Entrepreneurship Development Cell

MET's Institute of Engineering

In today's scenario, where un-employment level is rising and career path is becoming less well defined, more practical approach in teaching is needed to foster stronger business acumen in the potential entrepreneurs.

Engineering professional practices today have changed dramatically and irreversibly due to:

1) Growing global competition and the subsequent restructuring of industry
2) Shift to private enterprise as major source of engineering employment
3) Explosion of information
4) Development of information and technology.

To meet these, Engineering education should equip under-graduate students to demonstrate the attributes which are similar to entrepreneurial characteristics, and efforts are to be made to develop entrepreneurship in the students. The necessity of developing a creative design, methodology, or several of them to suit individual idiosyncrasy is unquestionable. But the fact remains that the methodology of creative thinking alone cannot turn an engineer into an entrepreneur, unless he has the required amount of insight.

The changing economic environment due to liberalization, privatization, and globalization has posed certain challenges and has provided opportunities to Industrial Sector. Challenges are in the form of increased competition, shorter life cycle of products as well as technology, reduced protection due to lower tariffs, and

market determined rates of interest. On the other hand, opportunities have come in the form of access to better technology, availability of a variety of raw materials and components, impetus to quality, efficiency, and opportunities to restructure & diversify. To face these challenges and grab the opportunities, an entrepreneur has to adopt innovative product process, productivity improvement techniques, and effective technology management for sustainability of the unit. Here the innovative approach will be the remedy for an entrepreneur for sustainability.

Engineering, technological and research institutions are surplus with intellectual cream. These intellectual strata in society can be effectively utilized by incorporating entrepreneurship programme in Engineering curricula. The ecosystem of Innovation & Entrepreneurship is therefore very essential, to achieve all of these, an attempt in this direction was made by establishing an Entrepreneurship Development Cell (E-cell) at MET's Institute of Engineering, in the year 2010, with the following objectives:

1. To make the students understand entrepreneurial challenges and opportunities.
2. To motivate students to opt Entrepreneurship as a career.
3. To conduct guidance sessions of successful engineer entrepreneurs.
4. To inculcate culture of innovation driven entrepreneurship through student projects.
5. To make the students abreast with Registration Process, Modes of Funding.
6. To provide literature on Entrepreneurship
7. To create awareness about IP rights and patenting procedure.
8. To provide literature on Patents and Copyrights.
9. To advice and guide on the importance of IPR, especially Patents.

Role of E-cell in nurturing Innovations & Start-ups

In Engineering education, the pathway to entrepreneurship is through innovation students offer through their projects. Students of pre-final and final year are exposed to this pathway. The students are encouraged to select their projects as a solutions offered to the problems faced by people, businesses in their day to day life. With the recent initiatives taken by Pune University (SPPU),the concept of 'Project Based Learning ' has been introduced in the curriculum from the very First Year of Engineering.

This way, an ecosystem of Ideation to Product validation can be developed, and for this E-cell has a great role to play. E-cell provides an interactive platform of experts from Academia ,Business & Industries, to help the students nurture their ideas ,and convert them into the business ventures, during or after the completion of their study.

Efforts being made in the achieving the objectives of E-cell

1.Creating awareness of E-cell

Faculty members of E-cell conduct sessions to create the awareness about Entrepreneurship and its importance to Engineering students, in particular.

2. Formation of E-cell

The E-cell is formed by inviting students to become its member. The students from every department come forward and join E-cell voluntarily, without any compulsion.

3.Collaboration with organizations

An ecosystem of academic Institute with various government agencies along with bodies and organizations from Industries is a must for converting the ideas of innovators into realty. Our E-cell collaborates with small & medium enterprises in the Nashik arena, through the bodies like NIMA,MACCIA,etc. Government agencies

like 'EDI Ahmadabad' has also collaborated with E-cell in promoting entrepreneurship among the students.

4.Expert sessions

In today's competitive world ,the Intellectual Property Rights is the wealth of Entrepreneurs, Professionals, and Enterprises. It is therefore essential to protect one's ideas through a legal framework. Expert sessions are conducted to make the students know importance of Patents, Trademark, & IP rights.

Not only this, guidance sessions of experts from Banking & Finance sectors are arranged to help the students understand financial matters.

5.Interactive sessions with young Entrepreneurs, especially, alumni of MET.

Though motivational lecture sessions from leading entrepreneurs/businessmen are helpful in motivating students, but it has been observed that students get more inspired if their seniors, who opted entrepreneurship as a career, come to the campus ,interact with them, and share their entrepreneurial journey. Interactive sessions with such alumni entrepreneurs are conducted to boost-up confidence of students.

6. Industry visits

Industrial visits are conducted to make the students know the professional culture of the business, hardships faced by them, and the strategies they follow to stay competitive and relevant.

7. Participation in Business plan competitions

Students are encouraged to participate in events /competitions organized by Universities /IITs as well as other bodies from Commerce & Industry.

Outcomes

In today's competitive global business environment, sustainable growth shall only be possible with innovation & entrepreneurship. It is the technology that drives the economy, and since Engineers create technology, they are the real masters of growth

engine ,and shall make the society prosperous.

Every Engineering Institute should therefore produce Entrepreneurs as possible, but Engineering can be taught , but Entrepreneurship cannot , hence an academic institute cannot produce entrepreneurs in a big number, but the conducive environment created through the E-cell activities has helped some of our students become Entrepreneur. And with the initiatives of Government, and its friendly policies, culture of entrepreneurship shall spread further.

Academic Year 2022-23

13th March 2023

Awareness program on, 'Start-up India'

Institute Innovation council (IIC) and E-Cell , MET's Institute of Engineering had organised an awareness program on, 'Start-up India', in collaboration with Nashik Industries & Manufacturers association (NIMA), at MET's Institute of Engineering ,Bhujbal Knowledge City, Nashik, on 13th March ,2023. Er. Shreekant Patil,Mentor MAARG Start-up India and Chairman Start-up Council Committee NIMA, was the resource faculty for the program. Around 110 students from various streams of engineering participated in the said event. The program concluded with an interactive question & answer session with the students.

Session by Er. Shreekant Patil

Felicitation of Er. Shreekant Patil by Principal Dr. V.P. Wani

Interaction with faculty & students

Faculty members & student coordinators with the Guest

28th September 2022

Motivational session on 'Start-up' ,
Speaker : Mr. Amol Nitave , CEO Evolvingx Pvt. Ltd.,
Co-founder eXploreVR LLP

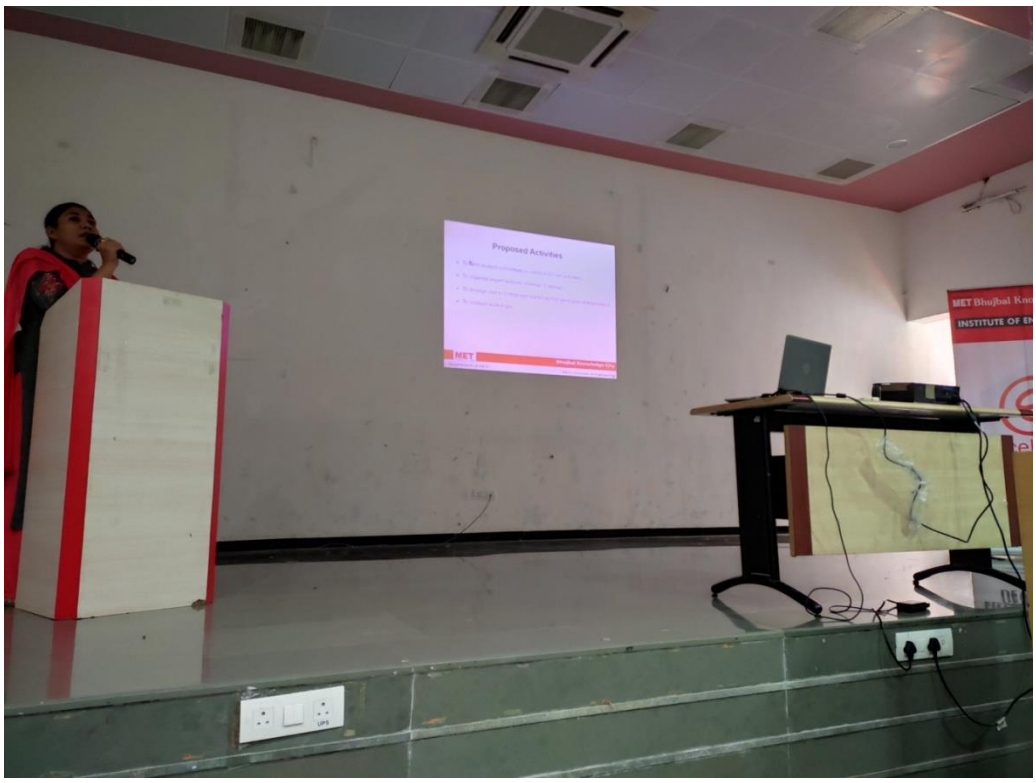
Mr. Amol Nitave addressing the students

21 st September 2022

Orientation programme of Entrepreneurship Development Cell (E-Cell) of MET's Institute of Engineering, Bhujbal Knowledge City ,Nashik.

An orientation Programme of E-cell ,MET's IOE, was held on 21st September 2022.Nearly 110 students from all branches of Engineering participated in the programme. After initial briefing by Prof. Rajesh Rehpade, Dr. Priti Metange gave presentation to the students about the E-cell and its activities .The students actively participated in the discussion about the activities to be conducted in the year 2022-23, and formed various bodies to facilitate the working of E-cell. Dr.Manisha Shinde and Mr.Vishal Choudhary (faculty members from E-cell) ,and student representative Mr. Harshwardhan Bharad worked hard to make the programme successful.

Prof. Rajesh Rehpade, briefing the students about E-cell.



Presentation by Dr. Priti Metange to the students , about E-cell

Dr. Priti Metange interacting with E-cell students.

26th July 2022

Impact Lecture Series Sponsored by Ministry Of Education's Innovation Cell on 26th July 2022

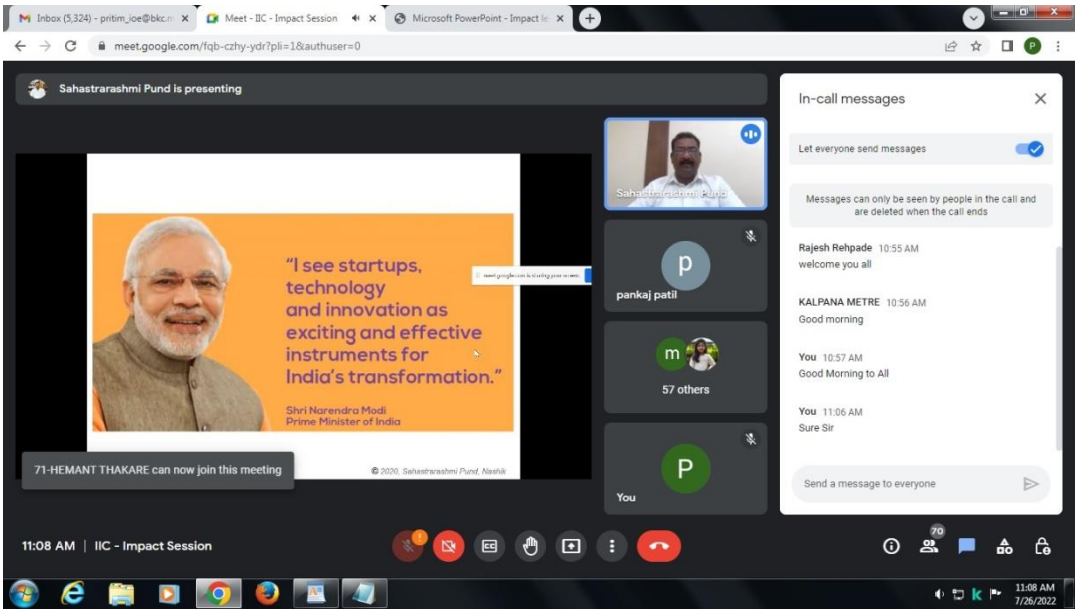
a)Session on IPR

Institute's Innovation Cell , MET's Institute of Engineering, Maharashtra has *organised* Impact Lecture Series Sponsored by Ministry Of Education's Innovation Cell on 26th July 2022 ,through Google meet Platform. It comprised of two sessions. Session I was on, "Importance of Intellectual Property Rights (IPR) and Patents to Engineers". Speaker: Er. Sahastrarashmi Pund
Head- IPR, Endurance Technologies Ltd. Aurangabad.
The Er. S. S. Pund has covered following points in his session-

- Innovation, invention
- Entrepreneurial Approach- Case Studies
- What is IPR?
- Examples
- Different Types of IPR
- Protection Criteria and Why IPR?
- Strategic aspects of IPR
- Essence of Tech refinement

Sir has created awareness about IPR among students. Also, he motivated students and faculty members for patent filling. Students asked their doubts to him and feedback was good.

Students Present-70



b)Session on Start-up Awareness

Institute's Innovation Cell , MET's Institute of Engineering, Maharashtra has organised Impact Lecture Series Sponsored by Ministry Of Education's Innovation Cell on, 26th July 2022 ,through Google-meet Platform. It comprised of two sessions. Session II was on "Start-up Awareness and Entrepreneurship". Speaker: Er. Shrikant Patil, Founder, Paramount Enterprises, Nashik.
Er. Shrikant Patil has covered following points in his session-

- Entrepreneur
- What is an entrepreneurship?
- THE ENTREPRENEURIAL PROCESS
- TIMING AND COMPETITION
- INCUBATORS
- Eligibility criteria for incubators
- SELLING THE CONCEPT
- Startup
- Difference between Entrepreneurs and Startup founders
- Advantages of Startups
- Disadvantages of Startups
- Schemes launched by government
- How to Register for Startup
- Startup-India & DPIIT recognized startups

Er. Shrikant Patil motivated the students to start their own start-ups. Students asked their doubts to him in the question & answer session. Around 60 Students attended the session.