Report on workshop on Introduction to Robotics	
Organized by	Department of IT and BA,
Workshop Title	Introduction to Robotics
Mode	Online session through Zoom with student participation from the Media centre
Beneficiaries	MBA BA Specialization students
Date	23rd June 2025

1. Introduction

The workshop on "Introduction to Robotics" was organized for MBA students of RV Institute of Management, Bengaluru, to create awareness about robotics, automation and their relevance in the contemporary business environment. The session introduced students to the basic concepts of robots, robotic systems, automation technologies and real-world applications across industries.

As technology-driven transformation is reshaping business processes, managers are expected to understand emerging technologies such as robotics, artificial intelligence and automation. The workshop helped students appreciate how robotics can enhance productivity, quality, operational efficiency, innovation and decision-making in sectors such as manufacturing, healthcare, logistics, retail, services and education.

2. Objectives of the Workshop

- To introduce students to the basic concepts, evolution and importance of robotics.
- To explain the major components of robotic systems such as sensors, actuators, controllers and robotic arms.
- To create awareness about the role of robotics in Industry 4.0, automation and smart business operations.
- To help MBA students connect robotics applications with management areas such as operations, supply chain, analytics, innovation and entrepreneurship.
- To motivate students to develop curiosity towards emerging technologies and technology-enabled business models.

3. Agenda of the Workshop

Sl. No.	Session Component	Details
1	Welcome and Introduction	Welcome address, introduction of resource person and overview of the workshop theme.
2	Fundamentals of Robotics	Meaning, evolution, types of robots and key concepts in robotics.
3	Components of Robotic Systems	Discussion on sensors, actuators, controllers, motors, robotic arms and automation systems.
4	Applications of Robotics	Industrial, service, healthcare, logistics, education and business applications of robotics.

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5	Industry Relevance and Case Examples	Role of robotics in productivity, quality improvement, cost efficiency and smart operations.
6	Interaction and Feedback	Question-and-answer session, student interaction and collection of participant feedback.

4. Resource Person Profile

The session was conducted by Dr. Shrinatha R. Katti, Assistant Professor, Department of Mechanical Engineering, NIE Institute of Technology, Mysuru. He is also associated as Chief Mentor with M R Automation Solutions, Mysuru. The resource person brought strong academic and practical exposure in the area of mechanical engineering, robotics and automation, helping students understand the practical relevance of robotics in industry and business.

5. List of Participants

The workshop was attended by MBA students of RV Institute of Management. The detailed list of participants may be maintained as an attendance record. An editable participant list format is provided below for official documentation.

Sl. No.	Name of the Participant	Semester / Section	23/06/26
1	Apeksha Siddannavar	IV Sem , C Section	P
2	Arun Madev Biradar	IV Sem , C Section	P
3	B.Gayathri	IV Sem , C Section	P
4	Bhagyalakshmi P R	IV Sem , C Section	P
5	C Bhargavi	IV Sem , C Section	P
6	Dhruthi B	IV Sem , C Section	P
7	Dushyanth N	IV Sem , C Section	P
8	Fouziya Banu	IV Sem , C Section	P
9	G.P Tejishree	IV Sem , C Section	P
10	Harshad Narayana M.S	IV Sem , C Section	P
11	Indresh N	IV Sem , C Section	P
12	Karthik Kamath	IV Sem , C Section	P
13	Karthik S	IV Sem , C Section	P
14	Keerthana Prabhu	IV Sem , C Section	P
15	Kushal Vedanandagouda Patil	IV Sem , C Section	P
16	Lakshmi Muvvala	IV Sem , C Section	P
17	Mamatha S	IV Sem , C Section	P
18	Manoj.M	IV Sem , C Section	P
19	Mark Dakshin Kennedy	IV Sem , C Section	P
20	Medha.B	IV Sem , C Section	P

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6. Participant Feedback

Participants found the workshop informative and relevant to their management education, especially in understanding how robotics and automation are transforming business operations. The visual examples and interactive presentation helped students connect the concepts of robotics with real-world applications.

- Students appreciated the clarity of the resource person and the use of practical examples.
- Participants gained awareness of robotics applications in manufacturing, healthcare, logistics and service sectors.
- Students felt that the session strengthened their understanding of emerging technologies and Industry 4.0.
- Many participants expressed interest in attending more hands-on sessions and demonstrations on robotics and automation.

7. Outcomes Attained

At the end of the workshop, the following learning outcomes were attained:

1. Students understood the basic meaning, scope and importance of robotics.
2. Students were able to identify the key components and working principles of robotic systems.
3. Students became aware of the applications of robotics in different industries and functional areas of management.
4. Students understood the role of robotics and automation in improving productivity, efficiency, quality and innovation.
5. The workshop encouraged students to explore emerging technologies and their impact on future business practices.

8. Conclusion

The workshop on "Introduction to Robotics" successfully introduced MBA students to the fundamentals and applications of robotics. The session bridged the gap between technology and management by highlighting the relevance of robotics in business transformation and Industry 4.0. The programme created awareness among students about automation-driven opportunities and encouraged them to develop a future-ready mindset.

Overall, the workshop was informative, engaging and beneficial for students, and it contributed to enhancing their understanding of emerging technologies in the business context.

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Photo Gallery



Co-ordinator

Director

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