



Annual Report 2022-23

Mahatma Education Society's
Pillai College of Engineering
IIC ID: IC201912061



A. About IIC Institute

Vision of the IIC PCE

The Institution's Innovation Council at Pillai College of Engineering will inculcate the entrepreneurship culture among students, faculty members and alumni. It will train a diverse population of students to become responsible professionals or entrepreneurs in a technical arena. It will further train the faculty members and students to contribute in Nation building through an entrepreneurial mind-set.

Mission of the IIC PCE

To develop entrepreneurs 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 start-up founders.

Objectives

1. Monitor and recommend IP generated by faculty, staff and students for and trademarks.
2. Have information sessions and workshops for faculty and students on IPR related topics.
3. To act as an institutional mechanism for providing various services including information to budding student entrepreneurs.
4. To create Entrepreneurial culture in the campus and to promote the objectives of Mahatma Education Society, including programmes related to women and weaker sections of the society.

Responsibilities

1. Formulate an IPR policy for the Institute.
2. Monitor the progress every year towards the laid down goals of MoE's Innovation Cell.
3. Organising Workshops and Lectures periodically to create awareness about entrepreneurship.
4. Functioning as a guide for students with creative ideas which can be transformed into successful companies.
5. Providing Mentorship through individuals for students launching their start-ups.
6. Organize events and competitions related to entrepreneurship.
7. Support other HEIs and Schools towards Innovation and Entrepreneurship

Journey of the IIC at PCE

Pillai College of Engineering (PCE) started its entrepreneurial journey with establishment of Pillai Center of Innovation and Entrepreneurship (PCIE) in 2015. This center conducts Idea competitions, investor interactions and provides office space for in campus startup enthusiasts. More than 30 startups are supported by PCIE till date. PCE has winners in every edition of SIH and IIC

Innovation Contest and other National and International Hackathons. PCE has also hosted many National level events, both in online and offline mode.

The IIC PCE was established in AY 2019-2020. It provided the boost to all startup related activities at PCE. We are organising various events and workshops to encourage students to take up entrepreneurship as a career choice. With all these efforts, we received **5 STAR** for the efforts taken in 2019-20 and 4 star (highest rating) in 2020-21. We also have achieved ARIIA rank in band B (private colleges) in ARIIA 2020 and Band 'Performer' in ARIIA 2021. We have adopted and implemented the NISP and we are one of the first Engineering colleges all over India to do so. NISP Coordinator has also made a presentation in November 2020 regarding NISP implementation at national level for all Institutions. PCE was also the Nodal Center to host TOYCATHON 2021 and also few faculty were evaluators at other NCs. PCE incubated Valectus Pvt. Ltd. won the Maharashtra startup week award 2020. IIC PCE is one of the 50 institutes all over the nation to be selected as a mentor institute for the Mentor-Mentee Program of IIC, MIC for the academic year 2021-22. Three ATL schools linkages and Two Institutions referred for IIC have accepted the invitation of IIC PCE. PCE has also registered a company under section 8 to enhance the entrepreneurship culture. IIC PCE has been selected for a Knowledge sharing session on IP and Technology Transfer at the IIC Regional Meet at Symbiosis International (Deemed University), Pune. PCE IIC also won the Best Creative Poster award. IIC PCE was ranked between 151-300 in NIRF Innovation Ranking 22-23, received sanction to establish AICTE approved IDEA Lab, was One of the five Nodal Centers for hosting KAVACH 2023, Cyber security Hackathon. IIC PCE members were fortunate to meet Hon'ble PM Shri Narandra Modiji and present the bouquet on behalf of Pillai Group of Institutions at Akhil Bharatiya Shikshan Samagam 2023, Pragati Maidan, New Delhi on 29-07-2023.

Representation in the IIC established at the institute from industry, Interdisciplinary Departments/ Units

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.

B. Brief mention of key functionaries at the IIC Institute

Internal Members

1. Head of Institution: Dr Sandeep M. Joshi
2. Convenor: Dr Priam Pillai
3. President & Startup Activity Coordinator : Dr Richa Agrawal
4. ARIIA, NIRF and IDEA Lab Coordinator : Dr. Avinash R. Vaidya
5. IPR Activity Coordinator: Dr P S Goyal
6. Internship Activity Coordinator: Dr Prashant Lokhande
7. Innovation Activity Coordinator: Divya Padmanabhan
8. Member: Dr. Sharvari Govilkar
9. Entrepreneur & IDEA Lab Co-coordinator : Dr. Arun Pillai
10. Social Media Coordinator: Mr Lalit Mehta
11. Member: Harsha Ghadge
12. Member: Varunakshi Bhojane

13. Member: Gayatri Hegde
14. Member: Sonali Kathare
15. Member: Deepti Lawand
16. Member: Salim Jafri
17. Member: Bhagwan More

External Members

1. Member, Incubation Center: Dr Celina Joy
2. Member, Incubation Center: Susanna Cherian
3. Entrepreneur: Franav Pillai
4. Entrepreneur: Munawira Kotyad Pillai

Student Members

1. Innovation Coordinator : Adarsh Rai
2. Innovation Coordinator : Shreya Naik
3. Innovation Coordinator : Sangram Khot
4. IPR Coordinator : Jatin Chaudhari
5. Social Media Coordinator : Sudiksha Dilip Jadhav
6. Internship Coordinator : Aarushi Borkar
7. Internship Coordinator : Adithi Damodar Shetty
8. Internship Coordinator : Indraajith Nair
9. Startup Coordinator : Raj Sachin Patil
10. Startup Coordinator : Nair Rohan Unnikrishnan
11. Startup Coordinator : Akhil Sanjeev Nair
12. Startup Coordinator : Amritha Sundara Moorthy
13. Startup Coordinator : Atharv Gorade
14. Startup Coordinator : Lakshit Shrimali
15. Startup Coordinator : Tejas Vilas Khaire
16. Startup Coordinator : Ayush Sharma
17. Startup Coordinator : Viraj Narendra Rane

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

- Total No. of IIC Members : 37
- Total No. of IAs : 10
- Total No. of faculty Mentors : 17
- Pre-Incubation Units, If any : 10
- Incubation Units, If any : 02
- IP Facilitation Unit, If any : 01

D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Sr. No	Name of the facility	Facility Type
1	Pillai Center of Incubation and Entrepreneurship	Incubation Unit
2	Launchpadx Foundation	Incubation Unit
3	Drone Laboratory	Pre Incubation Unit
4	IDEA Lab	Pre Incubation Unit
5	Component Library	Pre Incubation Unit
6	Polymer Science and Engineering Laboratory	Pre Incubation Unit
7	Mining Engineers Association of India (MEAI) Skill Tech Center	Pre Incubation Unit
8	Cybersecurity Solutions Laboratory	Pre Incubation Unit
9	CISCO Networking Academy	Pre Incubation Unit
10	Industry 4.0 Laboratory	Pre Incubation Unit
11	5G Technology Laboratory	Pre Incubation Unit
12	Automatic Weather Monitoring Station developed jointly with the Department of Meteorology, Government of India	Pre Incubation Unit
13	Urban Expansion Observatory	Center of Excellence
14	Center of Excellence for Future Cities	Center of Excellence
15	Pillai Centre of Innovation and Entrepreneurship (PCIE)	Research Park
16	IPR Cell	IP Facilitation Unit
17	Institute of Electrical and Electronics Engineers (IEEE) Student Chapter - PCE	Student Body
18	Society of Automotive Engineers -Pillai College of Engineering	College Affiliate
19	Computer Society of India (CSI) Student Chapter - PCE	Student Body
20	Automobile Engineering Students Association (AESA)	Student Body
21	Mechanical Engineering Students Association (MESA)	Student Body
22	Pillai College of Engineering (PCE) Student Council	Student Body
23	Hyperion Racing Team	Student Body
24	Indian Society of Heating Refrigeration and Air Conditioning Engineers - Pillai College of Engineering (ISHRAE PCE)	Student Body
25	Electronics and Telecommunication Students Association (ETSA)	Student Body
26	Vanguard Racing Team	Student Body
27	SPARK Racing Team	Student Body
28	Training and Placement Cell(TPC)-PCE	Student Body
29	TAPAS-PCE Wellness	Student Body
30	PCE Nature Club	Student Body

E. Highlight Achievements (Narrative/Graphical/tabular representation)

- NIRF Innovation Ranking (151-300)



Secured position in the **Band of 151-300** in the Innovation Category.

One amongst the 20 private colleges in Maharashtra to achieve position in top 300.

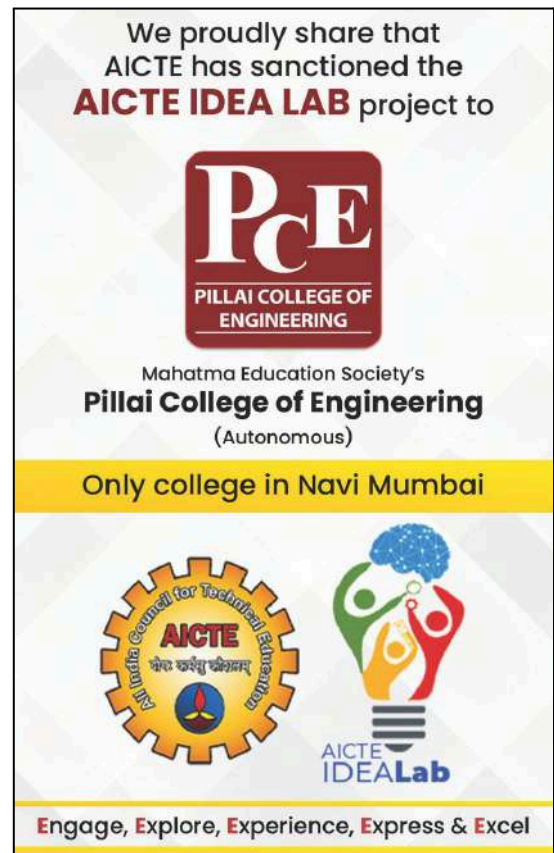
PCE Pillai
PILLAI COLLEGE OF ENGINEERING

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

nirf

NIRF
INNOVATION RANKING 2023

24x7 Laboratory to support translation of creative ideas into prototype.



We proudly share that AICTE has sanctioned the **AICTE IDEA LAB** project to

PCE
PILLAI COLLEGE OF ENGINEERING

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

Only college in Navi Mumbai

AICTE
All India Council for Technical Education
विद्यया ऽ मृतमश्नुते

AICTE IDEA Lab

Engage, Explore, Experience, Express & Excel

- Established AICTE IDEA Lab
- Business Plan Competition 2023



BUSINESS PLAN COMPETITION 2023

1 LAKH PRIZE

Contact Details

Prof. Richa Agrawal
PCE (9619208203)

Prof. Harsha Ghadge
PCE (9664736770)

Last Date to Register: 15th July 2023

- Students studying in institutions under Mahatma Education Society can participate in this competition.
- Register your team (2 to 5 members per team).
- The team may include an alumni of the college (provided the alumni has completed studies not earlier than 31st March 2021).
- A student can be member of maximum two teams.

Register & Submit Your Ideas Here: bit.ly/PillaiBusinessPlan23 | pce.mes.ac.in

- Representation in NEP 2020 Exhibition, Akhil Bharatiya Shikshan Samagam 2023, Pragati Maidan, New Delhi on 29-07-2023



- One of the five Nodal Centers for hosting KAVACH 2023, Cyber security Hackathon



- Participated in IDE Bootcamp at COEP, Pune



- 10 Innovation Ambassadors (Basic and Advanced)
- Number of and different types of I&E and IPR activities Conducted : 44
- No. of student's & faculty ideas generated : 24
- No. of student's & faculty Innovation/prototypes developed : 52
- No. of IPs generated, published and granted : 38 patent and 22 copyrights
- No. of Student & Faculty Start-ups/Ventures established : 32
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus: Rs. 20,32,474/-
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR: Rs. 50,78,413/-
- No. of Technology Transfer and Commercialisation happened : 05

F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

- Three teams were selected for Smart India Hackathon 2022 out of which one team was winner and one was runner up.



Team HOME BREW - Winner



Team PHANTOMSS - Runner Up

- 10 IAs have completed Advance Level Training.

- Dr. Avinash Vaidya, Dr. Richa Agrawal and Dr. Arun Pillai were invited as a jury member for the evaluation of Startup applications by the Maharashtra State Innovation Society.
- Rohan Nair and Team bagged the 3rd position and a cash prize of INR 10000 at the District level event Startup Bootcamp, an initiative of Maharashtra Government.



G. Highlight selected best Innovations & images with mention of inventor/innovation name

- Student Book Shop is an online books shop whose aim is to provide expensive text books at the cheapest price possible to every student in any place in India with fastest delivery at their doorstep. They work on a direct warehouse dispatch system which helps in reducing delivery time and transport and focus on mandatory textbooks recommended for the medical fields of study.



- Live at Campus (LAC) is an overseas education consultancy that provides comprehensive guidance and support to students who want to study abroad and helps them with on boarding and finding accommodation as well.



- One Web Solutions is team specializing in content writing, web development, and app development. They give a platform to individuals and businesses by offering tailored, high-quality and cost-effective solutions that help establish a robust online presence.

H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

Sr. No.	Company Name	Founder Name
Faculty Startup		
1	Valectus	Priam Pillai
2	Trendset Power and Technology Consultants	Asha Arun Pillai
3	Bombay Bots	Salim Jafri
4	SWEEKRITI ASSET LLP	TUSHARIKA B
Student Startup		
5	Apptroid Technologies	Tushar Hadawale
6	Tech2edge Pvt Limited (Tug.Social)	Chinmay Sandeep, Abhishek Gaikar
7	Yuva Home Tutors	Vishal Avhad
8	Whatyoutech	Akash Pera
9	Azendiv Technology OPC Pvt Ltd.	VIRAG SANATAN RAUT
10	RAVLE CONSULTANCY SERVICES PRIVATE LIMITED	NISHANT NAGUJI RAVLE
11	SHRI JI PACKAGING	Vaibhav Anil Gupta
12	T R Automation & Electrical Works	Tushar Patil
13	OUTRAN WEARABLE PVT LTD	Shubhankar Maurya
14	R V Automobiles	Dinesh R. Patil
15	PREVALENT AUTOMOTIVE PVT LTD	Viraj Shetty and Balvir Sharma

16	Tech2edge	Abhishek Gaikar and Chinmay Girnarkar
17	APPTROID TECHNOLOGY	HADAWALE TUSHAR PRAKASH
18	DK AUTOMOTIVE SERVICES	DEEPAK KUMAR NANDAKUMAR
19	SERVICE LANE	YASH (EXTC)
20	Wanderworld Holiday	Bhavneet Singh (IT)
21	Aakar Labs	Sayyed Husain Abbas Shabihul (IT)
22	Creativity Explode	Tejas Mayekar (COMP)
23	The Crazy Entrepreneur	Raghvendra Lola (COMP)
24	Softly Vintage	Sourabh Pargaonkar COMP)
25	MRIDAKRANTI PVT LTD	Dayanand Juwatkar
26	Student Book Shop	Farhan Shaikh
27	Live at Campus (LAC)	Ms. Tanvi, Ms. Manali, Ms. Shobha & Ms. Siddhi
28	One Web	Mr. Nikesh, Mr. Akash, Mr. Vivek, Mr. Ayush

I. List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation

- Prabhalyam: The proposed system assists with decreasing the mishaps that are caused because of the health-related issue. The project incorporates a wrist band that will completely screen the circulatory strain, pulse, heartbeat, and so on. When the driver's condition starts deteriorating It will indicate whether or not the driver is in better health, which will be received by the recipient. The 'collector' receives the sign, and the motor dials back in 15 seconds to avoid mishaps and a crisis ready message
- Smart Door Lock System: The proposed solution to the aforementioned matter is a Face Recognition Security System, which can detect intruders to restricted or high-security areas, and help in minimizing human errors. The smart door lock system uses facial recognition to provide a higher level of security than traditional lock and key systems and is capable of sending alert messages to the owner.
- Design and Development of Wall Climbing Robot For Crack Detection: The system is developed for inspection of tall infrastructure which otherwise is time consuming and expensive

J. Participation of IIC-institute in various programs of Central and State Govt. Highlighting specially for the schemes or programs

-
- NIRF Innovation Ranking Rank 151-300
- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation
Yes: One of the first Engineering Colleges across India to adopt and formulate the Startup Policy
- Smart India Hackathon

- Representation in NEP 2020 Exhibition, Akhil Bharatiya Shikshan Samagam 2023, Pragati Maidan, New Delhi
- One of the five Nodal Centers for hosting KAVACH 2023, Cyber security Hackathon
- YUKTI Innovation Challenge
- KAPILA : Received funding of Rs. 11,200/- under AICTE's KAPILA scheme for patent filing for AY 2021-22.

K. Detail of Social Media & Connections of IIC institute

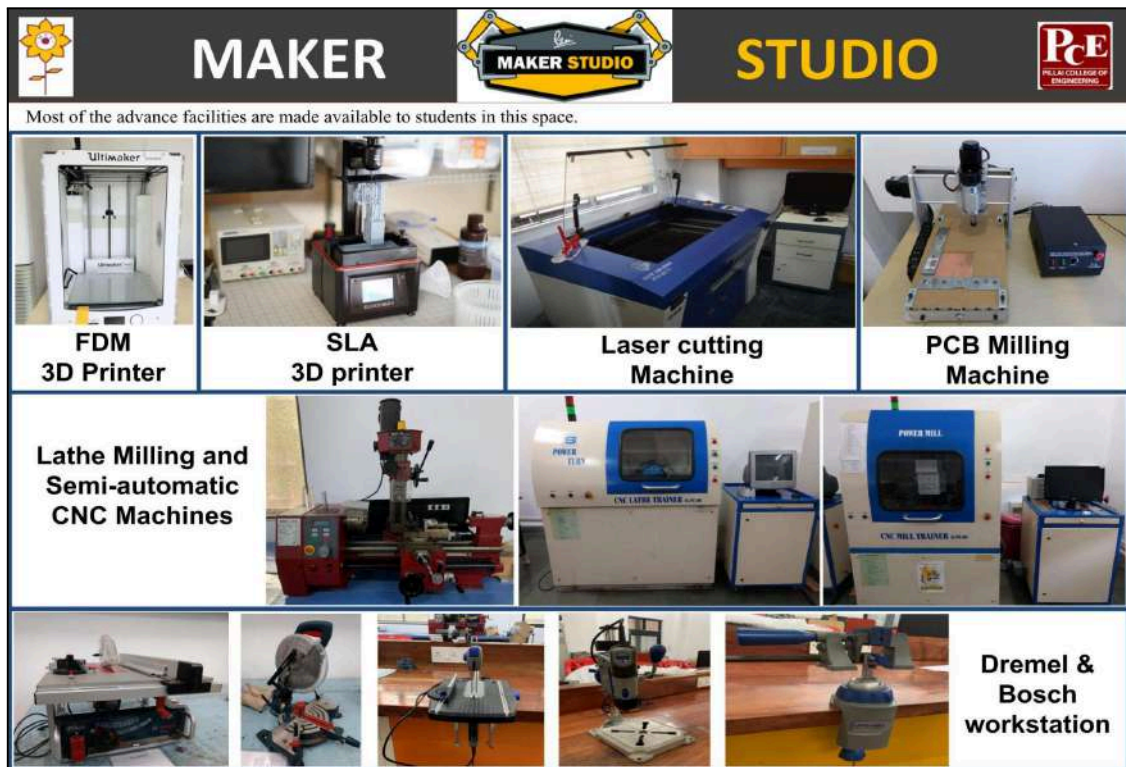


L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

- Nishant Ravle, an alum and the Founder & Director of Ravle Consultancy Services Pvt. Ltd., commented on the noticeable year-over-year improvements in the college's support for startups, highlighting the valuable assistance he personally received from the college while establishing his venture, Ravle Consultancy.
- Renowned industrialist Mr. Maruti Pawar conveyed his congratulations to Pillai College of Engineering for its commendable endeavors in promoting startups and nurturing innovation. Mr. Pawar, a long-standing member of the college's Board of Governance, also lauded the significant progress he has observed at Pillai College of Engineering. He underscored the significance of institutions like Pillai College of Engineering in actively fostering an entrepreneurial mindset among students, aligning with the government's ATMANIRBHAR Bharat initiative. Mr. Pawar pointed out that Pillai College of Engineering stands as a premier institution in effectively implementing these vital initiatives.
- Mr. Swapnil Gaul, a young entrepreneur (Founder and Director, NUMERGION TECHNOLOGY PVT LTD) has played a role in the establishment of the National Innovation and Startup Policy at Pillai College of Engineering. Furthermore, he commended the college for the remarkable progress in innovation and acknowledged the significant contributions made by the Pillai Center for Innovation and Entrepreneurship (PCIE) in this regard. He also expressed his appreciation for the initiatives undertaken by MIC's Innovation Cell to promote entrepreneurship in India and the creation of innovation hubs in colleges and universities nationwide.

M. Images

Facilities at PCE



Component Library

- Established in 2016 January
- From scrap old project components.
- Facilitates all department
- Expert Guidance.

- Issue Components
- No deposit
- 1 Month Renewal Period
- Rs.2/day/component Fine

			
<ul style="list-style-type: none"> Raspberry Pi's Quadcopter Kit Microprocessors 	<ul style="list-style-type: none"> Arduino's 3d Printer Kit Sensors and actuators 	<ul style="list-style-type: none"> Microcontrollers Resistors, Diode, IC's Capacitors, 	<ul style="list-style-type: none"> Mechanical parts Motors Wireless communication



Co Working Space



Incubation Centre



Industry 4.0 lab



Research Lab

Quarter I

Seminar on Shaping Career Opportunities through Innovations



IIC-PCE organised a Seminar on Shaping Career Opportunities Through Innovations in collaboration with Creative Ideas & Innovation in Action to provide an excellent opportunity to the participants on Tuesday, September 27, 2022 from 3.00 pm onwards. The Speakers for the Seminar were Dr. A P Jayaraman, Nuclear Scientist, Chairman, National Centre for Science and Communications and Mr. Baldevkrishan Sharma, Rashtrapati Awardee for Inventions and Innovation, Founder and Chairman of B. S. Marshalls Foundations.

Makerthon



MAKERTHON 2022 was organized by Pillai College of Engineering on the 9th of December. The event witnessed participation from over 100 schools and colleges. The inaugural function was presided over by Dr. Sandeep Joshi (Principal PCE) and Dr. Arun Pillai (Event Coordinator). The importance of “learning outside the classroom”, “team work” and “time frame” was emphasized by the organizers. Dr. Arun Pillai explained the general rules of the competition. Dr. Manju Pillai and Dr. Divya Padmanabhan 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 'Nutritious India' and 'Man and Machine' the participating teams were given the topics of 'Build your own calorimeter' for the school category and 'Lifty Titan' for the junior college category. The school and junior college students were expected to conduct the online referencing, followed by implementation. As stated earlier in the general guidelines, the different materials available had to be arranged in a logical sequence for preparing a calorimeter capable of reducing the heat loss as well as provide oxygen flow for burning the given food item for determining its calorific value. The students had to arrange the names of the given food materials in the increasing order of their calorific values. Likewise the teams from the junior colleges were expected to prepare a mechanical motor operated and switch controlled cardboard crane. The students were expected to demonstrate the ability of the automated crane to lift and displace a 150 gm weight. The teams worked on various permutations and combinations of the chosen component options for finding the optimum solution. It was good to see the enthusiasm amongst all participants.

Interactive Session on MVP with Successful Entrepreneurs

An Interactive Session on Minimum Viable Product (MVP) with Successful Entrepreneurs on September 12, 2022 from 11.00 am onwards. The speaker for the session was Dr. Y S Rao, Director of Go-green Technologies Pvt. Ltd. He is also Vice Principal at SPIT. He visited the campus for signing MoU for product development and collaboration. His informative talk on MVP was very much appreciated by the attendees.



INTERACTIVE SESSION ON MVP WITH SUCCESSFUL ENTREPRENEUR
September 12, 2022 at 11.00 AM

SPEAKER
DR. Y S RAO
VICE PRINCIPAL SPIT
DIRECTOR, YERRAMREDDY'S GO-GREEN TECHNOLOGIES PVT. LTD.

VENUE
CONCLAVE 2, 6TH FLOOR
PILLAI COLLEGE OF ENGINEERING, NEW PANVEL.



Impact of COVID-19

- 'CO' stands for corona, 'VI' for virus, and 'D' for disease: Novel?
- What is learning?
- Life lessons?
- Is the nature is correcting itself?
- Sensitivity towards environment?
- Self immunity?
- Normal: Work from home, "Domestic Violence"

Navi Mumbai, Maharashtra, India
Pillai College Of Engineering, Triveni Society, Sector 16, New Panvel East, Panvel, Navi Mumbai, Maharashtra 410206, India
Lat 18.990448°
Long 73.128102°
12/09/22 11:24 AM GMT +05:30

Maker's Day



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



PCE
PILLAI COLLEGE OF
ENGINEERING
AUTONOMOUS

MAKERS DAY 2022

3rd Dec 2022 Time : 09 am - 01 pm

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

CAD FEA Lab (J201)
AutoCAD / Solidworks
ANSYS
MATLAB

Metrology and Quality Control Lab (J202)
Inspection and Quality Instruments

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

Automotive Lab (Workshop Shed)

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

Material Technology Lab (J101)
Material Testing Facility

PC Assembly & Debugging (J101)
Assembly and disassembly of PC

Microprocessor and Microcontroller Lab (T401)
Atmel 89v51RD2
PIC Microcontrollers
Interfacing Devices - DC, Stepper Motors
ADC/DAC, LCD, Keypad etc.

Communication Lab (T403)
Analog Mod/DeMod Kits
Digital Mod/DeMod Kits
Digital Signal Processing Kits
Various Antennas



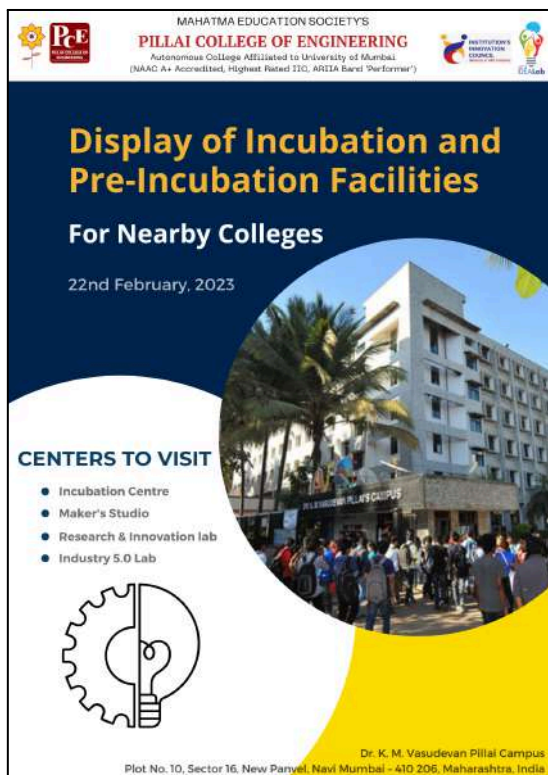
The idea behind this event is to make all students aware about facilities available in PCE campus and inspire them to make use of available resources to find solutions to the problem statements of their projects. Maker's Day helps the students to familiarize themselves with all the departmental facilities 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 them in their project work.

Quarter II

National Science Day



Nuclear Science and related technologies have a profound influence on society. They have improved the quality of life for mankind. To mark its importance, IIC PCE organised a session by an expert in the field, Dr. Swaminathan Kailas, on the occasion of National Science Day, on 1st march 2023 at 3.00 pm.



Display of Incubation and Pre Incubation Facilities

IIC PCE organised a visit for nearby institutes to display the Incubation and Pre Incubation Facilities at Pillai college of engineering. Students of Management institute visited to know about incubation and pre-incubation facilities. The visit was arranged to inculcate the Entrepreneurial mindset

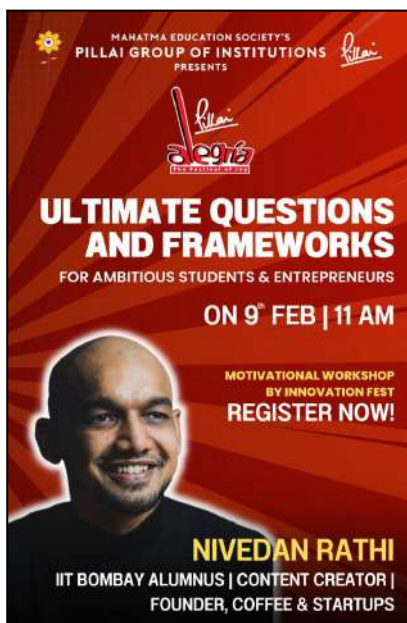
amongst these students and To make the participants understand the process of converting ideas into prototype. It helped the participants to understand the various steps involved from idea generation to proof of concept.

Innovation Fest



IIC PCE with team Alegria organized an Innovation fest which consisted of 3 seminars by experts in different domains and an idea competition “Shark Tank”. An elimination round was conducted before the final round from the entries received on 4th February, 2023.

Workshop on IPR, Motivational Workshop and Decoding Finance Jargons - Simplified



Workshop on Intellectual Property Rights (IPR) was conducted by Dr. BK Sarkar, a renowned patent expert with over 1000 patents to his name. The workshop aimed to provide participants with an in-depth understanding of IPR and how to document their ideas for patent protection.

A motivational workshop on Ultimate Questions and Frameworks was organized for aspiring young student entrepreneurs. The workshop was conducted by Mr. Nivedan Rathi, an IIT

Bombay alumni and Ex Meesho Head of Marketing. The objective of the workshop was to provide participants with insights into the right questions and frameworks for entrepreneurship.

Workshop on Financial Management was conducted by Mr. Paresh Desai, a Chartered Accountant with over 25 years of experience in the field. The workshop aimed to provide participants with an in-depth understanding of financial management and how to manage their finances while starting a business, as well as their personal finances.



Workshop on Entrepreneurship Skill, Attitude and Behaviour Development



The speaker for the session was Mr. Atul Zanzurne, Cofounder and CTO at TUSK. Before taking a product to market, it is critical to ensure value for potential customers, as well as that there is demand and that your final products are of the highest possible quality. Any new or existing product to be developed successfully should have a plan in place. The speaker demonstrated these concepts very well during the workshop. The participants learnt how to deal with the major challenges, as well as the processes, tools, and techniques involved in the design and development of new products that have the potential to be successful in an ever-changing marketplace.

Fresh Biz 2023

PCE took an initiative to significantly contribute to the society through our flagship event Soch Alegria on 31st January, 2023. This year being the tenth anniversary of Alegria some incredible events were planned for the same. The event for Soch Alegria was named Fresh Biz and an Art Exhibition where the Students, faculty and alumni of the college got an opportunity to exhibit their innovative startups and creative artworks to the crowd and take part in the auction. Alegria's 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.



Quarter III

Business Plan Competition

PCE-IIC in collaboration with Pillai Centre of Innovation and Entrepreneurship conducted the finals of the Business plan Competition 2022-23 on 12th April, 2023 in an exhibition format at Dr. K. M. Vasudevan Pillai Campus, Panvel. The event was supported by the Institution Innovation Council of Pillai Group of Institutions and IWFCI India National Chapter.

The Business Plan Competition for the year 2022-23 was announced in the month of July 2022 and gives a platform for students to nurture their ideas into a full fledged business. Mentorship,

guidance is provided at every stage by one on one counselling, organising workshops on financial statements, making business plans & legal frameworks etc.

This year, 82 teams registered for the competition and 8 teams competed in the final round. The jury members consisted of Mr. Faisal Hawa, Private equity Investor, Dr. Haseena Sayed – Ex- Assoc. Prof & HOD- Commerce at Jai Hind College, and Mr. Jack Jay, CEO Persist Ventures.

BUSINESS PLAN COMPETITION 2022-23

- An opportunity to convert your unique idea into a business!!
- A chance to launch your own startup!!!
- The Pillai Centre of Innovation and Entrepreneurship is back with its flagship Business Plan Competition with a prize money of Rs. One Lakh.
- Register for the competition on the link given in the poster.
- This competition is only for students studying in Institutions under Mahatma Education Society's Pillai Group of Institutions.

CONTACT DETAILS

Prof. Lata Moha
PCE (8989254033)
Prof. Anurag Prabh
PCE (98925 08325)
Prof. Shaheela Sheikh
PMS (9796056180)
Prof. Sangeeta Laksh
PCE (98909 46152)
Prof. Collina Joy
PCE (9833709566)

REGISTRATION

Register for free here :
bit.ly/PillaiBusinessPlan
For detailed rules & information visit :
pce.mes.ac.in
Last date for registration -
25th August 2022

BUSINESS PLAN COMPETITION 2023

Contact Details

Prof. Richa Agrawal
PCE (9619208203)
Prof. Harsha Ghadge
PCE (9664736770)

Last Date to Register: 15th July 2023

- Students studying in institutions under Mahatma Education Society can participate in this competition.
- Register your team (2 to 5 members per team)
- The team may include an alumni of the college provided the alumni has completed studies not earlier than 31st March 2021.
- A student can be member of maximum two teams.



Workshop on Prototype/Process Design and Development

The workshop was conducted in a well-equipped computer lab, with experienced trainers guiding the participants throughout the session. The content of the workshop was designed to cover both theoretical concepts and practical exercises using Fusion 360. The workshop began with an overview of Fusion 360, its features, and its applications in various engineering disciplines. Participants were taught how to create sketches and transform them into 3D models using Fusion 360's intuitive interface. They learned about different tools and techniques for creating complex geometries. The workshop focused on teaching participants how to create assemblies and apply constraints to simulate real-world mechanisms. They were guided through the process of creating interrelated components and constraining their movements.



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

IIC-PCE PRESENTS WORKSHOP ON
AUTODESK FUSION 360

ON THE OCCASION OF
NATIONAL TECHNOLOGY DAY

MONDAY & TUESDAY
 April 10th & 11th, 2023
 3:00 PM to 5:00 PM

VENUE
 J 201

ELIGIBILITY
 FE & SE Mechanical
 and Automobile
 Engineering Students

30 Seats
 Certificates for all the participants

ENTRY FEE
 ₹ 50



COURSE OUTCOMES
 The learners will be able to:-



- Use basic operations like sketch, extrude, revolve
- Import standard components from McMaster-Carr
- Make custom components
- perform basic assemblies
- Design your own products

Indrajith 9552184248 Ayush 9987966457



Demo Day



MAHATMA EDUCATION SOCIETY'S
PILLAI COLLEGE OF ENGINEERING
 Autonomous College Affiliated to University of Mumbai
 (NAAC A+ Accredited, NBA Accredited, Highest Rated IIC, ARIIA Band 'Performer')

IIC-PCE PRESENTS
DEMO DAY

2023

FIRST PRIZE: RS. 10,000/-
SECOND PRIZE: RS. 7,500/-
THIRD PRIZE: RS. 5,000/-

15 April, 2023
10:00am

Cash Prizes for each pair of Departments

The aim behind the competition was to motivate the students to make quality projects and also to extend financial support to deserving project ideas. This also helped to develop skill, review new dimensions of explored areas and gain knowledge of the unexplored areas of enquiry through the inputs received by experts. The competition was organized for project groups for a pair of departments. The shortlisting session was conducted by individual departments before 8th April and each department was required to shortlist a maximum 6 teams from a pair of departments. Maximum 12 project groups were shortlisted from each pair of departments by the department heads and respective project coordinators.



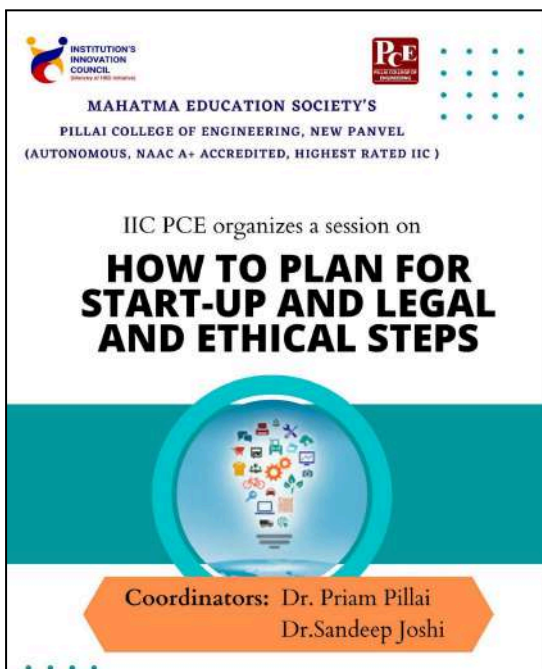
Akhil Bharatiya Shiksha Samagam 2023 and 3rd Anniversary celebration of NEP 2020 implementation



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



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



The event started with the welcoming and introduction of the speaker. Dr. Sandeep Joshi and Dr. Priam Pillai clearly explained about the various startup types and their legalities. Also he has shared his personal experiences that he came across while setting up his own start up. He also discussed the ethical steps and how it can vary from company to company. He encouraged students to plan for a startup from their early age and go ahead with their ideas. The talk was very interesting and motivational for the students.





Quarter IV

Exposure Visit to Pre Incubation and Incubation Facilities



IIC of Pillai college of Engineering has organized a two day exposure visit of the doctors from MGM Dental College to see the various pre-incubation and incubation facilities at our institute on 23rd and 24th August, 2023.





Mahatma Education Society's
Pillai College of Arts, Commerce and Science (Autonomous)
Affiliated to University of Mumbai
Re-accredited 'A' Grade by NAAC (3 Cycles)
ISO 9001-2015 certified Best College
Award by University of Mumbai

**INCUBATION CELL
&
INSTITUTION'S INNOVATION COUNCIL**
Organizes

Workshop on Prototype design

By
Dr. Richa Agrawal
Associate Professor
Innovation Ambassador
Department of Mechanical Engineering
Pillai College of Engineering

DATE: 27TH JUNE 2023
VENUE: MINI AUDITORIUM
TIMING: 10.30 AM TO 11.30 AM

REGISTER NOW
<https://forms.gle/HKmpSYbbpdRR6KLY8>



Institution innovation Cell
Pillai Institute of Management Studies and Research
in association with
Pillai College of Engineering
organises a guest session on

**Early Stage Student
Entrepreneurs -
Opportunities and
Challenges**

Speaker
Dr. Richa Agrawal
Associate Professor - Pillai College of Engineering
IIC President & Innovation Ambassador

Date: Tuesday, 29 August, 2023
Time: 3.15-4:45pm
Venue: Conclave 2, 6th floor

Workshop on Prototype Design



A Workshop on Prototype Design was conducted at Pillai College of Art, Commerce and Science on 27th June, 2023. The session was meant for students of BioTechnology. The session started with a warm welcome and introduction by the organizers. Prof. Bindu and Prof. Meenakshi were the coordinators of the workshop. Miss. Saloni was the student coordinator.

Exploring Opportunities and Challenges for Early Stage Entrepreneurs



The IIC of PCE organised a session on the topic Exploring Opportunities and Challenges for Early Stage Entrepreneurs on 29th August 2023 for the management and engineering students. 171 students and 5 faculty members attended the same. The resource person was Dr. Richa S. Agrawal - Associate Professor, IIC President and Innovation Ambassador at Pillai College of Engineering. The objective of the session was to help the students understand the various

opportunities and challenges of entrepreneurship.

KAVACH 2023

In service of the nation, Mahatma Education Society's Pillai College of Engineering (PCE), New Panvel has been conferred with one more opportunity to exhibit their competence as organizers for conduction of KAVACH 2023 in the physical mode. PCE represents the entire western zone—the sole nominee from entire Maharashtra. Earlier PCE had been instrumental in playing the role of a competent host for similar AICTE events. The latest selection as the Nodal Centre for KAVACH 2023 is indeed a proud moment for PCE.

The initial screening rounds of the participating teams have been completed, and the GRAND FINALE was scheduled on the 8th and 9th of August, 2023 at five different Zonal Centers—Bangalore, Bhopal, Bhubaneshwar, Greater Noida and New Panvel (Navi Mumbai).

The 36 hour GRAND FINALE was held at Pillai College of Engineering, Dr. K. M. Vasudevan Pillai Educational Campus, (Navi Mumbai), New Panvel. There were a total of 23 teams—a total of 138 participants—who have qualified for the final phase of the event. The students were accompanied by their mentors.

KAVACH 2023 CyberSecurity Hackathon was inaugurated at the nodal Centre New Panvel on the 8th of August 2023 at 8:30 am. by Dr. Vinod Mohitkar, Director DTE Maharashtra state. Dr. R. Unnikrishnan, Advisor AICTE also graced the occasion. In his inaugural talk the chief guest emphasized that in today's world “Innovate or Perish” is the new mantra. He also informed that the Innovation Global Rank of India has seen a paradigm shift from 81 in 2015 to 40 in 2022. He also highlighted the fact that there has been a 121 % increase in cyber crimes from 2020 to 2023. He commented that 36 hours—the duration of the Hackathon- may not be enough to solve the problem but one will get vision to future solutions.

The evaluators decided on the winners based on their interactions and the implementation of their guidelines. The winners of KAVACH 2023 were announced during the valedictory function held on 10th of August.

The following dignitaries graced the occasion: CEO Dr. K. M. Vasudevan Pillai (Chief Guest), COO Dr. Priam Pillai, IPS Sanjay Shintre, Superintendent of Police, Maharashtra Cyber (Guest of Honour), Maharashtra, Dr. R. Unnikrishnan Advisor(AICTE), Dr. Saurabh Nirmale (Regional Consultant MoE, Innovation Cell), Rishikesh Aghav (BPR&D), Dr. Sandeep Joshi (Principal, PCE), Dr. Nevadita Shreyans (Chief PRO, MES), and Dr. Richa Agarwal (SPOC KAVACH 2023).

Dr. Vasudevan Pillai expressed satisfaction about the fact that the government is now taking interest in granting research funding to private institutions apart from IITs and NITs. He had a message for the winners wherein he asked them to continue to strive for perfection.

Dr. Priam Pillai emphasized to the participants that the GRAND FINALE of KAVACH 2023 is not the FINAL and that the final culmination should be in a product. He also made the students realize that winners are not produced overnight rather it is a step by step process of perseverance and dedicated efforts of years.

IPS Sanjay Shintre made the shocking revelation that every day the cyber cell of Maharashtra receives calls from about 1000 victims of cyber fraud. He further informed that in order to curb the growing menace of cybercrime and to develop a counter offensive for every modus operandi of the cyber criminals, the government of Maharashtra has initiated the Maharashtra Cyber Security Project at Millennium Business Park of Mahape Industry Development Corporation in Navi Mumbai. This will also provide internships to students in cybercrime.

Dr. Saurabh Nirmale, made a very philosophical statement that helped to revitalize the students who did not secure a prize. He prophesied : In this Hackathon there are no winners or losers WE ONLY HAVE LEARNERS.

The winners of KAVACH 2023 at the NEW PANVEL nodal centre were:

Name of Winning Team	Problem Objective/ State	Name of Institution	State
CodeSage	KVH 001 - New age Women Safety App	G. L. Bajaj Institute of Technology Management, Greater Noida	Uttar Pradesh
Cookie Bytes	KVH 003 - Advanced Fake News Detection System	Sri Krishna College of Engineering Technology, Coimbatore	Tamil Nadu
Photon in a Double	KVH-005 - Advanced ANI and FRS Solution	Panimalar Engineering College, Chennai	Tamil Nadu
Little Champs	KVH-009 - Advanced CC Analytics Solution	Bannari Amman Institute of Technology, Sathyamangalam	Tamil Nadu

Each of the winning teams was awarded with a cash prize of Rs.1 Lakh. The KAVACH 2023 organizers expect that the teams will be utilizing this money for creating a product , a message that aligns with the views of our COO Dr. Priam Pillai. Furthermore MHA and MoE have resolved to provide hand holding not only to the winners but also to the other teams for realizing a Start-Up based on their problem statement.

KAVACH 2023 thus provided a platform to the students to launch their innovations in Cyberspace.

Winners



Schedule for Grand Finale of KAVACH 2023

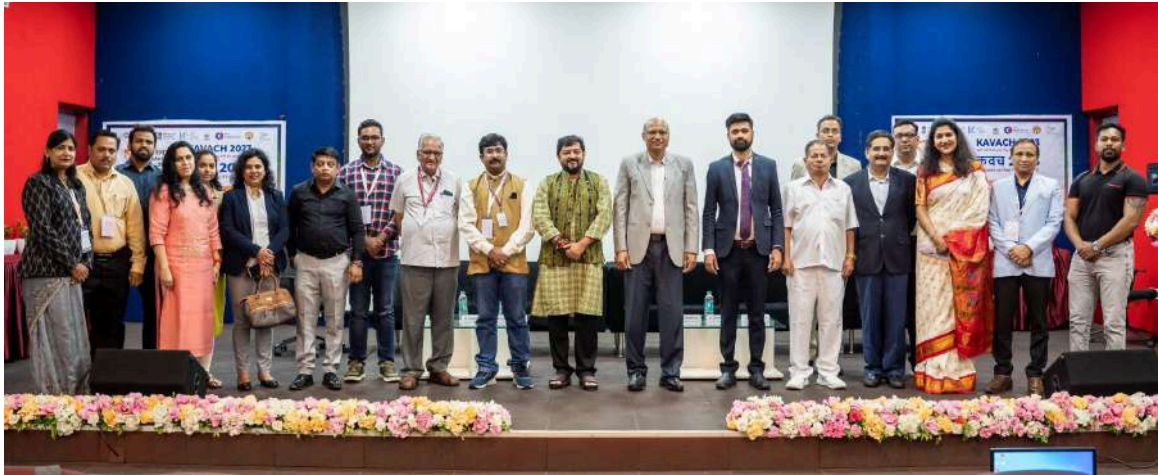
(8th - 10th August 2023)

August 7, 2023: Day 0	
10.00 AM - 6.00 PM	Registration
August 8, 2023: Day 1	
7.00 AM- 7.30 AM	Breakfast
7:45 AM	Assemble at venue
8:00 AM -8: 30 AM	Central Inauguration
8:30 AM -8: 35 AM	Local Inauguration of 'KAVACH 2023'
8:35 AM- 8:40 AM	Lamp Lighting
8:40 AM – 8:45 AM	Welcome Address by Principal of the institute
8:45 AM – 8:50 AM	Felicitation of Dignitaries
8:50 AM - 8:55 AM	Speech by Guest of Honor
8:55 AM – 9:00 AM	Speech by Chief Guest
9:00 AM	Local Inauguration Ends
9:00 AM	Coding Begins
10:30 AM	Tea And Snacks
11:30 AM - 01:00 PM	First Round of Training Session.
01:00 PM	Lunch
4:30 PM to 5:00 PM	Tea and snacks
5:00 PM - 7:30 PM	First Round of Evaluation
8:30 PM	Dinner
9:30 PM	Coding Resumes
11:00 PM	Midnight Energy drink
August 9, 2023: Overnight Phase (Day 2)	
00:00 AM - 00:45 AM	Second Round of Training
01:00 AM - 01:30 AM	Recreational Activity
01:30 AM	Coding Continues
03:00 AM	Snacks and biscuits served on Table
6:00 AM - 6:15 AM	Yoga Session

Photo Gallery

Inauguration





Valedictory



N. Contact

Dr. Richa Agrawal

President-IIC PCE and Innovation Ambassador,

Email: ragrawal@mes.ac.in

Mobile: + 91 9619208203

Office: +91 22 2745 6100