



Sandip Foundation's
Sandip Institute of Engineering and Management,

At & Po –Mahiravani, Trimbak Road, Nashik-422213

Phone: (02594) 222 581/82/83/84, Fax: (02594) 222 585

<http://www.sandipfoundation.org/> / info@siem.org.in

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Affiliated to Savitribai Phule Pune University, Pune

Accredited with "A" grade by NAAC With CGPA Score of 3.10



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Department of Mechanical Engineering

A.Y. 2024-25 SEM-I

Mastering Product Design: A Live Project-Based Training

1. **Event Title** – Mastering Product Design: A Live Project-Based Training
2. **Event Date:** 27/09/2024 & 28/09/2024
3. **Event Conduction Duration:** 10:00 to 4:00 PM (12 Hours)
4. **Event Venue:** Mechatronics Lab, Mechanical Engineering
5. **Event Resource Person /Guest Details:** - Mr. Anand Bhise, CEO of Mechatol Product Engineering Solutions Pvt. Ltd., Pune. Mechatol Product Engineering Solutions Pvt Ltd, based in Pune, India, is a product-focused company specializing in product design and development across multiple disciplines. We offer comprehensive industrial product design services, guiding projects from initial concept through design, analysis, validation, and final manufacturing.
6. **Event Coordinator:** Prof. K.P.Joshi
7. **Expected Audience:** BE Mechanical Engineering Students
8. **Number of Participants:** 15
9. **Event Objectives & Outcomes:**

Objectives:

1. To provide students with in-depth knowledge of product design and development through real-time projects and practical exposure.
2. To familiarize students with the entire design-to-manufacturing process, including conceptualization, analysis, validation, and prototype development.
3. To enhance students' understanding of Design for Manufacturability (DFM) and its importance in creating efficient and reliable products.
4. To equip students with practical skills in product design software and tools used in the industry.
5. To bridge the gap between academic knowledge and industry practices, preparing students for real-world engineering challenges.

Outcomes:

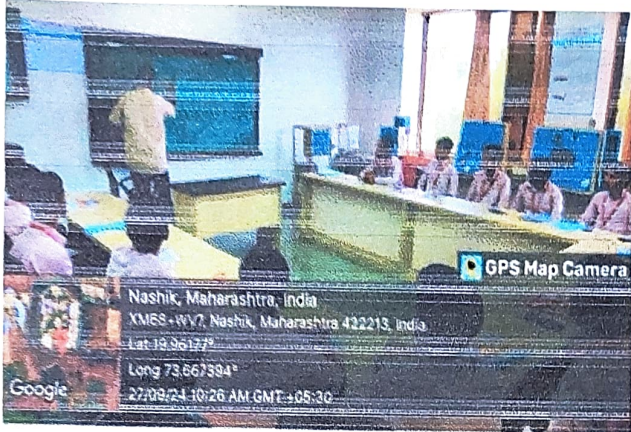
1. Students gained hands-on experience in the end-to-end product development cycle, from initial concept to final design.
2. Participants developed a strong understanding of design analysis and validation processes, which are critical for successful product engineering.
3. Students were able to actively engage in live projects, enhancing their skills in product design software and engineering tools.
4. The Training helped students grasp the significance of Design for Manufacturability, reducing product development time while ensuring quality and efficiency.
5. The event provided valuable insights into industry trends, techniques, and best practices, improving the participants' career readiness for roles in product design and development.

Event Summary:

The two-day training session and live project on Product Design and Development was a highly engaging and informative event organized by the Department of Mechanical Engineering. Mr. Anand Bhise, CEO of Mechatol Product Engineering Solutions Pvt. Ltd., Pune, shared his extensive industry experience, guiding the students through various stages of product design and development. The students were introduced to cutting-edge tools and methods used in the field, with a particular focus on creating innovative products that meet time-to-market, quality, and budget requirements.

The Training allowed students to gain practical knowledge and technical skills, strengthening their ability to tackle real-world product engineering challenges. The exposure to live projects enriched their academic understanding and prepared them for future careers in product design and development. Overall, the event was a resounding success, offering participants a comprehensive learning experience and bridging the gap between academia and industry.

10. Photos



Students Engaged in Hands-On Learning and Real-World Problem Solving & Group Photo.



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11. Attendance:

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Sr. No.	Roll No.	Student Name	Mobile Number	mail id	27-09-2024 First Half	27-09-2024 Second Half	28-09-2024 First Half	28-09-2024 Second Half	
1	15	Hemant Namdeo Thakare	7058540083	hemantthakare749@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
2	03	Nakul Atmavans Mahale	9546764189	mahalenakul2003@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
3	12	Atishay Poddar	9326691531	poddar_atishay144@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
4	16	Sahil Mahendra Wankhede	9860693998	sahilwankhede1718@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
5	32	Kurhade Veubhav Pradip	71389320256	kurhadeveubhav6@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
6	10	Ritesh Umesh Mali	9146364414	riteshumali@gmail.in	[Signature]	[Signature]	[Signature]	[Signature]	
7	02	Kakliji Shubham Dhanraj	958805199	kaklijishubham216@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
8	01	Soham Manibhau Badach	9359750736	badachsoham2003@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
9	05	Om Umesh Gayle	7666893375	omgayke8820@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
10	19	Aniruddha Ashak Makare	9422896551	aniruddha.chaudhari90@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
11	11	Sahil Ravindra Phatangare	7995228576	sahilphatangare12@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
12	02	Deven Sunil Bhadane	7350285958	deven.bhadane96@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
13	08	Divooj Shaanbhagan Lonare	7742989367	lonared13720@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
14	02	Yuvraj Babasaheb Bidgar	9579344450	yuvrajbidgar217@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	
15	13	Gaurav Lakman Shinde	7028342904	gauravshinde097@gmail.com	[Signature]	[Signature]	[Signature]	[Signature]	

Event Coordinator

Dr. A. S. Dube
 MOD

Dr. D. P. Patil
 Principal

PRINCIPAL

Sandip Institute of Engineering & Management
 Mahiravani, Nashik - 422 213

