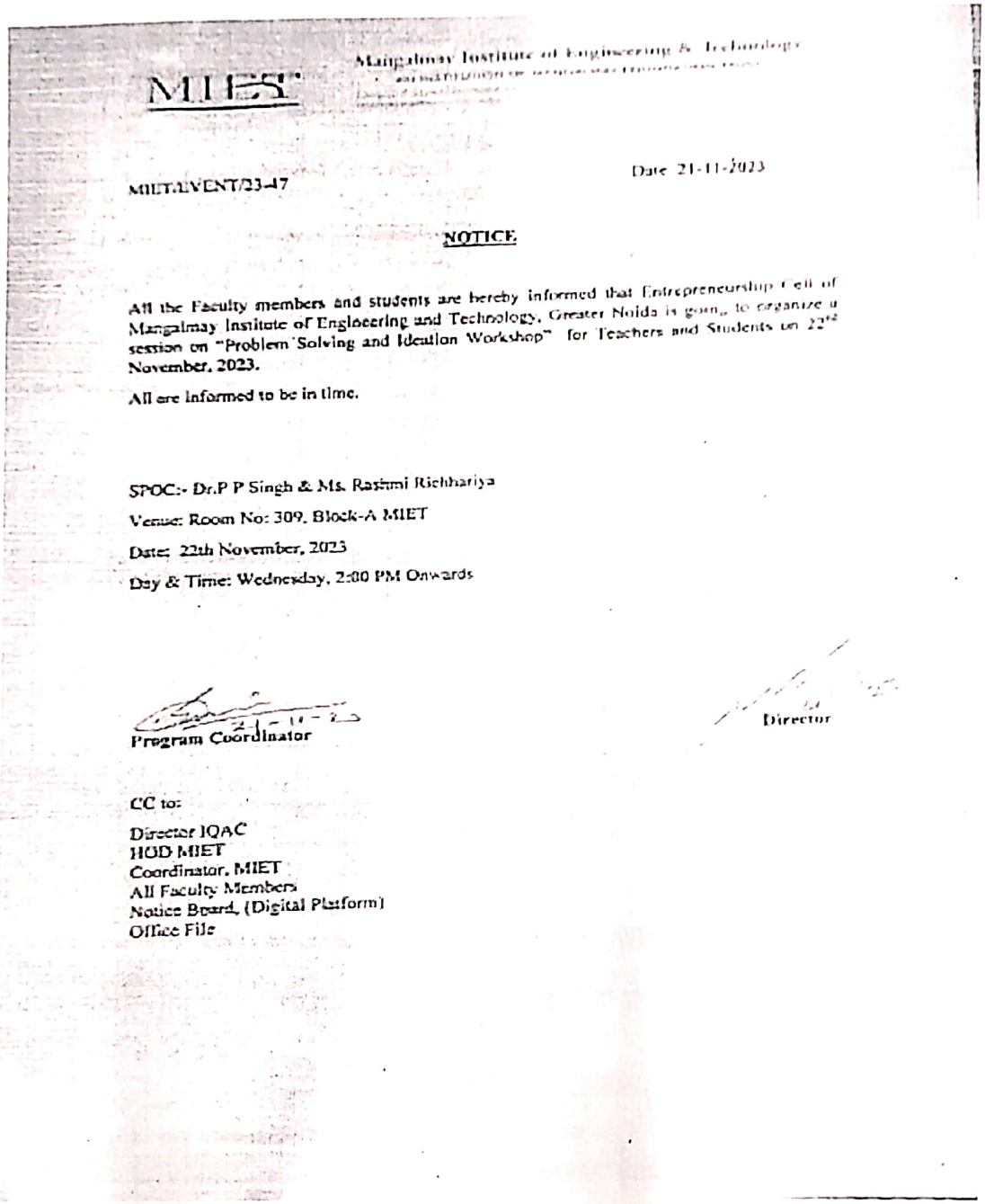
MIET

Mangalmay Institute of Engineering & Technology

AN INSTITUTION OF MANGALMAY FOUNDATION TRUST

Campus: 8, Knowledge Park II, Greater Noida (U.P.) Ph : 0120-2328400, 2328401
e-mail: info@mangalmay.org Website : www.mangalmay.org

Notice



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MIET/EVENT/23-47

Date 21-11-2023

NOTICE

All the Faculty members and students are hereby informed that Entrepreneurship Cell of Mangalmay Institute of Engineering and Technology, Greater Noida is going to organize a session on "Problem Solving and Ideation Workshop" for Teachers and Students on 22nd November, 2023.

All are informed to be in time.

SPOC:- Dr.P P Singh & Ms. Rashmi Richhariya

Venue: Room No: 309, Block-A MIET

Date: 22th November, 2023

Day & Time: Wednesday, 2:00 PM Onwards

Program Coordinator

Director

CC to:

Director IQAC
HOD MIET
Coordinator, MIET
All Faculty Members
Notice Board, (Digital Platform)
Office File

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INSTITUTION'S INNOVATION COUNCIL

MIET MANGALMAY INSTITUTE OF ENGINEERING & TECHNOLOGY

22 YEARS

ENTREPRENEURSHIP CELL

Is Organizing

SESSION

on

PROBLEM SOLVING AND IDEATION WORKSHOP

RESOURCE PERSON

Dr. Geeti Sharma

Director, MIMT

Date: 22nd November 2023

Time: 3:30 pm onwards

1800 103 3797 | www.mietengineering.org

Plot No. 8 & 9, Knowledge Park-II, Greater Noida, Delhi-NCR, India

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Report	
Academic Year	**2023-2024**
Name of Activity	**Session On Problem Solving and Ideation Workshop**
Date of Activity	**22/11/2023**
Organized by	**Entrepreneurship Cell, Mangalmay Institute of Engineering & Technology**
Beneficiary	**51: 05 Faculty Members & 46 Students**
Objective	1. The primary objective of the workshop was to equip participants with practical problem-solving techniques and enhance their ability to generate innovative ideas. - To tell the students, the importance of innovation and idea generation. - To develop them on out of the box thinking. - To develop problem solving skills of students. - To develop Entrepreneurial skills. - To make them successful future Entrepreneurs. - The skills, characteristics, attributes and functions of Entrepreneurs. - The importance of creative thinking and strategic thinking. 2. The objectives included providing a structured problem-solving framework, introducing ideation techniques, promoting collaborative. 3. The goal of the **Problem Solving and Ideation Workshop** is to train students' creative mindset and inspire them to become great entrepreneurs.
Brief Report	Entrepreneurship Cell under Mangalmay Institute of Engineering and Technology, Greater Noida has organized session on **"Problem Solving and Ideation Workshop"** on 22-11-2023 at 03:30PM. The resource person for the Workshop was **Dr. Geeti Sharma Director MIMT, Greater Noida. Dr. Geeti Sharma Director MIMT, Greater Noida.** on her expert talk on discuss about the importance of ***innovation and idea generation, out of the box thinking, problem solving skills Entrepreneurial skills, the***

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importance of creative thinking and strategic thinking.

The important aspects covered by the speaker during this session with some Real-life examples **of problem solving i.e.**

(1) Automobile company:
Defining The Problem: To increase the sale of Automobile company
Idea generation: Services Centers, Customer care Services, Qualities of Product and cost etc.
Solving Skills: Increase no. Services Centers, Improve Customer care Services, and Increase No. of qualities of Product with Low cost etc.

(2) Cricket Match (ICC World cup 2023)
Defining The Problem: How to increase winning rate of a Cricket Match.
Idea generation: Team Planning, Match Stratifies, Team Selection, and Fitness of the Players etc.
Solving Skills: Create no. of plan & chose best one, Define Match Stratifies or Game Plan according to the qualities of players of both teams, and Choose players according to their fitness.
At the end of the workshop, the queries of the students were very well handled by the speaker.

Responding to **Trends and Competition of the market and industry.** The Ministry of Education (**MoE**), Govt. of India has established '**MoE's** Innovation Cell (**MIC**)' to systematically foster the culture of Innovation among 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.

What is a problem-solving workshop?
A problem-solving workshop is a rapid session that helps you:

- Understand the root cause of a problem.
- Quickly generate ideas to solve it.
- Evaluate the ideas to ensure they're robust.
- Make a plan to test or implement the solution.

What is an ideation workshop?
"***Ideation is the process of generating a broad set of ideas on a***

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given topic, with no attempt to judge or evaluate them." It's the perfect opportunity to explore all sorts of new, unusual, and crazy ideas based on previous research.

The Five Stages of Problem-Solving:

There's a 5-step process that you can follow that will allow you to solve your challenges more efficiently and effectively.

I. Defining a problem
II. Ideating on a solution
III. Committing to a course of action
IV. Implementing your solution
V. And finally – analyzing the results.

Why are ideation workshops important?

Ideation workshops are a great next step after synthesizing research, and they help empower teams to take your research to the next level. There are several reasons to ideation workshops:

- Help your team
- Foster collaboration and different perspective
- Create a safe space for creativity
- Based on user research
- Make it fun and exciting
- Get closer to a new solution

Problem-Solving Skills

While your skill set will need to adapt and change based on the challenges you'll be working on, most efficient problem-solvers have a solid foundation of these key skills:

- Active Listening,
- Analytical Approach,
- Communication,
- Decision Making,
- Facilitation.

How to run a problem-solving workshop?

There's a 5-step process that Students can follow that will allow you to solve almost problems in the workshop.

I. Get the right people together,
II. Identify the right problem,

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III. Come up with ideas to solve the problem,
IV. Evaluate the ideas to ensure they're robust,
V. Make a plan to test or implement the solution,

How to run an ideation workshop?

1. Conduct user research

User research will give you a clear topic and problem statement to explore in your ideation workshop.

2. Define a problem statement

A problem statement identifies a current problem a user is encountering and the goal the user would like to accomplish. It is broad enough to generate multiple relevant ideas, but focused on only 1-2 user needs/problems in one statement.

Here are **some examples of problem statements:**

- **Focus on the user's perspective: -** "I am a student who loves to travel, but I'm struggling because of my limited budget and trying to find flights that are cheap but safe. This makes me feel frustrated because I want to travel, but I feel stuck."
- **Look at the four W's (who, what, where, why): -** "I'm a writer, but I also work a full-time job, making it hard for me to find time to write. I don't know how to properly manage my free time when I am not at work, so I end up wasting a lot of time and feeling bad."
- **Examine needs: -** "I am a doctor, and I need a way to stay updated on the patient's charts. I don't have time to look through the computer program or go into the patient's room, so sometimes I miss important updates."

By the end of the Workshop, teams will have found innovative solutions to a social problem and created a tangible prototype from their ideas.

How to Improve Your Problem-Solving Skills?

Just like with any other skill, problem-solving is not an innate talent that you either have or you don't. There are concrete steps you can take to improve your skills.

Here are some things that will get you closer to mastering the problem-solving process:

I. Practice, Practice, Practice,
II. Use a tried and tested problem-solving workshop,
III. Learn from your peers,
IV. Learn & practice the best problem-solving exercises.

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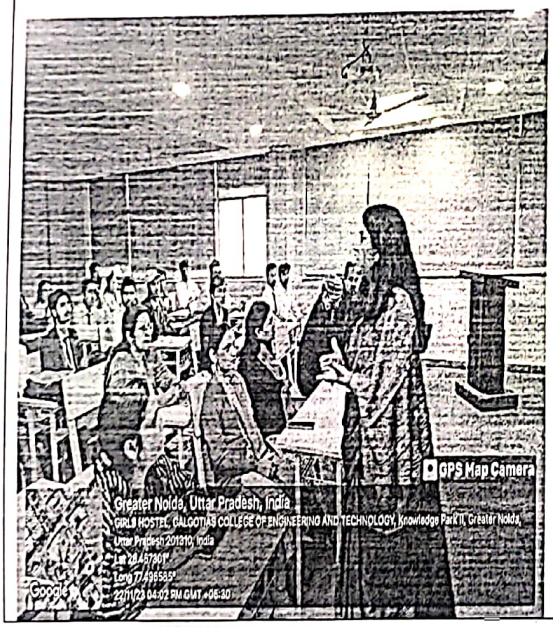
Outcome	Faculty Members and Students of **MIET** are now aware about problem solving skills, Entrepreneurial skills and to develop them on out of the box thinking. Students of **MIET** have participated in the workshop are able to: ▯ Learn to identify business opportunities where other people can only see problems. ▯ Understand social challenges and know how to analyze the context. ▯ Screen new technologies and quickly understand how they can be applied to solve a problem. ▯ Use creative tools and techniques to generate great ideas. ▯ Build innovative business models. ▯ Make rapid prototypes and use visual communication to create a great presentation of their ideas.

Photographs



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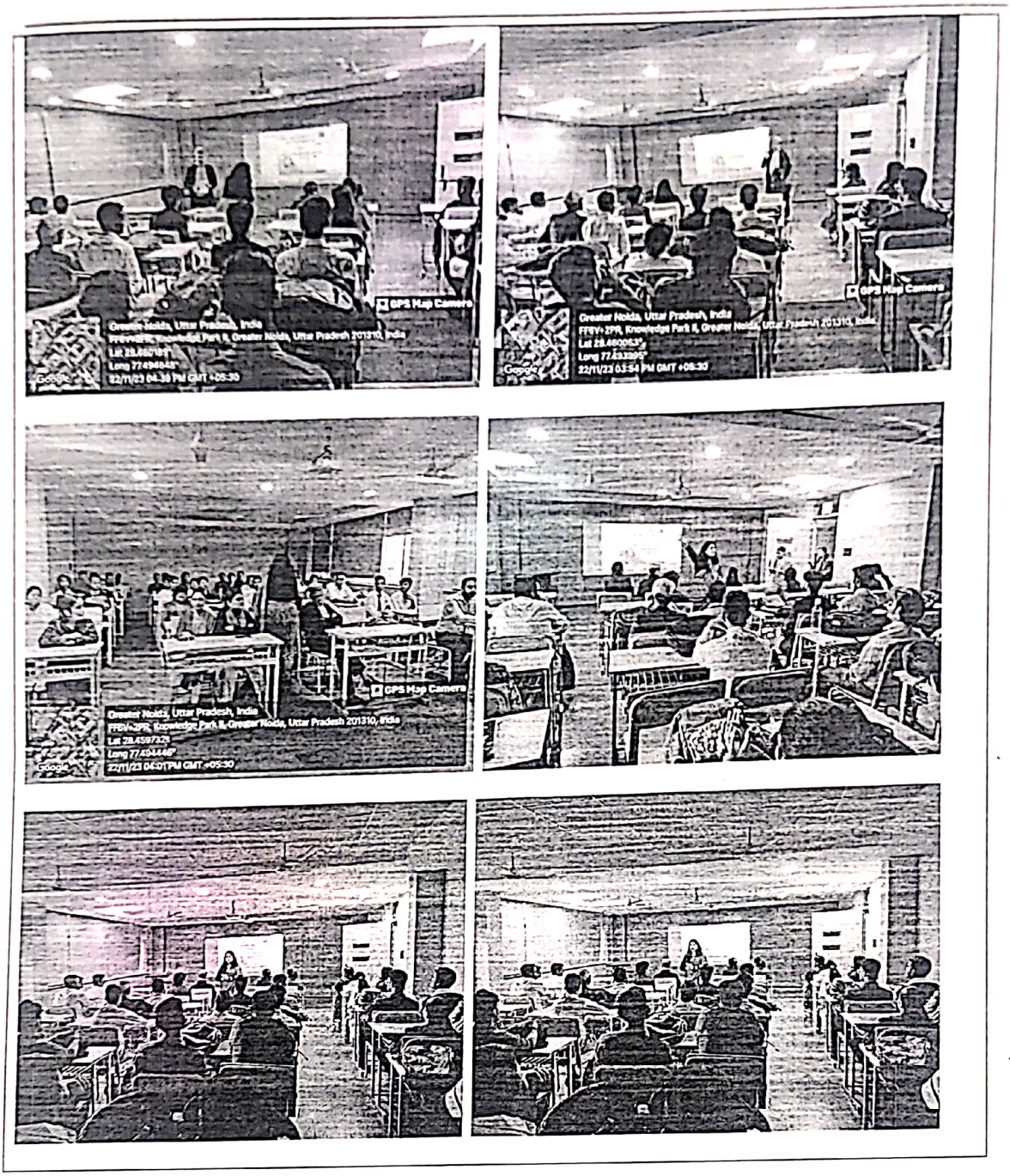

Activity
Coordinator

Director
MIET

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