



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



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DEPARTMENT OF ROBOTICS AND AUTOMATION ENGINEERING

Report on Design Thinking and Community-Based Design Program offered by
IUCEE (Indo-Universal Collaboration for Engineering Education) from June to August 2025

Submitted by:

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Introduction

The **Design Thinking and Community-Based Design Program** was conducted under the guidance of IUCEE (Indo-Universal Collaboration for Engineering Education) from June to August 2025, with Global Expert Faculty Dr. William Oakes (Purdue University, USA).

I had the privilege to serve as a **Faculty Mentor**, supporting the students through all stages of the program and also assisting as faculty for grading.

Student Participation and Completion

- **24 students** from AISSMS COE successfully completed the program under my mentorship.
- These students demonstrated **enthusiasm, creativity, and dedication** in solving real-world problems through the Design Thinking framework.
- Each student worked on structured assignments (Empathize, Define, Ideate, Prototype, Test, DFMEA, Reflections) and showcased strong performance throughout.

Learning Outcomes

Through this program, students achieved the following:

- **Developed empathy-driven problem-solving skills.**
- Learned to **collaborate effectively** in diverse teams.
- Practiced **structured creativity, prototyping, iteration, and testing.**
- Applied **risk analysis (DFMEA) and test planning** to validate ideas.
- Enhanced their confidence in **presenting innovative, user-centered solutions.**

This experience has strengthened their mindset of **innovation, empathy, and problem-solving**, which will support them in academic, professional, and entrepreneurial endeavors.

Recognition

I was honored to receive a **Certificate of Appreciation** from IUCEE for my valuable time contributed as a Faculty Mentor in this program.

Further, I am proud to share that **all 24 students from AISSMS COE successfully received their official certificates from IUCEE**, marking the completion of this program. These certificates validate their effort, creativity, and commitment to applying Design Thinking in solving real-world challenges.

This mentorship experience was **enriching both for the students and myself**. Some of the students I had never met personally, yet through their performance and engagement, I felt a strong sense of connection. I look forward to meeting all of them in person someday.



CERTIFICATE Of COMPLETION

Shreyash Pratap Shrishette

AISSMS COE Pune

Design Thinking and Community-Based Design

Jun to Aug 2025

8 Webinars with Assignments and Projects

Global Expert Faculty
Dr. William Oakes
Purdue University, USA

25C20959


Dr. Krishna Vedula,
Executive Director, IUCEE

CERTIFICATE Of COMPLETION

Riya Ravindra Lahane

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