

EVENT REPORT

Name of the Event:	Workshop on "Robotics and Automation: Simulation of Arm Robots"	
Date: 23 rd April, 2024	No. of Participants: 25 + 4 Faculty members	

The Robotics Society of MAIT, under the Department of Mechanical Engineering, in collaboration with Nextup Robotics Private Limited, organized a workshop on "Robotics and Automation: Simulation of Arm Robots" on April 23, 2024. This event was a significant initiative aimed at exploring the latest advancements in robotics technology.

One of the key highlights of the workshop was the simulation of robot arms, where Mr. Kirat Singh and his team from Nextup Robotics Private Limited conducted an in-depth session on the principles, design, and applications of robotic arms in various industries. The session demonstrated the precision, flexibility, and efficiency of modern robotic systems in executing complex tasks. Another major focus was automation in manufacturing, where experts presented case studies and real-world examples showcasing how robotics and automation are transforming production lines by improving productivity, reducing costs, and enhancing quality control. Discussions also covered the integration of artificial intelligence and machine learning in automated systems.

Additionally, the workshop delved into emerging technologies such as collaborative robots (cobots), autonomous vehicles, and drones, highlighting their potential impact across various sectors, including healthcare, logistics, agriculture, and smart cities. The event also featured interactive sessions, allowing participants to engage with industry experts, ask questions, and exchange ideas, fostering a collaborative learning environment.

Overall, the workshop provided a comprehensive overview of the latest trends, challenges, and opportunities in robotics and automation. The simulation session led by Mr. Kirat Singh and his team was particularly enlightening, demonstrating the capabilities of modern robotic technology. The event served as a platform for idea exchange, networking, and innovation, contributing to the growth of the robotics industry. Attendees praised the workshop for its informative content, engaging presentations, and interactive discussions,

with many expressing interest in future workshops and collaborations with Nextup Robotics Private Limited. The event was a resounding success, reinforcing the importance of continuous learning and advancement in the field of robotics and automation.



List of Faculty:

S.No.	Name
1	Dr. Sidharth
2	Dr. Vipin Kumar Sharma
3	Dr. Sumit Joshi
4	Mr. Madhukar

List of Participants:

S.No.	Name	Enrollment number
1	Vasu Kumar	00714808223
2	Mayank Agarwal	00214811122
3	Nitish Kumar Rai	00414808223
4	Ashish	002
5	Anirudh Nair	00414811122
6	Md Taufique Umar	

7	Laksh Kaushik	02914811122
8	B Jayant	01714811122
9	Mohit Joshi	03014811122
10	Keshav Nandan	0121480823
11	Himanshu Vishwakarma	20214803622
12	Raman Kumar	20114803622
13	Pankaj Kumar	04614811122
14	Ayush Thukral	00214811121
15	Lakshya Aswal	02114811121
16	Ankit Rawat	02014811121
17	Aman Kumar	01114808222
18	Vishal Verma	00414808222
19	Mohit Sharma	03614811121
20	Abhay Nikilesh	02514811121
21	Sahil Yogi	01514807422
22	Sharmishta Menon	03414811121
23	Karan	01214807422
24	Lalit Sharma	04014811121
25	Hitesh	80114807422