Event Report

Event Name: Workshop on Prototype Process Design and Development

Date: 28/05/2024

Time: 10 am to 6 pm

Venue: Salt Lake Campus, JU

Organized by: IIC, JU

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1. Introduction

On the 28th of May, 2024, a workshop on "Prototype/Process Design and Development" was held at the Salt Lake Campus. The event was organized by the Innovation and Incubation Centre (IIC), JU, and was led by Dr. Praloy Sharma, Head of the IEEE Department. The workshop aimed to provide students with practical knowledge and skills in designing and developing prototypes and processes. The event was coordinated by Teacher Coordinator Pranibesh Mandal and Student Coordinator Samayan Mazumder, Project Fellow at IIC.

2. Organizing Committee

- **Innovation and Incubation Centre (IIC), JU**

Teacher Coordinator:

- Dr. Pranibesh Mandal (Convenor,IIC)

Student Coordinator:

- Samayan Mazumder, (Project Fellow,IIC)

3. Arrival and Registration

Participants began arriving at 9 am for registration. They were provided with event materials, including brochures, notebooks, and pens. The registration process was managed smoothly, ensuring all participants were seated and ready before the start of the workshop.

4. Welcome and Introduction

The workshop commenced with a welcome address by Pranibesh Mandal. He introduced the theme of the workshop and highlighted the importance of prototype and process design in the field of engineering and technology. Following this, Samayan Mazumder provided an overview of the workshop's agenda and the learning objectives for the day.

5. Workshop Sessions

5.1. Session by Dr. Praloy Sharma

Dr. Praloy Sharma, an expert in prototype and process design, led the primary session of the workshop. His presentation was divided into several key topics, each focusing on different aspects of prototype and process design and development.

5.1.1. Introduction to Prototype Design

Dr. Sharma began by explaining the fundamentals of prototype design. He covered the various stages of prototype development, from initial concept to final product. Key points included:

- Understanding the purpose and goals of prototyping.
- Identifying user needs and requirements.
- Creating design specifications and criteria.

He emphasized the importance of iterative design and testing to refine prototypes.

5.1.2. Process Design and Optimization

The session continued with an in-depth look at process design and optimization. Dr. Sharma discussed:

- The principles of process design and workflow analysis.
- Techniques for optimizing processes to improve efficiency and quality.
- The use of simulation tools and software for process design.

He provided practical examples and case studies to illustrate how effective process design can lead to significant improvements in production and operational efficiency.

5.1.3. Hands-on Prototyping Techniques

Dr. Sharma demonstrated various hands-on prototyping techniques, including:

- Rapid prototyping methods such as 3D printing and CNC machining.
- Use of prototyping tools and materials.
- Techniques for creating functional and aesthetic prototypes.

Participants were encouraged to engage in practical exercises to apply these techniques.

6. Interactive Session and Q&A

Following Dr. Sharma's presentation, an interactive session and Q&A were held. Participants had the opportunity to ask questions and engage in discussions on various aspects of prototype and process design. Topics such as common challenges in prototyping, selecting appropriate materials, and integrating user feedback into the design process were discussed. Dr. Sharma provided detailed answers and practical advice based on his extensive experience.

7. Group Activities and Practical Exercises

The workshop included group activities where participants collaborated on practical exercises related to prototype and process design. They were tasked with developing a prototype based on a given problem statement and optimizing a process for a hypothetical manufacturing scenario. This hands-on segment allowed participants to apply their newly acquired knowledge in a collaborative environment, fostering teamwork and innovation.

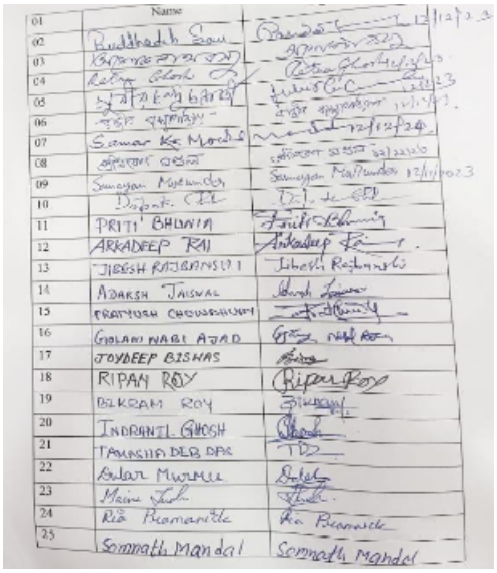
8. Conclusion and Closing Remarks

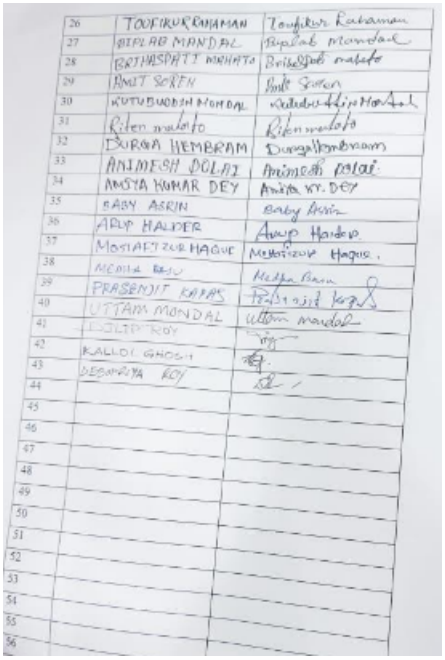
The workshop concluded with closing remarks by Dr. Praloy Sharma. He thanked the participants for their active engagement and encouraged them to continue exploring the field of prototype and process design. The workshop was highly appreciated, with attendees expressing their gratitude for the comprehensive coverage and practical insights provided.

Acknowledgements

We extend our sincere thanks to Dr. Praloy Sharma for his informative and engaging session, and to all participants for their enthusiastic involvement. Special thanks to Pranibesh Mandal and Samayan Mazumder for their efforts in organizing and coordinating this successful workshop. Gratitude is also extended to IIC, JU for their support and facilitation.

Attendance Sheet:-





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29	AMIT SOREN	Amit Soren
30	KUTUBUDDIN MONDAL	Kutubuddin Mondal
31	Riten mahato	Riten mahato
32	DURGA HEMBRAM	Durga Hembram
33	ANIMESH DOLAI	Animesh Dolai
34	AMIYA KUMAR DEY	Amiya Kr. Dey
35	BABY ASRIN	Baby Asrin
36	ARUP HALDER	Arup Halder
37	MOSIAFIZUR HAQUE	Mosfizur Haque.
38	MEHNA BASU	Mehna Basu
39	PRASENJIT KARAS	Prasenjit Karas
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43	DEBARIYA ROY	
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