



Techno -Social Excellence"
MARATHWADA MITRA MANDAL'S
INSTITUTE OF TECHNOLOGY (MMIT)
S.No.35, Plot No. 5/6, Lohgaon, Pune-411 047



A REPORT ON

“Workshop on Design Thinking, Critical Thinking & Innovation Design”

20th February 2026



Organized By
Department of Engineering Sciences

Under

Institute's Innovation Council
Marathwada Mitra Mandal's Institute of Technology,
Lohgaon, Pune

Approved by **AICTE** New Delhi, Recognized by **DTE** Maharashtra & Affiliated to Savitribai Phule Pune
NAAC “A” Accredited Institute

Chief Patrons



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Coordinator

Dr. Pratibha Desai & Mr Sanket Barde
Department of Engineering Sciences, MMIT, Lohgaon, Pune



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INSTITUTION'S INNOVATION COUNCIL
(Academic Year 2025-26)

Date: 01/03/2026

“Workshop on Design Thinking, Critical Thinking & Innovation Design”

The Institution's Innovation Council (IIC) initiated a One day “**Workshop on Design Thinking, Critical Thinking & Innovation Design**” on 20th February 2026 at MMIT, Lohgaon, Pune. IIC along with the Department of Engineering Sciences. The workshop aimed to equip students with modern approaches to tackle real-world challenges through structured and innovative methods.

The details of the competition held are as follows:

Resource Person

The workshop and guest lecture were conducted by **Dr. Ashif H. Tamboli**, who shared valuable insights on sustainable chemical innovation, research, and entrepreneurship.

Dates: 20th February 2026

Mode: Offline Mode

Time: From 10.30 am to 3.30 pm

Total Participants: 50 students

Objectives of the Workshop

The workshop aimed to:

- Introduce students to the concepts of Design Thinking and Critical Thinking.
- Encourage creativity and innovation in engineering education.
- Develop analytical and problem-solving skills.
- Create awareness about sustainable chemical processes and emerging technologies.



- Inspire students to connect research with real-world industrial applications and entrepreneurship.

The workshop also focused on critical thinking skills such as logical reasoning, decision-making, analytical observation, and problem analysis. Students participated in brainstorming activities, discussions, and interactive sessions that encouraged collaborative learning and innovation.

During the guest lecture segment, **Dr. Tamboli** delivered an inspiring talk on sustainable chemical processes, innovation, and entrepreneurship. He shared insights from his research in catalysis, nanomaterials, hydrogen production, and CO₂ utilization, emphasizing the role of sustainable technologies in addressing environmental and energy-related challenges.

He also discussed his journey from academia to entrepreneurship, explaining how research ideas can be transformed into practical industrial applications and startup opportunities. His experiences motivated students to embrace innovation, resilience, and continuous learning.

Outcomes of the Workshop:

The workshop successfully enabled students to:

- Understand the principles of Design Thinking and Critical Thinking.
- Enhance creativity and innovative problem-solving abilities.
- Gain exposure to sustainable chemical technologies and research areas.
- Develop awareness about entrepreneurship and industry-oriented innovation.
- Learn the importance of bridging academic research with practical applications.
- Improve teamwork, communication, and analytical skills.

Glimpses of the Event





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Social media links-

Facebook: https://www.facebook.com/mmit.lohgaon.9/posts/1820900538471830?ref=embed_post

LinkedIn: https://twitter.com/MMIT_Lohgaon/status/1920737219628712221

Dr. Pratibha Desai & Mr. Sanket Barde

Event Co-Ordinators

HoD

Dept. of Engineering Sciences

**President
IIC, MMIT**



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Social media links-

Face book:

<https://www.facebook.com/mmit.lohgaon.9/posts/pfbid02t2c21RRpoJK5vtpNjVpjbboVvk9cnSY9dyLiqTpdvBUu5v9tuaeiCm91JQVT2GWeI>

X: https://twitter.com/MMIT_Lohgaon/status/2060270284960403654


Dr. Pratibha Desai & Mr. Sanket Barde
Event Co-Ordinators


HoD
Dept. of Engineering Sciences


President
IIC, MMIT



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Feedback

Time stamp	Email Address	Name of student	Roll number	How would you rate your overall experience about workshop ?	The workshop helped me understand practical applications of theoretical concepts.	The workshop provided good exposure to industrial environment and processes.	Rate the knowledge and insights gained during the workshop :	Rate the planning and organization of the workshop :	What were the key concepts/ technologies you learned during the workshop?	Any suggestions to improve future workshop :
2/20/2026 17:24:11	darshan.kalhapure25@mmmit.edu.in	Darshan Kalhapure	210	5	5	Strongly agree	Excellent	5	CO2 utilization	NA
2/20/2026 17:26:30	pratibha.sawant25@mmmit.edu.in	Pratibha Sawant	242	3	3	Neutral	Good	3	Nanomaterials	
2/20/2026 17:35:16	payal.kharche25@mmmit.edu.in	Payal Kharche	110	5	5	Agree	Excellent	5	H2 generation	No
2/20/2026 17:37:44	vaibhav.kokate25@mmmit.edu.in	Vaibhav Anil Kokate	254	2	3	Neutral	Good	5	Various catalyst	No
2/20/2026 17:44:54	omkar.kesbhat25@mmmit.edu.in	Omkar rajendra kesbhat	727	4	5	Strongly agree	Good	5	about innovation	Any
2/20/2026 19:06:23	siddhi.umatate25@mmmit.edu.in	Siddi Umate	459	4	5	Strongly agree	Excellent	5	about research and its implementation	No
2/20/2026 6 6:01:11	aruba.bgwan25@mmmit.edu.in	Aruba Bgwan	423	4	5	Agree	Good	5	about nanomaterials applications	Nothing
2/20/2026 8 8:40:44	pranav.bandewad	Pranav Tryamba	603	4	4	Agree	Very good	4	catalyst synthesis	



	25@mmit.edu.in	k bandewad							and its applications	
2/20/2026 10:31:20	gauri.shelke25@mmit.edu.in	Gauri Shelke	455	3	4	Neutral	Good	4	Nanomaterials applications	NA
2/20/2026 13:14:34	anjali.patil25@mmit.edu.in	Anjali Patil	610	3	3	Agree	Fair	5	generation of H2	
2/20/2026 17:42:08	shreyas.pawar25@mmit.edu.in	Shreyas Nilesh Pawar	320	5	5	Strongly agree	Excellent	5	catalyst applications	NA
2/20/2026 22:16:41	yashashri.patil25@mmit.edu.in	Yashashri Yomesh Patil	120	5	5	Strongly agree	Excellent	5	nanomaterial synthesis	No...
2/21/2026 22:16:45	alveera.mujawar25@mmit.edu.in	Alveera Mujawar	553						CO2 utilization	



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INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

Department of Engineering Sciences

Event: Workshop on design Thinking Critical Thinking & Innovation Design

Date: 20/02/2026

Venue: E-301

Attendance Sheet

Sr.no.	Roll no.	Division	Name	Sign.
1.	116	A	Dnyaneshwar; Ranpise.	<u>D.R. Ranpise</u>
2.	455	D	Gauri Shelke	<u>Gauri</u>
3.	454	D	Kashish Shaikh	<u>Kashish</u>
4.	442	D	Pranali Chaudhari	<u>Pranali</u>
5.	423	D	Aruba Bagwan.	<u>Aruba</u>
6.	120	A	Yashashri Patil	<u>Yashashri</u>
7.	110	A	Payal Kharche	<u>P.v. Kharche</u>
8.	158	A	Parmeshwari Sanyasi	<u>Parmeshwari</u>
9.	438	D	Tanaya Tayare	<u>Tanaya</u>
10.	615	F	Sanskriti Thombare	<u>Sanskriti</u>
11.	610	F	Anjali Patil	<u>Anjali</u>
12.	459	D	Siddhi Umate	<u>Siddhi</u>
13.	169	A	Mahi Yelure	<u>Mahi Yelure</u>
14.	642	F	Awadhoot Nangau	<u>Awadhoot</u>
15.	608	F	Manish Badad	<u>Manish B</u>
16.	603	F	Pranav Bandewad	<u>Pranav</u>
17.	605	F	Aryan Dhole	<u>Aryan</u>



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Sr.no.	Roll no.	Division	Name	Sign.
18	639	F	Shubham Singh	
19	647	F	Aditya Jang	
20	406	D	Rushikesh Ghole	
21	562	E	Vivek Bhadane	
22	553	E	Alveera Mujawar	
23	544	E	BANDANA PARIDA	
24	550	E	Ayush Gawari	
25	102	A	Mukta Bhandol	
26	117	A	Sanjana Kumari	
27	516	E	Sakshi Gangad	
28	5162	A	Tanishka Harde	
29	258	B	Disha Payal	
30	261	B	Shivanshali Harhar	
31	133	A	Atharva Komle	
32	242	B	Pratibha Sawant	
32	201	B	Priyanka Gite	
34	231	B	Omkar Isadom	

