



**Progressive Education Society's
Modern College of Engineering, Pune-05**

INSTITUTION INNOVATION COUNCIL (IIC)



About Institution's Innovation Council (IIC):

Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years. MIC has encouraged creation of 'Institution's Innovation Council (IICs)' across selected HEIs to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campuses.

Progressive Education Society's Modern College of Engineering has been selected for establishing Institution Innovation Council (IIC) (2018) at our premises as per the norms and directions of Innovation Cell, Ministry of HRD, Govt. of India. We have participated in IIC 1.0, IIC 2.0, IIC 3.0 and IIC 4.0 successfully and secured star rating as 4,4,3 respectively for previous three years. IIC helps institute in inculcate Entrepreneurship skills among the students.

- **Vision of IIC**

To promote innovation, incubation, and entrepreneurial environment and help students, alumni and faculty to convert their business ideas from prototype to product.

- **Mission of IIC**

1. To create a local ecosystem to incubate and support innovative ideas
2. To create entrepreneurship opportunities for Students, Faculty, and Society
3. To nurture the start-ups by providing them necessary support
4. To provide support to commercialize innovative and sustainable ideas
5. To work towards enhancing the IIC ranking and Atal Ranking of Institutions on Innovation Achievements (ARIIA) Framework of the Institute

Objectives:



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- To create a vibrant local innovation ecosystem
- Start-up/ entrepreneurship supporting Mechanism in HEIs
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework (ARIIA)
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas
- Develop better Cognitive Ability amongst Technology Students
- Functions of Institution's Innovation Council
- Promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campus
- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bounded fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.

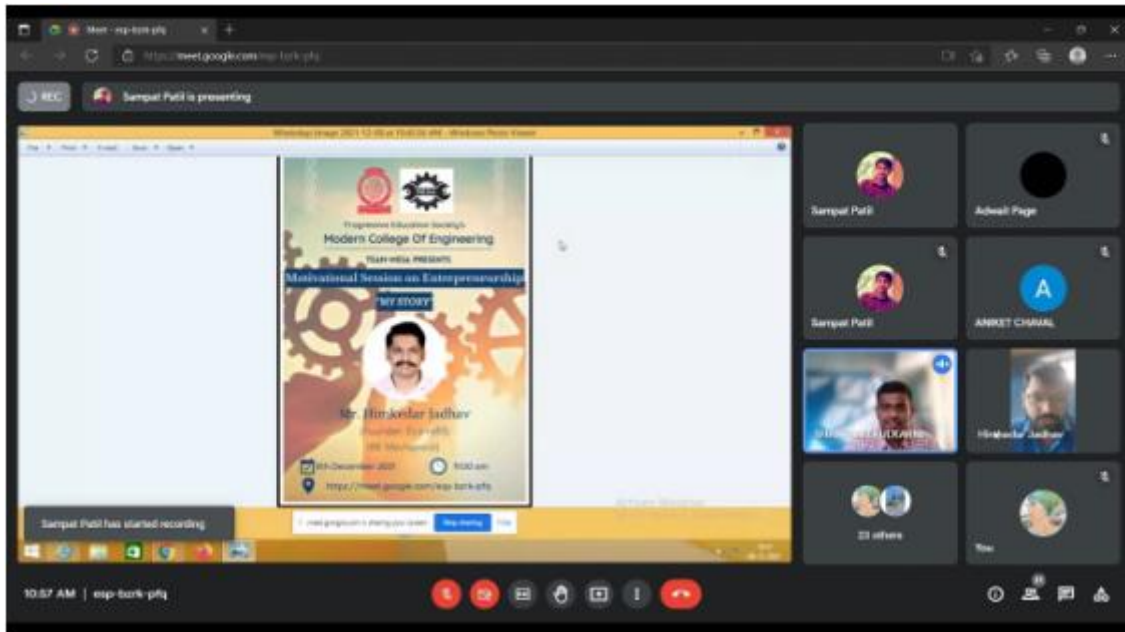
Key Activities:

- Online webinar on Entrepreneurship development
- Innovative Idea presentation competition right from first year students through Pro-Start event.
- project Exhibitions
- Entrepreneurs talks
- Participation in **Smart India Hackathon 2K20, 21,22**, e-Yantra, Toykathon.
- Few of the key activities in focus organized by the IIC, MCOE are like
 - Start-Up Idea Competition was conducted on 24 January 2022 in online mode.
 - IPR awareness program was organized on the occasion of National Science Day.
 - National Level Project Competition "ASPIRE 2K22" was organised on 28 may 2022
 - A Guest Session on Business Opportunities Search and Selection (BOSS) and Funding Opportunities for Start-ups was conducted on 24th August 2022 followed by Business Quiz
 - A session on "How to Convert Innovation into Startup" was addressed by Mr. Vedant Satpute, Owner, Arya Assistance on 20 August 2022.
 - For SIH 2022, Out of 10 ideas, 3 ideas has been shortlisted in the internal Hackthon for final and team "BINARIE" in Software Category became finalist and winner for SIH 2022

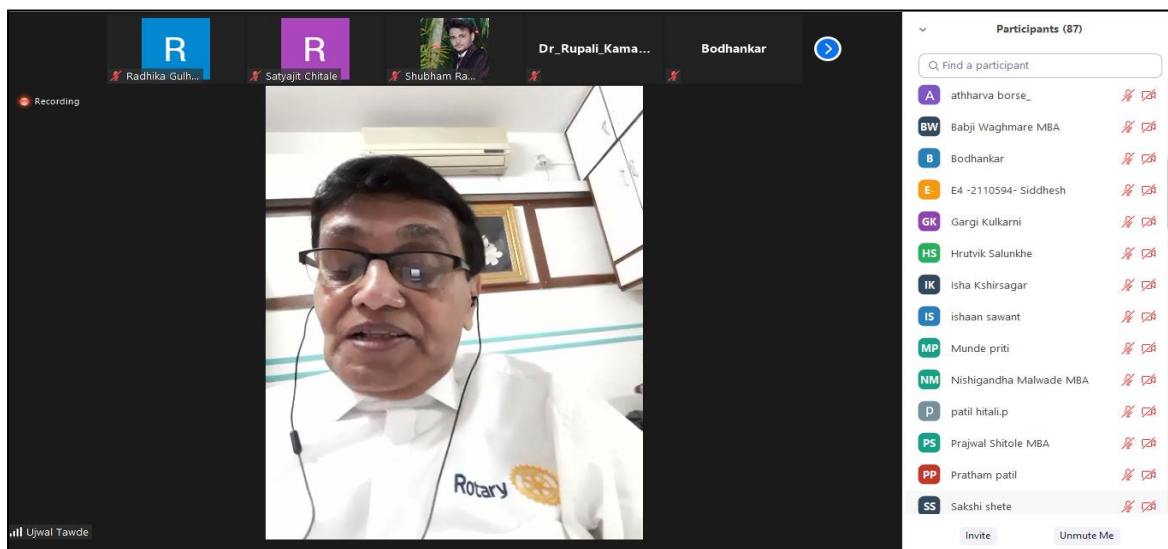
Glimpses of Few Activities:



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Motivational Session on Entrepreneurship - "My Story" by Mr. Himkedar Jadhav, Founder, Eco-refill (Start-up)



Online session on "Dare and Act enter Entrepreneurship "



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Workshop On " Opportunities and challenges in Electrical Vehicle Startup"



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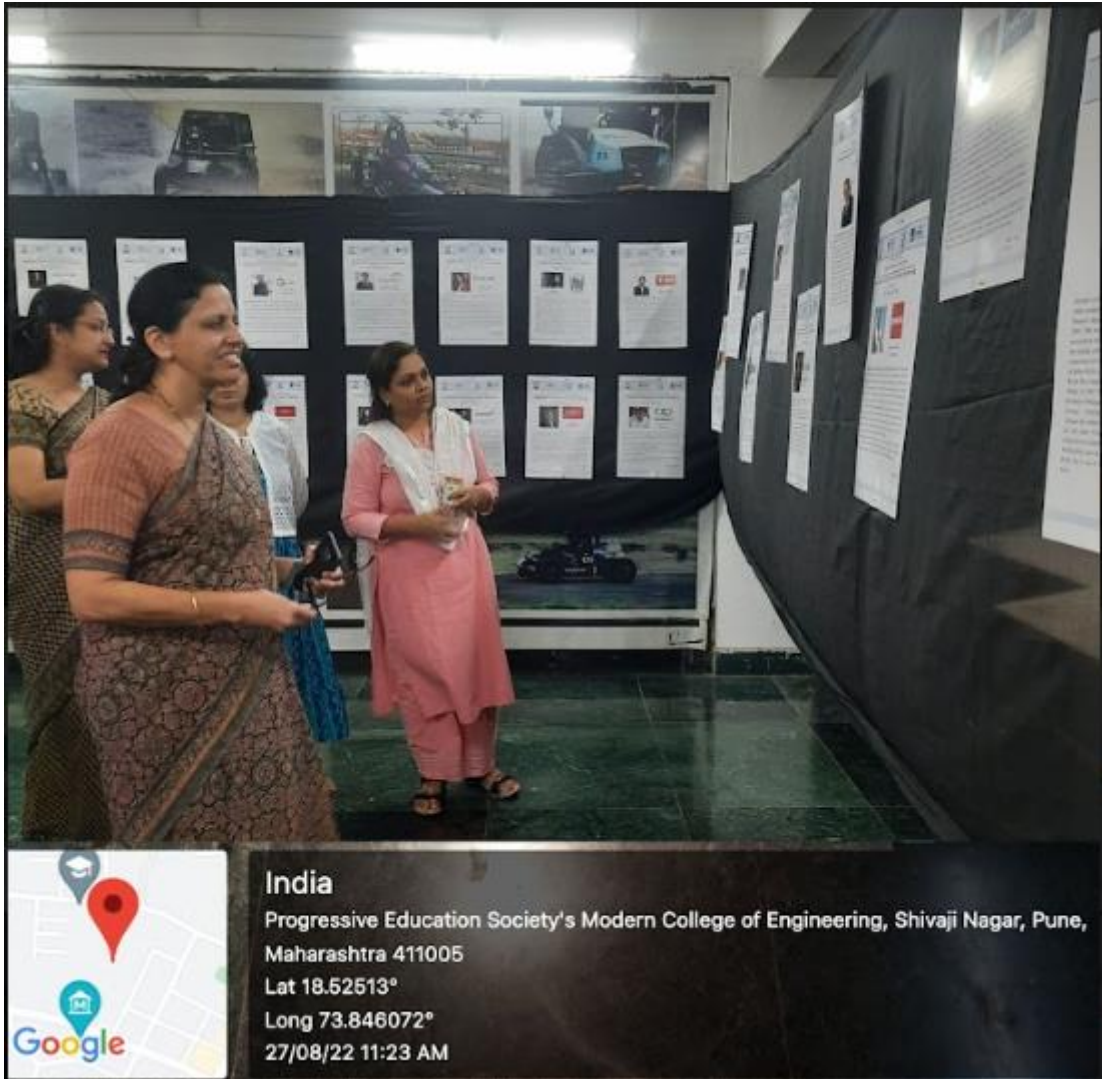
Session on "Opportunities for early stage Students and Faculty Entrepreneurs"



Winner Team "BINARIE" receiving Award of Smart India Hackthon 2022



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Poster Exhibition on the occasion of World Entrepreneurs Day.



ENTREPRENEURSHIP DEVELOPMENT (ED) CELL



About ED Cell

India culturally has had a rich tradition of fostering entrepreneurship. Globalization of business and tremendous potential for growth in service sector has opened up a new vista of opportunities for young technocrats, who are looking for opportunities to exploit their full potential by setting up their own ventures. PES Modern College of Engineering understands the importance of Entrepreneurship Development to boost and promote the culture of Creating Jobs versus Doing Jobs. The ED Cell was established at PES Modern College of Engineering in the year 2014 to encourage students to consider self employment as a career option. It is an initiative of the young minds at this institution for development and mentoring of skills in individuals who are passionate to pursue their ambition in setting up their own venture. The Cell organizes different activities and events to train and motivate the students on entrepreneurship.

Vision:

To create an environment that fosters entrepreneurial spirit in students.

Mission:



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- To facilitate opportunities for interactions with aspiring and well-established entrepreneurs
- To provide a platform for cultivating entrepreneurial skills among students

Objectives:

- To organize interactive sessions with successful entrepreneurs.
- To increase awareness among students about schemes and policies existing to promote new ventures.
- To organize events that helps to infuse the entrepreneurial spirit among the students.
- To orient faculty members on the need and importance of entrepreneurial spirit among the students in the campus.
- To engage students in Think, Design, Build and Test their Projects; and convert them to products.
- To facilitate to students to incubate their start-ups.

Key Activities:

- Our ED Cell has successfully completed ED Cell Development Program under mentorship of IIT, Kharagpur.
- Right from establishment, ED Cell has encouraged students to come up with their own innovative ideas, develop it further and present through our flagship event PRO-START.
- Recently a Incubation centre is formally inaugurated by Mr. Chandrakant Patil, Education Minister, Govt. of Maharashtra.
- A field visit to BHAU, Incubation centre at COEP, Pune was arranged in the month of august. Students have participated in large number in this visit and interacted with the budding entrepreneurs present over there.
- Few of the key activities organised by the ED cell, MCOE are like
 - Workshop on "Entrepreneurship and Innovation as Career Opportunity" organised on 12 Nov 2011 in online mode to impart knowledge about Research, Innovation, Start-up, and the journey from Campus to Corporate to students.
 - Workshop on "Entrepreneurship Skill, Attitude and Behavior Development" to generate interest amongst students for entrepreneurship.
 - One Day Workshop on "Entrepreneurship Awareness - How to Plan for Startup and Legal & Ethical Steps"



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- To Shortlist the Problem statements of students that are willing to participate in **Smart India Hackathon 2022**, PRO-START completion was organized on 24th March 2022
- A Orientation Program for Smart India Hackathon 2022 was organised on 26th March 2022 for Teams Nominated for Smart India Hackathon(SIH) 2022 . The aim of orientation session is to aware the Student Participant about process of Smart India Hackathon competition.

Glimpses of Few Activities:



Groups participated in PRO-START competition 2022



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One Day Workshop on Entrepreneurship Awareness - Intellectual Property Rights (IPRs) and IP management for startup



Field visit to BHAU incubation centre, COEP, Pune.



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- Pre-Incubation facility and Incubation Center



To actively participate in the Government's initiative such as Start-Up India, our college has established Institute Innovation Council (IIC) and in-house Pre-Incubation facility named "Pro-START" in 2018 that nurtured various potential start-ups in the later years. To further support these budding entrepreneurs, college also has established Incubation Center that support start-ups by various means. "Pro-START" and in-house "Incubation Center" is functioning aligned with National Innovation and Start-Up Policy 2019 and actively working to implement it effectively at our institute. The Incubation Centre is formally inaugurated on 26th September 2022 by Mr. Chandrakant Patil, Education Minister, Govt. of Maharashtra.



Hon'ble Shri. Chandrakant Patil, higher and technical education minister along with Dr. Gajanan Ekbote Sir digitally inaugurating the incubation Centre At PESMCOE auditorium.



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Students working at Pre-incubation facility



Incubation center @ MCOE



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- **Major Achievements:**



3.5-Star rated IIC by MHRD.



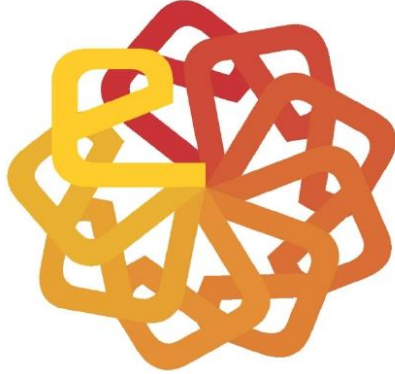
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ERTS Lab
Department of Computer Science and Engineering
Indian Institute of Technology Bombay,
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eYantra

Engineering a better tomorrow

Certificate of Merit

This is to certify that *Shreyas Lolge*, a student from *Progressive Education Society's Modern College of Engineering* has participated in the e-Yantra Innovation Challenge (eYIC 2021-22) held on 31st March - 1st April, 2022 and was awarded *Best Prototype* category for their project titled "*Solar powered autonomous weeding Robot*".

He/She is a member of the team having the following team members,

1. *Aditya Khotte*
2. *Tanvi Junghare*
3. *Shreyas Lolge*
4. *Yash Otari*

Mentored By: *Prof. Prajakta Kanitkar*

Prof. Kavi Arya
Principal Investigator, e-Yantra
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e-Yantra is a project sponsored by MHRD, Government of India, under the National Mission on Education through ICT (NMEICT).

Best Prototype Award by IIT Bombay



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(57) Abstract :
Efficient handling of M-health data using artificial intelligence and big data Abstract The functions of various healthcare organizations cannot be integrated without an information system, which allows data collection and processing to be automated. A database was created to store and access the data containing the required information. Data stored in modern information systems based on the concept of data integration is a complex system that needs to meet the different needs of multiple users. The purpose of any information system is to process real-world set data. In the broadest sense, a database is a collection of information about specific objects in the real world in any given case. Under the subject area, it is customary to understand a part of the real world (institutional or university) to organize management and automation.

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Winner of SIH 2022