NON-STEM department, we organized a game called "Mind Game - Chain Spelling." We divided the students into two groups. Group 1 was assigned a random alphabet to begin with, and the basic rule was that each student had to come up with the name of an object that started with that alphabet. The last letter of the object's name was then passed on to Group 2, who had to continue the chain by naming an object that started with that specific letter. If a team repeated a name that had already been used, the opposing team earned a point. Points were allocated to both teams, and at the conclusion of the game, the team with the highest score celebrated their victory. This game not only added an element of fun but also encouraged students to think quickly and creatively.



Activity 02 :- Student Talent showcase: Singing

The students displayed their incredible talents in singing. The song they sang touched our hearts deeply. This demonstration of their remarkable stage presence and confidence was truly

remarkable and inspiring. We are genuinely impressed by their talent and look forward to witnessing more of their artistic prowess in the future.

In conclusion, our event at Sukarma Charitable Trust offered a variety of engaging activities. In NON-STEM we had fun activities like, Mind game & students showcased their talent of singing. It was an impactful experience that will leave a good impression on their upcoming journey.

ITC Installation Ceremony



ISHRAE PCE Student chapter conducted their Installation Ceremony followed by Debate Session on the 9th AUGUST 2023. Dignitaries from ISHRAE Thane Chapter spoke about various programs conducted by ISHRAE like K12, IV's, Webinars, Internships & Job Junction. This was followed by the Installation ceremony where the student members took their oaths

Program	K12
Program type	K12 – STEM
Date	10-06-2023
Time	11AM TO 2PM
Venue	Kamal Arnav Charitable Trust, New Panvel
Conducted by Chair	Debarun Basu, Pranay Shikhre



ISHRAE PCE Chapter organized a K12 activity for the students of Kamal Arnav Charitable Trust in which we focused on mathematics tricks, and internet safety. In order to enhance students' learning experience and equip them with essential skills.

Activity 02:- Maths Trick

One of our core committee members teaches students of all ages with some fascinating math tricks & creating a fun and enjoyable learning experience while sparking their curiosity. Also encouraging students to explore the

world of mathematics and enhance their problem-solving skills.

Activity 02:- Internet Safety

One of our core committee members focused on raising awareness about internet safety among students of all ages. Through an informative session, he emphasized the importance of staying safe online and shared tips to navigate in the digital world securely

In conclusion, our event at Kamal Arnav Charitable Trust offered a variety of engaging activities, including STEM demonstrations, internet safety, math tricks. Students gained valuable knowledge, developed skills, and fostered a passion for learning. It was an impactful experience that will leave a lasting impression on their educational journey.

Program	K12
Program type	K12 – NON-STEM
Date	10-06-2023
Time	11AM TO 2PM
Venue	Kamal Arnav Charitable Trust, New Panvel
Conducted by Chair	Debarun Basu, Pranay Shikhre



ISHRAE PCE Chapter organized a K12 activity for the students of Kamal Arnav Charitable Trust in which we focused on NON-STEM activity. In order to enhance students’ learning experience and have a fun time with them.

In a fun NON-STEM event, we organized a memory game where we placed several objects on a table. Students had 15 seconds to remember the objects, and then we covered them. The challenge was for students to write down as many items as they could recall, and the one with

the most correct answers became the winner. It was an enjoyable activity that tested their observation and memory skills. Students showed us their amazing Singing and Dance skills. The students took the stage and wowed us with their impressive skills. Their energetic dance moves and beautiful singing left a lasting impression, showcasing their passion and hard work.



In conclusion, our event at Kamal Arnav Charitable Trust offered a variety of engaging activities. In NON-STEM we had fun activities like memory games & students showcase their talent of singing & dance. It was an impactful experience that will leave a good impression on their upcoming journey.

ANUBHAV 2023



ISHRAE PCE Student chapter conducted ANUBHAV at PCE on 13th April in collaboration with other committees of the college. Alumni from various branches were invited to share their experiences and college journeys. The alumni students invited were Mr. Qasim Vaid, Mr. Sddharth Nair, Ms. Nupur Kelkar, Mr. Harishankar Nair, Mr. Rohit Palassery and

Mr. Ashith Hedge having great knowledge in their own fields. The program began with speech of HODs of each Department followed by introduction of speakers. Then the speakers shared their experiences followed by a Q&A session.



Mr. Anniruddh Achary and Ms. Amrita Moorthy hosted the event which was initiated by a welcome speech and introductions. All the HODs welcomed the students and shared his experience with students and motivated them. The program came to an end with vote of thanks given by Mr. Aniruddh Achary and Ms. Amritha Moorthy.

National Service Scheme (NSS)

Environmental Rally

Date:29-04-2023

National Service Scheme (NSS) organized an Environmental Rally event with the aim of raising awareness about environmental issues. street plays and skits were performed.

Responsible Packaging

Date:29-04-2023



In Mumbai at Hotel Lalit on 07/06/2023 the Responsible Packaging Event unfolded with volunteers warmly welcoming guests for a smooth registration process. Volunteers dressed in proper uniform from diverse backgrounds gathered to contribute for the event's success. The keynote address delivered by a renowned sustainable packaging expert set the stage for an impactful occasion. The Pioneering Conference attracted a diverse audience

including industry experts, policymakers, environmentalists, and NSS volunteers.



Poster making competition on Organ donation

Date:01-09-2023

NSS volunteers, alongside talented artists and passionate organ donation advocates, demonstrated remarkable ingenuity and artistic expression as they brought their visions to life on the posters.

Organ donation awareness program

Date:01-09-2023

Objective of the Organ Donation Awareness Program was to educate and engage individuals from diverse backgrounds about the critical importance of organ donation in alleviating suffering and restoring hope.



Bappa maza paryavarnacha Raja

Date: 28-09-2023 to 29-09-2023



The "Bappa Maza Paryavarnacha Raja" initiative promotes the use of eco-friendly materials in

the construction of Ganesh idols and encourages immersion in artificial tanks or water bodies equipped for eco-friendly dissolution.

Cleanliness drive and skit play:

Date:01-10-2023



The cleanliness drive was conducted in collaboration with local authorities and community members. NSS volunteers actively participated in cleaning streets, parks, and public areas within the vicinity of their educational institution.

Following the cleanliness drive, a skit play was organized by NSS volunteers to further reinforce the message of cleanliness and hygiene.



E-waste collection drive

Date:14-10-2023 to 20-10-2023

The primary objective of the e-waste collection drive was to promote environmental sustainability by diverting electronic waste from landfills and encouraging its proper recycling and disposal. The e-waste collection drive was conducted over a specified period of 6 days. As part of the E-Waste Collection Drive, a motivational speaker session was organized to inspire NSS volunteers and community members towards active participation in environmental conservation initiatives.



Fit India swatch Run 4.0

Date:01-10-2023

The event featured a series of running and cleanliness drives, promoting physical activity, hygiene, and environmental conservation. NSS volunteers collected litter, sorted recyclable materials, and promoted the proper disposal of waste.

De-Addiction Rally and skit play

Date:06-11-2023



The main aim of De-Addiction Rally and Skit Play was to educate participants about the harmful effects of substance abuse. NSS aimed to foster a supportive environment for individuals struggling with addiction and promote positive behavioral change through a skit play.

Viksit Bharat voice of youth speech by prime minister

Date:11-12-2023

The Prime Minister's speech was eagerly anticipated, as it promised to outline a visionary roadmap for the empowerment and engagement of youth in nation-building activities. resonating deeply with the audience, igniting a sense of pride, patriotism, and purpose among the youth. It galvanized young people to take ownership of their future

and contribute proactively to the development of the nation.

Eye Check Up Camp

Date:01-03-2024

The Eye Check-Up Camp organized by NSS exemplifies its commitment to promoting health and well-being within the community.



Meri mati mera desh (Amrut Kalash)

Date:15-09-2023

The Meri Maati Mera Desh-Amrut Kalash Yatra was a significant initiative aimed at promoting a connection with the land and the nation, symbolising a deep-rooted bond with the country.

Tree plantation

Date:03-09-2023

To contribute to the expansion of green spaces and the restoration of degraded ecosystems through tree planting activities. NSS procured saplings of native tree species from nurseries and forestry departments, prioritizing species that are well adapted to local climate and soil conditions. Volunteers participated in planting saplings.

Meri mati mera desh (Amrut Vatika)

Date:07-09-2023



A fundamental aspect of the program is to express heartfelt gratitude to all the bravehearts (Veers and Veeranganas) who have made the supreme sacrifice. Establishment of Shilaphalakams On which names of the bravehearts including freedom fighters, defense personnel, personnel of Central Armed Police Forces and State Police who laid down their lives in the line of duty shall be inscribed.

Best from Waste

Date:06-10-2023



The "Best from Waste" campaign contributed to waste reduction, resource conservation, and reduction of landfill waste, thereby mitigating environmental pollution and preserving natural resources through creative initiatives and hands-on activities.



Health Checkup Camp

Date:16-10-2023



The Health Check-Up Camp organized by NSS was open to individuals of all ages and

backgrounds, offering a range of medical services and screenings free of charge.

Voters Registration

Date:25-01-2024



NSS volunteers collaborated with election officials, local authorities, and community leaders to facilitate voter registration and raise awareness about the importance of voting. Main aim is to provide assistance and guidance to eligible individuals in completing the voter registration process, including filling out forms, verifying documents, and submitting applications as well as To encourage registered voters to turn out to the polls on election day by emphasizing the

impact of their participation in the process.

Adopted Village Survey

Date:26-01-2024

The main aim is to gain insights into the pressing needs and challenges faced by residents of the adopted village in various domains.



Awareness skit good touch and bad touch

Date:07-02-2024

The key objective of the awareness skit is to raise awareness among parents, teachers, and caregivers about the importance of discussing child safety, establishing open communication channels, and supporting children in disclosing incidents of abuse.

Environmental Day

Date: 05/06/2023

"Say No to Plastic, Yes to Planet Earth" As the rally progresses, the powerful slogans transform the campus into a canvas of environmental consciousness towards a greener & healthier tomorrow.

NSS Day Celebration

Date: 24/09/2023

Together as NSS volunteers, we can be the change-makers and the beacons of hope. On this special day, let us reaffirm our commitment to serving society, to spreading smiles, and to being the change we wish to see.



Organ Donation Awareness

Date: 14/10/2023

Organ donation events spread awareness about organ donation through conducting poster making competition.



Blood Donation Camp

Date: 25/10/2023

Volunteers with passion in their hearts took it upon themselves to educate and create awareness about the significance of blood donation organised in collaboration with the expert medical team from MGM Hospital. Over 250 individuals selflessly offered their blood.

Constitution day celebration



The University of Mumbai had celebrated Constitution Day Sanvidhan Din on 26th November. On this occasion a conference had been organized on the topic The Problem of Rupee: its origin and Solutions. The conference was from 10am till 5pm. At convocation hall fort campus. It's an opportunity to reinforce the importance of upholding democracy, equality, and justice as enshrined in the Constitution

World Aids Day

Date:01/12/2023



Collaborating with local healthcare providers, NSS offered free HIV testing and counseling services to encourage early detection and access to care. Through these efforts, NSS not only contributed to reducing the spread of HIV but also promoted compassion, understanding, and support for those affected by the disease.

Disaster Management Workshop

Date: 13/01/2024.

One day District Level Disaster Management Workshop organized in collaboration with District Disaster Management Department Raigad at Changu Kana Thakur Arts, Commerce and Science College New Panvel. In this M.K. Mathre sir gave all the information about snake bite and CPR to the present audience.

Voters Pledge

Date: 25/01/2024.



The day emphasizes the significance of a strong and active democratic system promoting voter education, awareness and participation, encouraging citizens, especially the youth, to exercise their right to vote, thereby shaping the nation's future.

Yoga week

Date: 05/02/2024 to 10/02/2024

On a designated day, students from six different engineering branches came together to participate in a Yoga Week event. The event provided a unique opportunity for interdisciplinary interaction and collaboration, as students from different branches shared their experiences and perspectives on the benefits of yoga.

Festival of Democracy

Date: 06/03/2024

The impactful campaign "Mera Pahela Vote Desh Ke Liye" was launched, encouraging citizens to exercise their right to vote responsibly. Additionally, a spirited Debate Competition was organized, focusing on Indian Democracy and the Election Process. A Quiz Competition tested participants' knowledge of democratic principles and electoral procedures, fostering a deeper understanding of the democratic process. Furthermore, creative endeavors included the creation of Podcasts and Reels on the theme "Desh Mera Kaisa Ho". The event also featured a Slogan Competition, inspiring individuals to craft powerful messages advocating for democracy and civic participation.

Cancer Awareness Program

Date:24/04/2023

Through this initiative, NSS fostered a culture of proactive health management and solidarity in the fight against cancer.

NSS orientation program

Date: 25/08/2023

NSS-PCE conducted the orientation program at PCE where passion meets purpose and dedication takes center stage. The NSS PCE orientation is a transformative experience that cultivates a deep sense of responsibility and purpose in every volunteer.

Teachers Day Celebration

Date:05/09/2023



NSS organized a heartfelt celebration on Teachers' Day to express gratitude and appreciation for educators' contributions. The event served as a platform to recognize the invaluable role of teachers in shaping future generations and nurturing intellectual curiosity.

Personality-development for girls

Date:14/09/2023



NSS-PCE Women's Skill and Personality Development event was conducted where the spirit of empowerment took center stage.

Gandhi Jayanti

NSS commemorated Gandhi Jayanti with a series of impactful initiatives like cleanliness drives, community service projects, and awareness campaigns promoting Gandhian principles including discussions on Gandhian philosophy, film screenings, and art exhibitions showcasing his life and teachings. The celebration served as a reminder of Gandhi's enduring influence on India's quest for independence and social transformation.

Skill development program

Date:19/10/2023

NSS conducted a dynamic skill development program aimed at empowering youth with essential abilities for personal and professional growth through workshops, training sessions, and hands-on activities in areas such as communication, leadership, and digital literacy. Expert mentors provided guidance and support, nurturing talent and fostering confidence among the participants. The program also facilitated networking opportunities, connecting participants with industry professionals and potential employers. By equipping youth with valuable skills and resources, NSS contributed to their employability and socio-economic empowerment, paving the way for a brighter future.

Documentary reveal

Date:09/02/2024

Documentary reveal program was conducted by our NSS-PCE volunteers in which the documentary of all the work done by NSS-PCE throughout the year was displayed. An entertaining skit and Powada was performed by our volunteers to be both educational and thought provoking. Following that certificate was distributed to encourage volunteers for doing their duties properly.

Convocation ceremony

Date:02/04/2024

The convocation ceremony, a collaborative event of Pillai College, witnessed the active participation of NSS-PCE volunteers. Engaging in diverse tasks, including convocation parades and leading the prayer song, our volunteers exemplified dedication and teamwork. The convocation served as a significant milestone, marking the academic achievements of graduates and the beginning of their professional journey. NSS-PCE volunteers' contributions left a lasting impression, embodying the spirit of service and camaraderie within the Pillai College community.

Society of Automotive Engineers (SAE)



Sr No	Event Name	Date
1	Motorsport Seminar	14/09/23
2	Industrial Visit at Kirloskar Oil Engines Limited.	17/09/23
3	Motorsports Seminar and drifting event	15/03/24

Seminar on Motorsports

SAE-PCE successfully organized and conducted a seminar on “Revving Up Success: A Motorsports Seminar.” The seminar was initiated by the host by greeting the honorable dignitaries present for the seminar and introducing the respected speaker Mr. Krishna Kumar. B and his associates to the students. Speaker gave an insight about the upcoming trends in motorsports industry, new competitions that are been put forth by various organizations and also a short QnA session was conducted for the students to clear their doubts regarding the delivered seminar.



Industrial Visit



SAE-PCE successfully organized and conducted an Industrial Visit at Kirloskar Oil Engines Limited, Kolhapur. Students could learn how the production was managed by using Japanese technique KAIZEN and the six-sigma principle. They are exposed to the assembly line of the engine to see how the components of the engine are assembled, tested, painted, and packed. They were taken to the GURUKUL Training center where all the new employees are trained to work on the production line. It was a wonderful learning experience as it helped students to gain a

better insight into the practical.

Seminar on Motorsports Seminar and drifting event

SAE-PCE successfully organized and conducted an event on “Motorsports Seminar and drifting event” by Mr. Omkar Rane from United Motorsports Academy. He discussed the topics like suspensions and upright designs. This gave students an insight and built their interest in entering the motorsport industry. The team of UMA performed a drifting session and demonstrated the students about the car's build terminologies and drifting techniques. This also gave students a real-life experience about special purpose car build and cleared their queries. Also, the team of UMA interacted with the racing teams in college and gave them some suggestions.



Spark

Spark Racing Team



Spark Racing Team is the official Formula Student electric car team of Pillai college of Engineering, New Panvel. The Spark Racing Team competes in various competitions all around the world. Spark Racing Team participated in Formula Imperial 2022 which happened in July 2022 at Buddh International circuit, Noida. The team ranked 3rd Rank in the competition. Spark racing team of the year 2022-23 consists of 40 members including the Captain and the Vice Captain. They participated in Formula Bharat 2023 (Static Event- Online Mode) and secured Static Event Overall Rank of 16th.

The preparation for the upcoming competitions Formula Imperial started in the month of august 2024 with the recruitment drive organized by the team. Designing process of the car started with Ergonomics which was done on 18th of January to understand the designing of the new car as the team was building a new car which meant new chassis, new Vehicle Dynamics, new Brakes, redesigning of powertrain and electronics. Formula Imperial spanned for 5 days from 12 October to 16 October. Spark Racing Team secured 2nd position in the Electric Category and 4th position in the overall competition. EDP Runner up Along with a Price Money of Rs. 10000 .People's choice award runner up and Best Female participant to the team captain Clean Pit award.



Society of Women Engineers (SWE)

Sr. No	Name of Event	Date Conducted	Speaker
1	Robo Maze Master	15 th September 2023	Prof. Ruchira Patole
2	Web Development Using Python	28 th January 2024	Mr. Sumant Dusane
3	STEM Outreach Activity-1	8 th March 2024	Prof. Ruchira Patole
4	STEM Outreach Activity-1	26 th March 2024	Prof. Ruchira Patole
5	Girls in Robotics – Training Event	6 th May – 11 th May 2024	–
6	SWE Committee Farewell	24 th May 2024	–

Robo Maze Master

In a collaborative endeavour, SWE-PCE, Tech Alegria, and PCE orchestrated an engaging technical event titled “Robo Maze Master”. This event, which included both a workshop and a competition, offered participants a dynamic and enriching experience in the realm of robotics. The challenge posed to the participants was to design and build a fully autonomous robot that could adeptly navigate through a maze. This exercise aimed to cultivate crucial skills in advanced robotics and problem-solving among the participants.



Web Development Using Python

SWE-PCE and team Alegria, conducted a technical workshop titled “Web Development Using Python”. The workshop curriculum encompassed the fundamentals of HTML and CSS, the application of the Flask framework in Python, and culminated in the creation of a rudimentary

social media blog web application. Participants were given the chance to hone their skills through practical exercises, thereby reinforcing their grasp of web development using Python.

STEM Outreach Activity-1



SWE PCE organized a Women's Day workshop at Sant Sai Baba Vidyalaya School for grade 1st to 5th to encourage girls' engagement in STEM. Activities covered motor mechanics, solar panels, and Microbit interfacing, providing hands-on experiences. The interactive sessions aimed to break gender stereotypes, inspiring girls to explore STEM fields with confidence. Participants showed enthusiasm, signaling a successful effort in fostering interest and motivation among the students to pursue diverse opportunities in science and technology.



STEM Outreach Activity-1

SWE PCE conducted a STEM outreach activity at DB Patil School, Panvel, aimed at sparking interest in STEM among 6th and 7th-grade female students. The event centered around introducing the students to Microbit through a series of engaging activities such as LED lighting and melody experiments. This hands-on approach to programming allowed the students to grasp basic concepts while simultaneously unlocking the creative possibilities of technology. The event was a resounding success, igniting both curiosity and confidence among the students and paving the way for their continued involvement in STEM fields.



Girls in Robotics – Training Event

“Girls in Robotics” was a six-day training event scheduled from 6 May to 11 May 2024, at the Pillai College of Engineering, New Panvel. The event aimed to inspire and empower school girls from the 6th to 10th standard to explore the fascinating world of robotics and STEM to build a community of girls working in the robotics domain. We had a participation of around 86 school girls (99 students registered, out of which 86 attended the training). The participants were from 35 different schools in and around Navi Mumbai, India. Our goal was to provide these young girls with hands-on experiences, mentorship, and exposure to robotics. We believe that fostering their interest in science and technology at an early age will have a lasting impact on their future careers.



ABOUT THE EVENT

Join us for an exciting journey into the world of robotics! This unique training programme is designed specifically for 6th to 10th standard school girls, providing a safe and supportive environment to learn, create, and innovate.

PROGRAMME DETAILS

- The programme runs for six days, with seven hours of hands-on sessions each day.
- You'll get to work with robotic electronic components and kits, developing skills in both hardware and software.

Unleash Creativity!

DIVE INTO THE WORLD OF ROBOTICS

Harness THE POWER OF AI

Exciting opportunity to learn the fundamentals of robotics and coding, and use your newfound skills to **build your own robot.**

This programme covers everything from sensors, actuators, controllers, to programming languages, Artificial Intelligence (AI) integrated robotics.




GIRLS IN ROBOTICS

INSPIRE. INNOVATE. IMPACT

WITH AI INTEGRATED ROBOTICS

A one week training programme from 6 May 2024 to 11 May 2024 on Robotics exclusively for 6th - 10th standard school girls at Pillai College of Engineering, New Panvel

SWE Committee Farewell

The Society of Women Engineers (SWE) at Pillai College of Engineering hosted a heartfelt farewell event for the 2023-24 batch, celebrating their achievements and contributions over the years. The event was a blend of emotional speeches, memorable moments, and joyous celebrations, marking the culmination of their academic journey. Attendees included faculty, students, and alumni who shared their experiences and offered best wishes to the outgoing batch. The event highlighted the graduates' remarkable accomplishments in engineering and their dedication to promoting gender diversity in STEM fields. As they step into the professional world, the graduates leave behind a legacy of inspiration and empowerment for future generations of women engineers.



TAPAS

TAPAS-PCE is a meditation and wellness club formed on 16 October 2019 in collaboration with Heartfulness, launched with the aim to spread the benefits of meditation to stressed-out students. It emphasizes the well-being of students' mental health. through various meditation , yoga sessions and other rejuvenating events, trips etc.

There are several events organized by the TAPAS-PCE Committee in AY 2023-2024.

Events organized by TAPAS-PCE in Academic Year 2023-2024

Sr. No	Event	Duration / Date	Participants Count
1	Visit to Kanha Shanti Vanam for Y20 Summit	21st July to 22nd July 2023	18-20
2	Dhyantsav 2023 (First Year)	10th, 11th and 12th October	500
3	Dhyantatri 2023	15th October to 23rd October 2023 (1hr daily)	50
4	Youth Unite Movement (Collaboration)	12th January 2024	25-30
5	21-Days Meditation Challenge	1st March to 21st March 2024	55
6	Visit to Kanha Shanti Vanam for Global Spirituality Mahotsav (Volunteered)	14th March to 17th March 2024 (4 days event)	22
7	Yoga day	21 June	25
8	Weekly Meditation Sessions	1 hour once a week in online or offline mode	11-12

A Two Day International Youth summit by Heartfulness in collaboration with the Ministry of Youth Affairs and Sports
21 July 2023 - 22 July 2023

The trip to Kanha Shantivanam in July 2023, organized by Team TAPAS-PCE along with students from Aarambh MGMHS and participants of the Y20 Summit, was an enlightening experience. The delegation visited an innovative oil extraction unit within the premises, where they observed a unique layer separation technique used for extracting oil from leaves. This visit highlighted eco-friendly and sustainable methods of oil production. Another major highlight was the visit to one of the world's largest functional kitchens. Participants gained valuable insights into large-scale food production, witnessing the convergence of culinary expertise and advanced technology. The experience reinforced discussions on food security, sustainability, and efficient food production at the Y20 Summit.

In the evening, a meditation session led by Dr. Mansee Thakur provided a moment of relaxation and reflection for the attendees. The Y20 Summit, a national event focused on Health, Well-being, and Sports, took place on July 22, 2023, in collaboration with the Ministry of Youth Affairs and Sports. The summit gathered around 1,200 youth delegates globally, along with experts, leaders, and influencers. It commenced at the Satellite Auditorium with an opening ceremony led by Daaji, followed by a meditation session. AIIMS Delhi Director, Dr. M. Srinivas, addressed the audience virtually, discussing his research on meditation.



The summit featured esteemed speakers, including Y20 Chairperson Anmol Sovit, Olympian Ayonika Paul, para-badminton champion Manasi Joshi, and motivational poet Swayam Shrivastava. A panel discussion included Mr. Vikrant Gharat, a motivational speaker and author. The event concluded with a musical performance by Ricky Kej. The day ended with a visit to Yatra Garden, a symbolic representation of the spiritual journey through energy

chakras. The experience provided a deep understanding of inner consciousness and self-discovery, marking a fulfilling end to the Kanha Shantivanam visit.

Dhyanotsav 2023

A 3-day Meditation drive for first year students of PCE

10 October 2023 - 12 October 2023

DAY 1

Date : 10 October 2023

Time : Session 1 : 8 am to 9:30 am

Session 2 : 3 pm to 4:30 pm

Dhyanotsav 2023 was organized for first-year students to help them relax and adapt to change through meditation. This three-day event aimed to introduce meditation as a norm in society, free of charge. Since depression and anxiety often hinder daily activities, meditation was highlighted as an effective solution, scientifically proven to calm the prefrontal cortex. In the morning, Dr. Lalita Dhreshwar conducted sessions on self-exploration, while Dr. Sunita Singh led the evening session. Both esteemed guests, associated with the Heartfulness Institute (Shri Ram Chandra Mission), have dedicated over 30 years to promoting meditation and societal well-being.

Day 1 focused on the Relaxation process, the first step in Heartfulness meditation. Neetu Pillai introduced the guests, followed by a floral welcome from first-year coordinators. Faculty members, including Dr. Arun Pillai, Dr. Biswajit Panda, and Dr. Manju Pillai, graced the event. The session was compulsory to familiarize students with TAPAS-PCE and meditation.

DAY 2

Date : 11 October 2023

Time : Session 1 : 8 am to 9:50 am

Session 2 : 3 pm to 4:30 pm

Dhyanotsav day-2 started with Prof. Madhura Vyawahare who was the first faculty coordinator and a heartfulness member and for evening we had Dr Sunita Singh who graced the evening with her talent of connecting with students through daily lifestyle and she's also an heartfulness trainer .For Day 2 we had the Cleaning process which is the second process in the heartfulness meditation out of the 3 that is Relaxation & meditation ,Cleaning and Prayer. As they guided the students and attendees how to do the cleaning. Cleaning in the context of Heartfulness refers to a meditative and spiritual practice rather than a physical cleaning process. It's a form of inner cleansing, where the focus is on purifying the consciousness, releasing negative emotions, and nurturing a sense of inner peace and love.

DAY 3**Date: 12 October 2023**

Time: Session 1: 8 am to 9:30 am

Session 2: 3 pm to 4:30 pm

Day 3 Dhyantsav began with positivity and optimism since Day1 and Day2 were a charm which focused on relaxing and cleaning the mind. Day3 emphasized on Meditation. The event was held in the auditorium. Two sessions were held, in the morning as well as in the evening. Dr Mansi Thakur, Dr Kapil Thakur sir were the guest speakers for the morning session of the event and Dr Nivedhita Shreyans was the speaker for the evening session. The session commenced by the hosts, Ketaki Nair and Athira Mohandas welcoming the guest speakers. First year faculties were requested on stage to felicitate the guest speakers.

The event began very interactive as the speakers didn't leave a chance to make the surrounding warm and fun. Once the audience were comfortable, Dr Mansi Thakur Mam and Dr Kapil Thakur Sir started the relaxation steps followed by meditation. Dr. Nivedita Shreyans mam did the same in the evening. Students enjoyed the session since everyone was covered with happy smiles and calm. After the felicitation, with much love and enthusiasm, TAPAS-PCE was delighted to finally launch their Website. In the evening session, students from MGM Aarambh joined the event and made it more fun as they interacted with students and played some fun activities which made them have the complete attention of students and made the session even more happening.



In an era characterized by relentless stress and mental health challenges, meditation serves as a crucial tool to navigate these issues, fostering emotional well-being. Moreover, the pervasive presence of digital distractions has shortened attention spans and reduced productivity; meditation, with its capacity to enhance focus and alleviate the detrimental effects of constant screen time, becomes increasingly relevant. In a world that prioritizes wellness and self-care, meditation offers a holistic approach to maintaining physical and mental health. The host then concluded the session by extending gratitude on the behalf of everyone in committee to speakers, faculties and students for making Dhyantsav 2023 a great success.

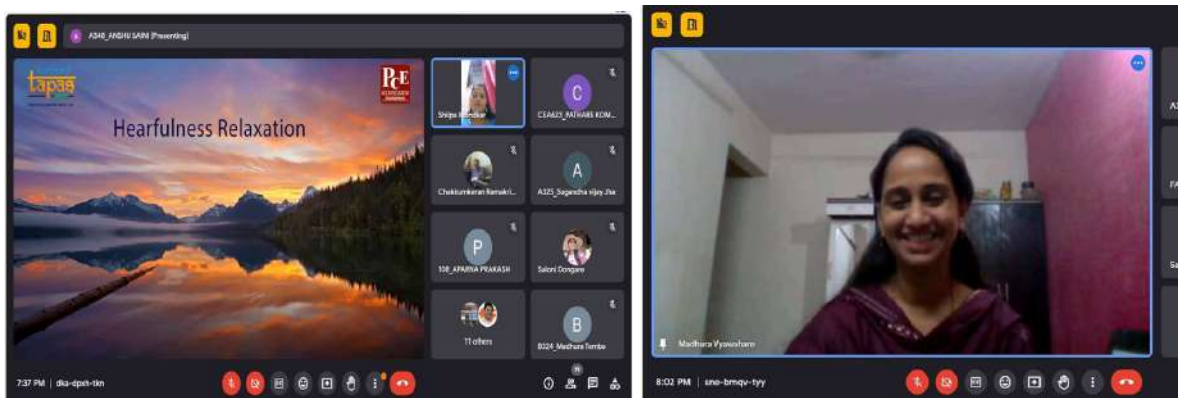
Dhyantsri 2023

A 9-day Meditation drive during Navratri

Dates: 15 October 2023 - 23 October 2023

Time: 8:00 PM - 8:30 PM

TAPAS-PCE held its second Dhyantsri event in October 2023, coinciding with Navratri from 15 October to 23 October. This 9-day meditation initiative aimed to cultivate peace of mind and foster a meditation habit during Navratri's sacred days. Dhyantsri, which was first introduced by TAPAS-PCE in 2022, combines the words Dhyant (meditation) and Ratri (night), symbolizing Meditation Nights for the 9 nights of Navratri. The event saw over 50 participants registering and was conducted online via Zoom from 7:30 to 8:00 PM daily. The meditation sessions were led by Madhura Ma'am for 8 days and Shilpa Ma'am for 1 day. The event kicked off with a positive energy, with participants excited to join the sessions remotely. Madhura Vyawahare Ma'am from PCE led the first session, providing an introduction to Heartfulness meditation and guiding the meditation process.



Each day, she assigned tasks for participants to complete and encouraged them to share their experiences. Tasks varied each day and included avoiding negative news, staying off social media, avoiding anger, and speaking less throughout the day. The sessions received enthusiastic feedback, with many participants reporting reduced stress and anxiety. They shared their experiences regarding the tasks, noting overall improvements in their well-being. Madhura Ma'am covered the entire Heartfulness meditation process over the first three days. On the first

day, she introduced relaxation and heart-based meditation. On the second day, she taught the cleaning process, meant to be done in the evening or at the end of the day. The third day, she focused on prayer, followed by a combination of relaxation, meditation, and the cleaning process for the remaining days.

Shilpa Ma'am led a session during the 9-day event, teaching various aspects of the Heartfulness technique. Each day brought new elements and tasks for participants to complete. Many participants successfully completed the 9 days of meditation and received certificates in recognition of their commitment. The 2023 Dhyranatri event continued the tradition begun by TAPAS-PCE, promoting a culture of meditation and inner peace during Navratri.

Youth Unite Movement

A 2 Day Celebration of Swami Vivekananda's 161st birthday anniversary and the launch of the Youth Unite Movement

11 Jan 2024-12 Jan 2024

Swami Vivekananda's 161st birthday anniversary, the Youth Unite Movement was launched through a collaborative effort between AARAMBH.MGMIHS, TAPAS-PCE, and Heartfulness Centre Panvel. The event took place on January 12th at BMA Panvel and brought together young people from various institutions, creating an atmosphere of unity and inspiration. Students from D.Y. Patil, ITM, Pillai, KBP Modern College, Heartfulness Youth, and MGMIHS actively participated, highlighting the event's widespread appeal and significance. Around 150-200 youths participated in the event.



One of the most memorable moments was a special live Q&A session with the Revered Daaji, who joined via Zoom. Additionally, many other colleges, institutions, and organizations joined

the session through Zoom, enriching the experience with diverse perspectives and shared wisdom. Following the enlightening Q&A, everyone engaged in a peaceful and reflective meditation session, guided by the principles of Heartfulness. This session provided a calming conclusion to the day's activities, allowing participants to internalize the messages of the event and find inner peace. The Youth Unite Movement was not merely a commemoration of Swami Vivekananda's legacy; it was a dynamic platform that enabled young people to gather, express their thoughts, and feel a sense of belonging and community. The event successfully bridged the gap between different institutions and individuals, creating a collective force for positive change.



The success of this event was made possible by the tireless efforts of the college coordinators, mentors, social media team, kitchen team, and Heartfulness volunteers. The collaboration and support from various teams underscored the spirit of unity and community that Swami Vivekananda championed, making the Youth Unite Movement a truly memorable and transformative experience.

21-Day Meditation Challenge for Peace and Mental Wellness Enthusiasts

Date: 1 March 2024- 21 March 2024

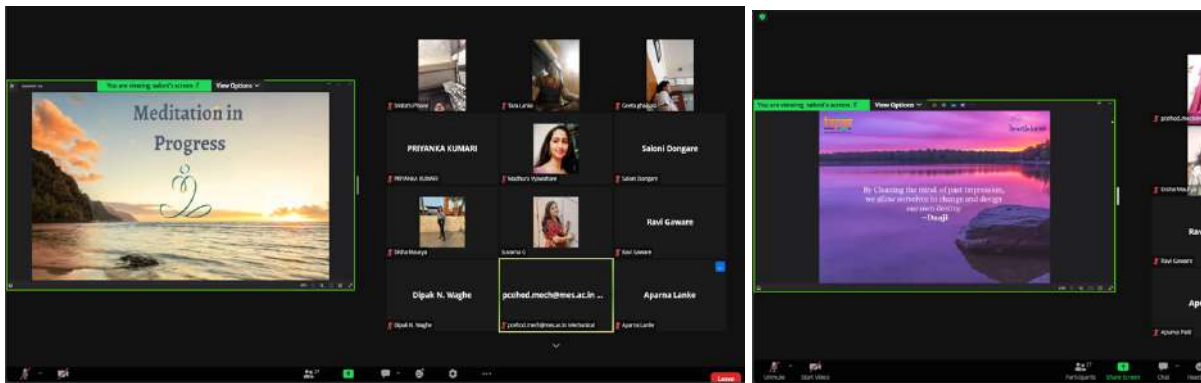
Time: 8 p.m.

TAPAS-PCE, conducted a 21-day meditation challenge from March 1st to March 21st. The event focused on helping individuals build a habit of meditation by following a structured routine over 21 days. This transformative 21-day meditation event helped the participants explore various techniques to relax, focus, and cultivate inner peace. Whether a beginner or seasoned practitioner, this event was the gateway to establish a regular meditation routine and reap its benefits in daily lives.

The "21 Days Technique" is the guiding principle, suggesting that consistent practice over three weeks can instill new habits and foster lasting change. The event wasn't limited to just the college community; it extended a warm invitation to the students from other colleges and anyone eager to embark on this meditative and spiritual journey.

Among the most beloved practices was the Water Technique Meditation, a mindful exploration of water's soothing properties. By visualizing oneself as water—a serene lake, a gentle river, or the vast ocean—participants tap into its fluidity, transparency, and reflective nature. As thoughts and emotions surface, like bubbles or debris, practitioners learnt to let them pass without judgment or attachment. This technique not only alleviates stress and anxiety but also enhances concentration and mental clarity.

This was a transformative journey, where each day brought new opportunities for self-discovery and growth. Through the gentle flow of meditation, participants found serenity, clarity, and a deeper connection to themselves and the world around them.



Visit to Kanha Shanti Vanam for Global Spirituality Mahotsav Inner Peace to World Peace

14 March 2024-17 March 2024

The Global Spirituality Mahotsav-2024, organized by the Ministry of Culture and the Heartfulness Institute, was held at Kanha Shanti Vanam, Hyderabad, from March 14-17, 2024, with around 1 lakh participants, including 42 from Pillai College and PCE. Centered on the theme "**From Inner Peace to World Peace**," the event emphasized resolving internal conflicts to achieve global harmony. Reflecting India's vision of "**Vasudhaiva Kutumbakam**," the Mahotsav was hosted at the Heartfulness Headquarters, featuring the world's largest meditation hall. Spanning 300+ acres, Kanha accommodated 40,000 attendees with extensive residential and meditation facilities, creating an ideal setting for spiritual exploration.

Day 1 : 14 March 2024 Musical Event by Shankar Mahadevan

The Global Spirituality Mahotsav began with a meditation session, followed by an inspiring musical event by Shankar Mahadevan and his team, including flutist Shashank Subramanya and violinist Kumaresh Rajagopalan. Hosted at Kanha Shanti Vanam, the event featured global spiritual leaders from Ramakrishna Mission, ISKON, Brahmakumaris, and Ajmer Sharif, promoting unity beyond religion. The concert, blending devotional songs like Namō Namō, Allāh Hī Rehām, and Vakratunda Mahākāya, fostered deep spiritual introspection.

TAPAS volunteers assisted backstage and facilitated artist felicitation by Daaji. The day concluded on a serene and harmonious note, emphasizing inner peace to world peace.

Day 2: 15 March 2024-Chief Guest Hon'ble President of India

Day 2 of the Global Spirituality Mahotsav began with a welcome address by Mrs. Ranjana Chopra, followed by a plenary session on "Inner Peace to World Peace" featuring spiritual leaders like Gaur Gopal Das, Sister Usha Behn, HH Chinna Jeeyar Swamiji, Swami Atmapriyananda, and Daaji. TAPAS volunteers assisted in the felicitation. A session on "Spirituality in Daily Life" followed, featuring speakers from diverse spiritual backgrounds.

At 4:30 PM, speeches by Swami Gaurang Das, Swami Mukundananda, Devi Chitralakha, and Upasana Kamineni set the stage for the arrival of Hon'ble President Smt. Draupadi Murmu. She planted a sapling, met dignitaries, and was felicitated alongside esteemed spiritual leaders. The National Anthem was played, followed by addresses from Shri Arjun Ram Meghwal, Daaji, and the President on world peace.

The day ended with a grand cultural program, "Sur ki Sadhna," featuring music, dance, and a stunning light projection show, concluding the event successfully.

Day 3: 16 March 2024 -Presence of Hon'ble Vice President of India

Day 3 of the Global Spirituality Mahotsav began with a yoga session by Rajiv Mehta, followed by a Yatra Garden tour for TAPAS volunteers. The main plenary session, "Confluence of Pathways for Inner Peace to World Peace," featured spiritual leaders like Cardinal Anthony Poola, Dr. Imam Umer Ahmed Ilyasi, and Sadguru Shri Riteshwar.

The "Being and Becoming" session was an interactive discussion hosted by Kamyia Jani, featuring Kabir Bedi and Shekhar Kapoor, followed by a Q&A. Another session featured Raj Yogi BK Mrutyunjaya, Swami Bodha Maya Nanda, and Dr. Tony Nader. In the evening, Hon'ble Vice President Shri Jagdeep Dhankar addressed the audience, alongside Fred Stella, Pir Zia Inayat Khan, and Madhur Bhandarkar. The day concluded with the "Mrityunjaya" cultural program, featuring a projection mapping show, musical performances by Bickram Ghosh & team, and young singers. TAPAS-PCE members later had a photoshoot with Dr. Nivedita Shreyans and met various dignitaries.

Day 4: 17 March 2024 - Closing Ceremony

The final day of the Global Spirituality Mahotsav on March 17, 2024, began with a yoga session by Dilip Dauneria. The closing ceremony, "Heartfelt Gratitude," took place in the Main Meditation Hall, featuring esteemed guests like Baba Jain, Dr. Tony Nader, Pir Zia Inayat Khan, and Atmarpit Vidhi. The session commenced with Hon'ble Vice President Shri

Jagdeep Dhankar and Rev Daaji, followed by a meditation session by Smt. Vandana Kothari. Daaji was honored as the "Global Ambassador for Peacebuilding", presented by Patricia Scotland. A plenary session on "Youth and Spirituality in the Digital Age" included global spiritual leaders. The day ended with a musical performance and a vote of thanks. TAPAS-PCE volunteers played a crucial role, managing backstage, guest hospitality, and event documentation. Prof. Shilpa Mondkar guided the team. The trip to Kanha Shanti Vanam was a memorable blend of peace, spirituality, and learning, fostering valuable global connections.





YOGA DAY - A YOGA FOR HUMANITY

Date:-21st June 2024

Time:- 10:00 AM to 12.00 Noon

On International Yoga Day, a yoga session was organized by TAPAS-PCE to promote the benefits of yoga and its positive impact on physical and mental well-being. The event took place at the assembly hall 2nd floor of Pillai College of Engineering, and was open to all college students and faculty.. The instructor for the session was Dr. Shridevi Kulkarni ma'am, a yoga and naturopathy instructor from Computer Engineering dept. The objective of the session was to create awareness about the importance of incorporating yoga into daily life for a healthier and balanced lifestyle.The event was hosted by Ms. Shraddha Gaur from team TAPAS. Dr. Shreedevi Kulkarni ma'am gave brief instructions to the participants and guided them through various yoga techniques and exercises. The session began with a brief warm-up period to prepare the participants' bodies for the yoga practice.The instructors introduced a variety of asanas or yoga poses. These exercises aimed to calm the mind, reduce stress, and improve overall well-being. Asanas with partners were also introduced in this event. The participants enjoyed practicing asanas with partners, fostering a sense of connection, understanding and coordination.

Keeping in mind about everyone's day to day life which revolves around their work routine, instructors introduced some work place asanas which could be easily implemented while sitting on a chair which included Chair Yoga, touching feet, namaskar, tadasana, stretching legs etc. These exercises aimed to promote wellness even in sedentary work environments.

Towards the end of the session, instructors led the participants through visualization exercises and guided them to experience a deep sense of peace and tranquility.Dr. Shreedevi

Kulkarni ma'am was felicitated by Dr Nivedhita Shreyans ma'am for her contribution in the event. The event concluded with a vote of thanks extended to all the participants, instructors, organizers, and attendees who contributed to the success of the International Yoga Day celebration. Overall, the yoga session at Pillai College of Engineering on International Yoga Day was a resounding success. The event left a lasting impact, inspiring participants to continue their yoga journey and share the benefits of yoga with others in their communities.

VANGUARD



The Vanguard Racing Team is a part of Pillai College of Engineering located in New Panvel, Navi Mumbai. This team is all about undergraduate students pursuing engineering in different fields who are from the second, third, and last year of their courses and are also passionate and interested in developing, growing, and intend to build their knowledge and psychomotor skills. The team has multiple departments such as Chassis Powertrain, Vehicle Dynamics, and Braking as technical departments and Admin, Social media handling, Website, Graphics, and Marketing as non-technical departments. The team mainly focuses on the Baja SAE event which is an International Event run by the Society of Automotive Engineers





The Vanguard Racing Team (VRT 05), comprising passionate engineering students, embarked on an ambitious journey to compete in the SAE Baja India 2023 event. Work on VRT 05 began in January 2022, with meticulous design and rigorous testing, culminating in the creation of their 4x4 vehicle, Arjuna. The development of VRT 06 commenced in May 2023, marked by the enthusiastic engagement of all team members across their designated departments. Their concerted efforts aimed for the expedited realization of our inaugural 4X4 vehicle. Out of the 210 teams, VRT 06 secured an impressive air in SAE Baja 2024 showcasing their excellence. Static round Rank: AIR 52 out of 130 teams. Overall Rank 2nd in Navi Mumbai out of 10 teams.

9. Extra Curricular Activities

Alegria - The Festival of Joy

Alegria - The Festival of Joy is the Pillai Group of Institutions exciting intercollegiate event organized by Dr. K. M. Vasudevan Pillai Campus by 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. In Alegria 2024, a total 106 events were organized in 8 different categories. These categories include Management, Technical, Performing Arts, Informals, Sports, Gaming, Fine Arts and Literary Arts. Technical workshops were held in collaboration with Pillai College of Engineering's student bodies like CSI-PCE, ETSA-PCE, IEEE-PCE, AESA MESA, TPC-PCE and ISHRAE. This year the theme of Alegria 2024 was “Into the Multiverse” which was selected by ‘Alegria Theme competition’. Alegria 2024 was a 5 Day Festival organized from 6th February 2024 to 10th February 2024. We received a huge participation from various colleges. The number of entries exceeded 10,000 this year which is the highest till date also the total footfall for various concerts exceeded 15,000. The Students’ Council and members of various committees showed great efforts in crowd management which led to smooth functioning of events. The Performing Arts and Informal events were conducted in the Atrium, Quad and Auditorium. To make these events memorable, a celebrity lineup was arranged by the organizing committee for Judging these events which included Sandeepa Dhar, Shiv Thakare, Tanuj Virwani etc.

Banner Unveiling

This year Alegria 2024 Banner unveiling ceremony was organized with a captivating flashmob where talented dancers performed for the excited crowd in Quad, Dr. K. M. Vasudevan Pillai Campus. The event commenced with lamp lighting along with an authentic classical dance performance followed by the sweet words of Dr. Daphne Pillai. The flashmob gave everyone a peek into the multiverse as Uconic - the fashion group of college performed a parade.

Throughout the event, nostalgia spread among everyone who witnessed the grand banner reveal and watched the crowd come alive through the charm of some beautifully crafted performances of the students. The event saw a huge footfall with every Alegrian sitting there with excitement and curiosity. This flashmob was indeed the best kickstart to the vibe of Alegria. Annual



Soch - Alegria

Soch-Alegria is the pre-Alegria event organized by the junior organizing committee of Alegria on 31st Jan 2024 in OC and Stilt Area . As part of this event, all of the junior OCs brainstormed innovative ideas in order to motivate the crowd to make a change. This year's Soch Alegria celebration was all about Desi Dastak-Heritage Of India ,where legacy meets creativity resulting in a supernova of taste and magic. The event commenced with the lamp lighting ceremony. The purpose of this event is to give young entrepreneurs and creative minds the chance to gather support and market their products and ideas. In total, there were 20 stalls that were installed during the event to sell a variety of products such as merchandise, cupcakes, jewelry, cosmetics, paintings, etc.

The event was a great success and had many positive reactions from students as well as faculties. The event was attended by over 1000 people. It was a great opportunity for entrepreneurs to showcase their products and gain exposure for their ideas. Several successful businesses were launched with the help of Soch Alegria. The event also helped to create a stronger sense of community among the junior OCs . Overall , Soch Alegria- Desi Dastak-Heritage of India was a great opportunity for young minds to come together and make a difference .



Day 1 (06/02/2024):

The inauguration of Alegria 2024 took place on February 7, led by Dr. K.M. Vasudevan Pillai and Dr. Daphne Pillai in the campus Atrium. Organized by the Student Council and other officials, the event ran smoothly, creating a vibrant atmosphere with colorful decorations and a sense of excitement among students. The inauguration featured speeches, performances, and the unveiling of the festival theme, setting an energetic tone for the celebrations.

Alegria, known as one of Mumbai's largest intercollegiate festivals, offers a variety of events across multiple domains, including Performing Arts, Literary, Fashion, Gaming, Sports, Fine Arts, Technical, and Informals. Each day attracts large crowds, with food stalls and small business vendors adding to the lively experience. Notable events on Day 1 included Mono Acting and Fashion Show, judged by celebrities Tanuj Virwani and Rohit Khandelwal, while rapping sensations Dizlaw and Kalyug evaluated the rap event. Additionally, 23 other events ran simultaneously across the college. The day concluded with an electrifying DJ war, with a special appearance by Ukrainian guest TAYLA MOSS, who closed the night with an EDM jam, leaving the crowd in high spirits.



Day 2 (07/02/2024):

The incredible start to Day II began in high spirits, and the energy was not ready to go down. The campus started swarming at morning 8, by its participants and spectators who were here to visit the enormity of this iconic 5 day event. For the second day, the versatility of dance styles were put to test in the category of Performing Arts. Classical, Freestyle, Folk or Group, Solo or Duet, the spectrum of diversity was extensive. It was the epicenter of all the fun and amazement, while the sun went down with the amazing Fashion Show that took place at the golden hour, leaving the crowd in awe. Shiv Thakare, Nidhi Prabhu, Ronit Vohra, Akanksha Sharma, Elnaaz Norouzi, Sandeepa Dhar, Divya Dwivedi the renowned artists enriched the Alegria Platform as they judged the different main stage events of Day II. Yet again the gigantic play of 20 Events ran parallel to the main stage events and was exemplary in itself setting the benchmark high above.



Day 3 (08/02/24):

Day III of Alegria 2024 was filled with energy, creativity, and excitement, taking participants further into its "multiverse" theme. The main events on stage showcased talent in Singing, Skit, and Roadies, while sports like Futsal, Kabaddi, Badminton, and Shooting were in full swing. One highlight was the Mr. & Ms. Alegria competition, where judges Ayush Sanjeev, Abhimanyu Dasani, and Piyush Mehroliya evaluated contestants' skills and intelligence.

As evening approached, excitement built for the much-awaited Comedy Night. The campus was brightly lit, buzzing with anticipation. Special guests Guru Randhawa and Saiee Manjrekar joined to promote their film *Kuch Khattaa Ho Jaay*, charming the audience. Comedians Samay Raina and Gurleen Pannu delivered sharp, unfiltered humor, filling the campus with laughter and ending Day III on a high note.



Day 4 (09/02/24):

Day IV of Alegria 2024 started with a series of vibrant events, including the Alegrian Hustle, Fashion Styling, Fitness Physique, Murder Mystery, and various games, sports, and fine arts activities. Esteemed judges Yuvraj Jadhav and Tejas Dunbale graced the events, adding a touch of expertise.

The highlight was Concert Night, one of the year's most anticipated events. The audience was captivated as Zaeden opened with a heartfelt, moving performance, connecting deeply with listeners. Raftaar and his team then took the stage, delivering an electrifying set that raised the energy levels and swept the crowd into a state of ecstatic celebration. The night was a stunning display of talent, leaving attendees in awe of the artists' charisma and passion.



Day 5 (10/02/24):

Day V of Alegria 2024, the grand finale, brought a bittersweet close to the event. Emotions were high as the festivities neared their end, but the energy remained vibrant. The day opened with the Battle of Bands, where Moksh - The Band judged and delighted the crowd with their nostalgic performance. The Beatboxing event also amazed, featuring skilled performances judged by Ameya Koltharkar.

As evening fell, the celebration reached its peak with a powerful DJ and EDM night, headlined by DJ Teri Miko and Ali Merchant. The finale featured fireworks, pyro displays, and confetti, creating a thrilling atmosphere that was both intense and exhilarating. The crowd danced freely, reveling in every moment of this unforgettable last day of Alegria 2024.

Tech Alegria

Tech Alegria 2023 was the first edition of what is about to become two days of an absolute tech gala at Pillai College of Engineering . The college decided to come up with this idea to ensure that technical events and workshops do not clash with the other events organized during Alegria, and provide the students with an enhanced experience on tech. Through this unique subset of Alegria -The Festival of Joy , the college also aims to nurture and bring forth some new and exciting events and ideas that could help to fuel up the drive for mastering technology in the hearts of the students.

Organized in association with the PCE Students' Council , it was held on 15th and 16th September 2023 with a total of 17 events such as Tech Quiz , Robo-Maze Master , Web Weaving Competition etc. organized under its name. The events were conducted by various student chapters of the college like AESA MESA, CSI, CA, ETSA, ISHRAE, TPC, IEEE, SWE, SAE, GDSC, TAPAS, Spark, Vanguard and Hyperion.



PRE - TECH ALEGRIA

On 14th September 2023 , the college witnessed a visit by the much loved singing duo of Sukriti and Prakriti Kakkar along with the famous rapper Mellow D , who arrived to promote their latest song “ Over You ”. The students were absolutely overjoyed as they joined us for a delightful evening and interacted with the crowd. Their song is already creating a lot of buzz on social media, and we were so glad to become a part of their journey through this wholesome promotion.



DAY 1 - 15th September 2023

The first day of Tech Alegria kicked off with a grand inauguration ceremony featuring a lamp-lighting ritual and inspiring speeches, including an address by Dr. Daphne Pillai, who encouraged students to explore the evolving tech world. The event included vibrant performances, with Nartana dance crew captivating the audience and Uconic fashion crew presenting a tech-themed show. Throughout the day, twelve events organized by various student chapters drew enthusiastic participation. Competitions like Bug Hunter, Mirror Image Markup Madness, and Code Hunt highlighted the creative integration of technology, and workshops explored impactful modern tech concepts. Winners were celebrated by faculty for their achievements.



DAY 2 - 16th September 2023

The second day of Tech Alegria maintained the excitement with eight events, including Murder Handling, Tech Showdown, and Mock Placement, which challenged students across various skills. Workshops on MATLAB and SolidWorks, as well as Tech Talks and a Competitive Exhibition, provided additional learning opportunities. Students tackled real-world problems with creativity and enthusiasm, showcasing their skills. The day concluded with the announcement of winners and the successful wrap-up of all workshops, setting the stage for an even greater experience in the next edition of Tech Alegria in 2024.



ANUBHAV

ISHRAE PCE Student chapter conducted ANUBHAV at PCE in May 2024 in collaboration with other committees of the college. Alumni from various branches were invited to share their experiences and college collaboration with other committees of the college. The alumni students invited were Ms.Kritika Gawte, Ms.Nishita Jagdale, Mr. Jivitesh Vagal, Ms.Mansi Jasoria, Ms. Tanvi Sheety having great knowledge in their own fields. The program began with a speech of HODs of each Department followed by an introduction of speakers and the host. Then the speakers shared their experiences followed by a Q&A session. Mr. Subodh Shinde and Mr. Om Mahadeshwar hosted the event which was initiated by a welcome speech and introductions. All the HODs welcomed the students and shared their experience with students and motivated them. The alumni students were then felicitated by their respective HODs. Then the alumni students started sharing their experiences in the 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. The session went very well. The program came to an end with a vote of thanks given by Mr.Subodh Shinde and Mr. Om Mahadeshwar.



Independence Day

PCE celebrated Independence Day with a spirited event showcasing patriotism and unity. We organized flag hoisting ceremonies, followed with cultural performances, and patriotic songs to honor the nation's freedom fighters. Educational sessions highlighted the significance of independence and the importance of preserving our democratic values.

Community service projects were undertaken to serve and uplift marginalized sections of society, embodying the spirit of social responsibility. Through these endeavors, NSS reaffirmed its commitment to fostering civic engagement and national pride among youth. Heads of the Institutes/Sections were present for the Independence Day celebration along with their Teaching, Non-Teaching staff and Students. Members of the Teaching and Non-Teaching staff were invited for refreshments to be served in the campus cafeteria after the Flag hoisting.





Teacher's Day

Better than a thousand days of diligent study is one day with a great teacher. Teachers have the power to inspire and change the course of our lives. The PCE Students' Council took the opportunity of Teacher's Day to show them how amazing a gift they are giving back to students every day. Discipline, hard work and responsibilities are some of the building blocks in our lives - the qualities we acquire from our teachers, who selflessly pass them down to us. Today was the chance to show our gratitude to teachers and give back to them in a small way. 5th September 2023, on the special occasion of Teacher's Day, PCE's Students' Council crafted a beautiful event for the teachers. The event was held in Conclave II. It commenced at 14:00 PM IST, and began with the felicitation of HODs and teachers of respective departments. Bookmarks designed by the student council were then presented as a token of appreciation. Following the felicitation, the event's highlight - An Eye Check-Up Camp, began with our sponsors for the day - Sai Drishti Eye Care. All the faculty members were invited to be a part of the camp, get their eyes checked and attain an analysis of their overall eye health.

The event moved ahead towards the conclusion, where our respected principal Dr. Sandeep Joshi addressed the audience. He shared some great experiences from his life and honored everyone with his insightful knowledge. He also went on to felicitate the entire team of Sai Drishti Eye Care for their unwavering support and dedication towards the camp. The event concluded with a vote of thanks extended to our Principal Sir, HODs, faculty advisors & members, who help to run the institution with great sense of understanding and responsibility, create a productive learning environment for its students and ensure the smooth functioning of the college to continually bring the talent and potential of PCE to the surface.



Dussehra

Dussehra is celebrated on the occasion of the victory of Lord Rama over Ravana. All the departments conducted puja with fervent energy. This puja was conducted one day before the actual date of Dussehra.



Republic Day

Republic day was celebrated with much enthusiasm at P.C.E. This day is celebrated as a tribute to our forefathers who had to go through immense struggles to transform our country into a sovereign nation. It is a day for all of us to celebrate the essence of unity, liberty, equality, freedom of thought and expression. The overall atmosphere was such that everyone's heart was full of patriotic fervor and deep love for the motherland.



Shivaji Jayanti

Date: 17/02/2024

NSS organized a vibrant celebration on Shiv Jayanti to honor the birth anniversary of the legendary Maratha warrior king, Chhatrapati Shivaji Maharaj. The celebration fostered a sense of pride and admiration for Shivaji's contributions to Indian history and culture among attendees.



International Women's Day

International women's day is celebrated on the 8th of March. Women have a robust spirit which makes them excel in their fields. They contribute massively to the lives of their family members and the country. On March 7th 2024, on the occasion of International Women's Day, PCE Students' Council conducted an Entrepreneurship Seminar in the Auditorium of Pillai College of Engineering under the direction of Faculty advisors.



Community Service day

Date:27-01-2024

On the designated Community Service Day, children from local welfare homes were warmly welcomed to our college campus. The day was filled with a variety of engaging activities and interactions, designed to uplift spirits and create lasting bonds. NSS volunteers organized a variety of fun and interactive games, sports activities, and team-building exercises to encourage laughter, teamwork, and healthy competition among the children.



10. Notable Achievements

Major Achievements, Awards, and Notable Events

Akhil Bharatiya Shiksha Samagam 2023 and 3rd Anniversary celebration of NEP 2020 implementation



PCE was selected as one amongst 20 IICs to be an Exhibitor in the Akhil Bharatiya Shiksha Samagam 2023 and 3rd Anniversary celebration of NEP 2020 implementation at Pragati Maidan on July 29-30, 2023. Dr. Arun Pillai and Dr. Avinash Vaidya were allowed to set up the stall at the exhibition area on the first floor of the hall. They also presented the bouquet to Hon'ble Prime Minister of India Shri Narendra Modi Ji in presence of Shri. Dharmendra Pradhan, Hon'ble Minister of Education and Skill Development and Entrepreneurship and Shri. Abhay Jere, Vice Chairman AICTE and Chief Innovation Officer Ministry of Education.



KAVACH 2023

PCE was selected as one of the Five Nodal Centres all over India to host the Grand Finale of KAVACH 2023, a 36 Hrs Non-Stop Cyber Security Hackathon, on 8-9 August 2023 with teams participating from all over the nation at Dr. K. M. Vasudevan Pillai Campus, New Panvel. Representing the western zone as Maharashtra's sole nominee, PCE continues its legacy as a competent host for prestigious AICTE events. The event was sponsored by AICTE, Ministry of Home Affairs, Ministry of Education and MIC. The Hackathon commenced with an inaugural ceremony led by Dr. Vinod Mohitkar, Director of DTE Maharashtra, and Dr. R. Unnikrishnan, Advisor AICTE. Addressing the participants, Dr. Unnikrishnan highlighted India's improved global innovation ranking and the alarming 121% increase in cybercrimes (2020-2023). He emphasized the Hackathon's role in inspiring innovative solutions to cybersecurity challenges.

A total of 23 teams, comprising 138 participants and their mentors, competed in the finale held. PCE's event culminated in a valedictory function on August 10, attended by esteemed dignitaries, including CEO Dr. K.M. Vasudevan Pillai, COO Dr. Priam Pillai, IPS officer Sanjay Shintre, and AICTE Advisor Dr. Unnikrishnan. IPS Sanjay Shintre highlighted the critical need for cybersecurity innovations, revealing that Maharashtra's cyber cell handles 1,000 daily fraud cases. He introduced the Maharashtra Cyber Security Project, which aims to curb cyber crimes and offers internships to students. Each winning team received a cash prize of ₹1 lakh, with encouragement to transform their ideas into products. Both the Ministry of Home Affairs (MHA) and the Ministry of Education (MoE) committed to supporting all teams in launching startups based on their problem statements. KAVACH 2023 provided a platform for students to innovate and contribute to cyberspace, emphasizing that every participant emerged as a learner, paving the way for future breakthroughs in cybersecurity.



Fig. Inauguration - 8th August 2023



Fig. Hackathon Venue



Fig. Valedictory Function - 10th August 2023

NAAC Margdarshan Scheme



IQAC PCE has been awarded a generous financial grant of Rs. 50,000/- by NAAC (An autonomous institute under UGC), through its Margdarshan Scheme (Hand Holding and Mentoring Cell - HMC). This grant aimed at providing guidance and support to various Higher Education Institutions (HEIs) to enhance their accreditation prospects.

Degree Course for Working Professionals



PCE Mahatma Education Society's
Pillai College of Engineering
An Autonomous Institute Affiliated to Mumbai University
NAAC Accredited 'A+' Grade

Ranked in Band 151-300 in the Innovation Category by NIRF

Happy to Announce

AICTE Approved Degree Courses in

1. B Tech in Computer Engineering with
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Eligibility Criteria

1. Professionals working in registered industries/organisations
2. Minimum 1 year full time/regular working experience
3. Passed 3 years Diploma program in Engineering with
at least 45% marks or B.Sc. with 45% marks

Institute has offered AICTE approved Degree Course in B.Tech in Computer Engineering with specialization in AI & DS and B.Tech in Mechanical Engineering with specialization in Electric Vehicle for the Working Professionals/Diploma holders with 30 intake.

Mentor Institute for IIC Activities



The Ministry of Education's Innovation Cell and AICTE has selected Pillai College of Engineering as a mentor institution under flagship IIC Mentor Mentee Scheme 2023 to guide five new IICs in innovation and entrepreneurial activities. This is the second consecutive time PCE is selected for the IIC MMP program (With Funding Assistance of Rs. 2.5 Lakh from MIC/AICTE). The selection is based on the performance of the IIC PCE since inception. The mentee institute for AY 2023-24 were:

- Thadomal Shahani Engineering College, Mumbai
- Pravara Institute of Medical Sciences, Lonere
- Lokmanya Tilak College of Engineering , Navi Mumbai
- G. H Rasoni College of Engineering, Nagpur
- Rajiv Gandhi Institute of Technology, Mumbai

SWE Girls in Robotics Program



PCE's SWE chapter was approved for the SWE Program Development Grant (PDG) of \$5000 (approx 4.15 Lakh) for the event titled Girls in Robotics: Inspire, Innovate and Impact. A one week free training workshop on Robotics was conducted from 6th May to 11th May exclusively for standard 6th to 10th standard Girl students. This training assisted students in developing abilities in both the hardware and software realms. PCE was the only affiliate in India to receive the Program Development Grant to conduct this 6 days "Girls in Robotics" event. We had a participation of around 80 participants from 35 different schools in and around Navi Mumbai.

Best Engineering Institute Award by Career 360



Overall Championship in Engineering and Technology



Pillai College of Engineering was awarded the trophy for Overall Championship in Engineering and Technology - 16th Aavishkar Research Convention at Kawasaji Jahangir Hall, University of Mumbai.

CTFC 2023

Conference on Technologies for Future Cities (CTFC 2023) a biannual signature conference of PCE was held on October 6th and 7th 2023. It was a significant event highlighting advancements in technology, urban development, and sustainability. The Chief Guest for the inauguration, Dr. R. Chidambaram, known as the "Oppenheimer of India," discussed urban challenges such as overpopulation, inadequate infrastructure, and flooding. Following this, Dr. Asim Tewari from IIT Bombay delivered a compelling talk on the role of AI in building sustainable smart cities. Dr. C.P. Vinod from NCL Pune addressed climate change and the importance of CO₂ conversion technologies for sustainability. Mr. Gajanan Pulsule of TCS elaborated on the evolution of the web, the concept of the Metaverse, and its potential to revolutionize industries like tourism and traffic management. Dr. Srivalli Shrikanth from MGM Dental College shared insights into computer-assisted maxillofacial surgery, emphasizing the balance between robotic assistance and human expertise. Total 62 research articles were submitted under six different tracks out of which 38 were selected for oral presentation and 12 were selected for poster presentation.

Day 2 began with a session by Mr. Avinash Shabade from the Institute of Engineers, who explored the evolution of Mumbai's railway stations and the importance of sustainable urban transport. Mr. B.K. Sethuraman from Celanese Corporation spoke on sustainable and advanced plastics for future cities. Dr. Priam Pillai, COO of MES, discussed integrating GIS, remote sensing, and AI to monitor urban expansion, pollution, and the spread of diseases like COVID-19. Microsoft's Bijon Roy concluded the plenary talks with a discussion on the potential job impacts of AI technologies like ChatGPT. The conference also featured an interactive panel discussion moderated by Dr. Lata Menon, with experts addressing issues in energy, sustainability, emerging technologies, and cybersecurity. The session underscored the symbiotic relationship between cities and their surrounding rural areas.

The event concluded with a valedictory session led by Dr. Devadatta Ratna of the Ordnance Factory, Ambernath. He highlighted innovations such as nanocrystalline coatings to prevent corrosion and advancements in fuel cell and supercapacitor research. CTFC 2023 provided an enriching platform for researchers, professionals, and scholars to share insights on emerging technologies and sustainable urban solutions.



Fig. Release of Conference Abstract Book CTFC 2023



Fig. Dr. Priam Pillai, COO MES and Principal Dr. Sandeep Joshi felicitating Dr. R. Chidambaram.



Fig. Dr. R. Chidambaram addressing the Research scholars at CTFC 2023

IDE Bootcamp

A two day Innovation, Design and Entrepreneurship (IDE) Bootcamp was organised by IIC_PCE on 4th and 5th April 2024. It was sponsored by the Ministry of Education Innovation Cell and AICTE. PCE received a grant of Rs. 8.69 lakhs from MIC and AICTE to Host this Two-Day IDE Boot Camp for School Teachers and Students as a Nodal Center. The goal of this boot camp was to initiate innovation, design, and entrepreneur skills among the youths of India. It is important for students and innovators to become job givers and creators rather than job seekers. The focus was to extend beyond completing the curriculum. Innovation is the key to the future of every nation, and it has the power to shape industries, leave a lasting impact on the world. This two day camp for Principals and teachers included the talk by Innovator, startup founder, IP Expert and student Entrepreneur.





MoUs

Cyber Secured India

Astroborne Space and Defense Technologies

PCE has signed an MOU with Astroborne Space and Defense Technologies, a company specializing in the development of next-generation crew modules and spacesuits. Astroborne aims to make human spaceflight more accessible and advance scientific knowledge in this field. Recently, Astroborne has expanded its focus to include defense technology. Through this MOU, students and faculty members will have access to valuable research and internship opportunities in Space and Defense Technologies.



Immortex Marketing Pvt. Ltd.

PCE has signed an MoU with Immortals Solar, a Ministry of New and Renewable Energy-empaneled vendor with a PAN-India presence. The MoU facilitates hands-on learning opportunities in solar technology for students, including collaborative projects such as IoT interface design for a solar unit at Belapur's Vipassana Centre. Additionally, PCE faculty-proposed innovations, like incorporating high-power diodes to enhance solar panel longevity, will be explored. This partnership aims to bridge the industry-academia gap, fostering skill development and market readiness among students and faculty.



Panvel Municipal Corporation



On 15th Feb 2024, NSS-PCE Signed a MOU regarding Environmental Awareness and Development Activity with Panvel Municipal Corporation in presence of Hon. Commissioner Mr. Ganesh Deshmukh sir.

Copyrights & Patents Received

1. A design patent has been granted to Dr. Gajanan Thokal for the "Portable Powder Metallurgy Press.
2. A Patent was granted to Dr. Sanjeev Kumar Srivastava for the title 'Controlling remotely operated vehicles using voice commands' on March 18, 2024.
3. A Patent was granted to Prof. Ravindra Rajaram Nikam and Sonali Ravindra Nikam for the title 'A reflecting coating on front windshield of the car on May 31, 2024.
4. A Patent was granted to Prof. P.S. Lokhande for the title 'Secure Credit Card Model For E-Commerce Transactions With USB Flash' on February 2, 2024.

Funding and Research Grants

- Dr. Priam Pillai (PI) and Dr. Divya Padmanabhan (Co-PI) received SERB grant of ₹35,00,000 for the project titled "Development of an In-vitro Instrument for Occlusal and Chewing Force Analysis and Testing of Dental Implants" .
- Dr. Deepali Shrivastava from the ASMH Department has received a grant of ₹4,52,534 from the DST on February 21, 2024, for a project with a duration of 3 years.
- Dr. Surabhi from the ASMH Department has been awarded a grant of ₹8,69,000 by the AICTE Boot Camp in April 2024.
- Dr. Monika Bhagwat has collaborated with a non-government organization to secure a scholarship fund of ₹42.5 lakhs for meritorious final-year students at PCE during A.Y 23-24.

Faculty Achievements

- Dr Prashant Lokhande was elected as Executive Director of MATPO
- Dr Amey Marathe is nominated as Member BoS, Mechanical Engineering, University of Mumbai.
- Dr. Prashant Lokhande of PCE received Outstanding Performance award from DST and Saksham Bharat, Government of India in the field of Training and Placement.
- Dr. Prashant P. Nitnaware was awarded the UEO SIRSA SUMMIT & AWARD in December 2023 by the Universal Educators Organization.

Student Achievements

- Ms. Prapti Kinare (BE IT) won two Gold and One silver medals at the Yogasana event of National Games held at Goa. It is her 2nd consecutive Gold winning performance at the National Games.



- Spark Racing Team, PCE participated in the Formula Imperial 2023 competition held at the Buddh International Circuit, Noida, from October 12th to 16th, 2023 and achieved an impressive 4th position overall and secured 2nd place in the Electric category. SPARK team won the following awards
 - Runner up in Engineering Design presentation
 - Clean pit award
 - Runner up in People's Choice Award
 - Best women participant award.



- Two teams from PCE secured 1st and 3rd rank in Semifinal round at BUDDHI 2.0 Clay Sculpting Competition the National Level Clay Sculpting Competition organized by Institute of Industrial Design
 - Team 1 - 1st Rank : Aditya Sanas (BE AUTO), Omkar bondre (BE AUTO), Kishor biradar (BE AUTO), Rohit sanil (BE AUTO)
 - Team 2 - 3rd Rank : Diptesh Sharad Sathe (BE AUTO), Rohan Rajkumar Lade (BE AUTO), Mehboob Badshanabi Shaikh (BE AUTO), Aftab Javed Jiwrak (TE AUTO) and Shreyas Masekar (TE AUTO)

The Final was held at IID, Chennai on 13-14th Oct 2023. Total 3 teams participated from PCE at Pune for the semifinal. Teams worked on 1:20 Scaled clay models of different car models provided by organizers from scratch for two days.



- Shubham Jha, a third-year Computer Engineering student, secured the first prize, an HP Laptop, in the Programming Idle competition organized by MaTPO. The prize distribution event took place in Pune on October 22, 2023.



- PCE's Team Herculean has Won the Smart India Hackathon 2023 Hardware Edition. The problem definition was Development of low cost myoelectric prosthetic arm and the Team members are Om Mahadeshwar (TE Mech B - Team Leader), Rachna Soni (TE EXTC), Subodh Shinde (TE Mech B), Benyamin Varkey (TE Mech A), Lins MaleyKil (TE Mech B) and Prem Gowari (TE Mech A). Team Mentors were Prof. Binsu Babu from Mechanical Department and Prof. Shubham Thakur from EXTC Department.



- Team Q-star from PCE's Computer Engineering Department won the National Level Rajasthan Police Hackathon 1.0 held at the Rajasthan International Centre in Jaipur on January 17th and 18th, 2024. The problem statement was System for Geo-tagging of privately owned cameras and analysis of footage through the AI-ML model. The brilliant team members of the team were: Shreyash Kamble - TE COMP B, Om Bothre - TE COMP A, Nishant Dixit - TE COMP C and Rachit Tandale - TE COMP C



- Cyber Secured India, with its extensive expertise in cyber security and digital forensics since 2014, has bestowed an honor upon Pillai College of Engineering as part of its 10th anniversary celebrations. Prof. Sheetal Gawande represented PCE at CSI conference held on 26th Jan 2024 at Mumbai.



- Team Optimistic from PCE's Information Technology Department won the OPHacks held at IIT Bombay on January 26th to 28th, 2024. The team competed against 30 other teams and emerged victorious, winning a grand prize of \$5000. The brilliant team members were: Dhruvang Choudhari - TEIT and Tushar Karkera - TEIT



- NSS-PCE has received an award for Working in Coordination with Panel Mahapalika for BAPPA MAZA PARYAWARNACHA RAJA and other Environmental Friendly Activities.



- Gaurav Sanjay Pawar (Team Code Simulators), a second-year Computer Engineering student, won the first prize and a cash reward of Rs.55,000 at the PICT TechFiesta International Hackathon held by Pune Institute of Technology on March 29-30, 2024. The event drew 250 registered teams, narrowed down to 100 for the second round and only the top 30 for the finale nationwide. Gaurav's winning solution addressed the problem of Waste Management in Villages, utilizing a powerful Flutter app that integrates ML and IoT technologies. The app features truck route optimization, gamified user engagement, waste management education, dumpsite monitoring, and event coordination, all aimed at enhancing efficiency, sustainability, and community involvement.



- A team of the Computer Engg department won the Best paper award at ICATM-24 conducted by AC Patil COE on 5th April 2024, for the research work on "Node classification in website fingerprinting using graph neural network". Team leader was Suaz Hanif M. and Team members were Adheesh Sreedharan, Priyanshu Chilkoti, Rahul Kage. Project guide was Prof Suresh Babu



- Team Shastra from PCE's Computer Engineering Department won third place in Stackoverflow held at Pillai HOC college of Engineering and Technology on March 14th to 16th, 2024. The team competed against 65 teams and bagged the prize of Rs.10,000/-. The enthusiastic team members were: Siddhi Thoke - TYCOMP, Pranav Sunil - TYCOMP, Bedant Hota - TYCOMP, Sankalp Dubedy - TYCOMP.



- Team Qstar from PCE's Computer Engineering Department were the Runner's Up in Govt. Of India's



Bhashini Sprint Hackathon held on May 24th, 2024. The team competed against multiple startups and teams across India and bagged the prize of Rs. 2 Lakhs /-. The enthusiastic team members were: Nishant Dixit - TY COMP, Sahil Sasane - TY COMP, Om Bothre - TY COMP, Shreyash Kamble- TY

COMP and Rachit Tandale - TY COMP C

- Team SpeakIt from PCE's Computer Engineering Department has proudly secured the runner-up position in the Bhashini Sprint Hackathon competition conducted online.



Throughout three intense rounds of competition, the team emerged victorious, earning a prize of Rs. 2,00,000. The enthusiastic team members were: Anika Padmanabhan- TY COMP, Shreya Sanap - TY COMP, Aarya Zunjarrao- TY COMP, Laxmisneha Chilukuri - TY COMP, and Rupali Rana - TY

COMP A

- Team Lumina from PCE's Computer Engineering Department emerged victorious at the



Karnataka State Police Datathon, held on June 22nd, 2024, at the Microsoft Research Office in Bangalore. The team worked on developing a Comprehensive Dashboard for police performance and resource management. The team competed against a total 380 teams across India and bagged the FIRST prize of Rs. 1Lakhs /-. Team members were: Tarun Behera (Team Leader) - TY COMP, Varad Page-TY COMP, Sunny Chavan- TY COMP and Atish Suslade- TY COMP.

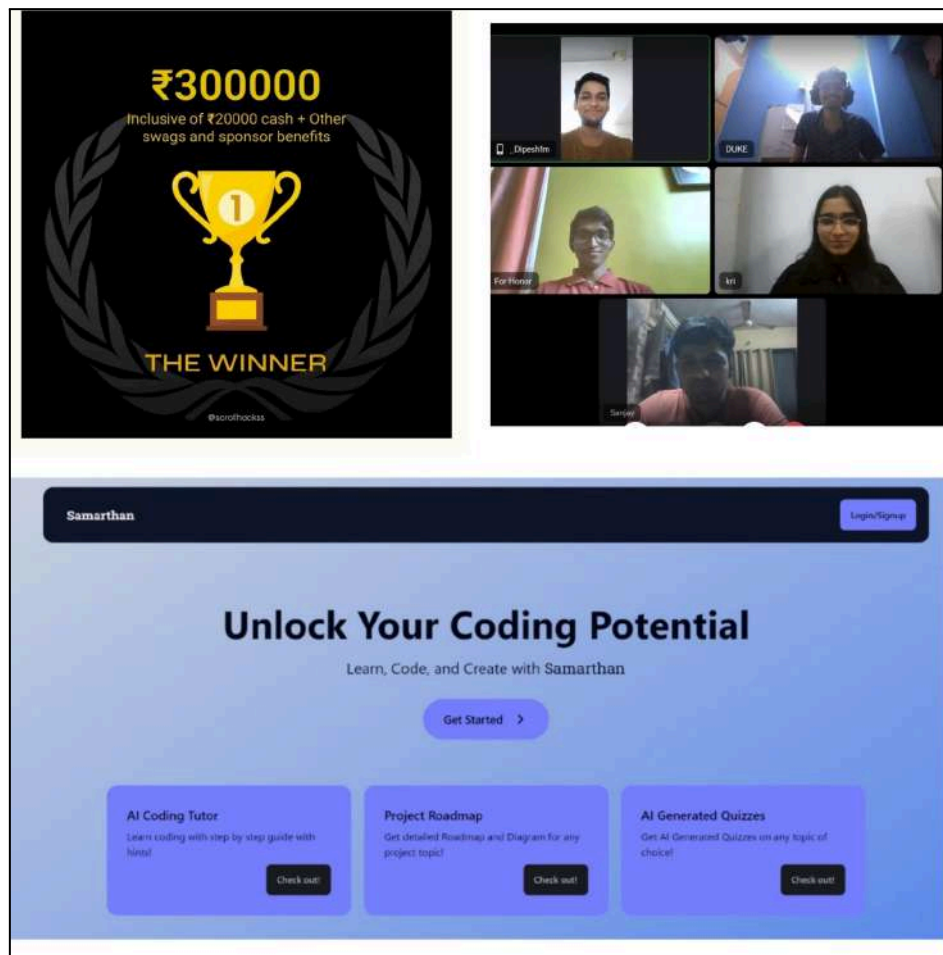
- Team Vayu comprising of Nishant Dixit, Rachit Tandale, Om Bothre, and Sahil Sasane from Final-year computer engineering department have emerged as winners of the



Google GenAI Exchange Hackathon 2024. With over 38,000 registrations, 3,300+ teams, and 857+ idea submissions, this Hackathon was a remarkable success. The team's project focused on Gemini-Enhanced AI for Mental Health & Emotional Support.

- Third Year (IT) students won 1st prize at the Inohax 1.0 Hackathon ! Team consisted of Yash Raikar (TY IT), Munir Siddiqui (TY IT), Urmi Sawant (TY IT) and Atharva Kolekar (TY COMP). Together, they showcased their exceptional talent by developing an innovative Career Guidance Web App. Competing against 30 teams, they demonstrated impressive skills in AI and EdTech, earning them a cash prize of ₹10,000.

- Team Vimarsha won 1st Place at ScrollHacks, a prestigious global hackathon! Competing against over 200 teams worldwide, Team Vimarsha emerged as the top winners, securing the first position and claiming the first chunk from the prizepool of 10 Lakhs INR. This hackathon was powered by industry leaders like GeeksforGeeks, DevFolio, Polygon, Blockchained-India, ETHIndia, Oxday, Verbwire, and many more. Project: An AI Coding Tutor SaaS platform designed for both corporate and college training. This GenAI-based EdTech solution offers a personalized learning experience through AI-driven upskilling paths and gamified progress tracking, enabling users to enhance their skills efficiently and engagingly. Team Members were: Dipesh Mishra (TY IT), Krishna Agrawal (TY IT), Sanjay Sudhakaran (TY COMP), H Pradeep (TY COMP) and Saket Singh (TY COMP)



- Ms. Shrushti Gajanan Jagtap from PCE's ECS Department placed at Flipkart as a Software Development Engineer with an annual package of 32 lakhs.

