Title	Workshop on Robotics- Alumni Talk	
Department	Department of Mechanical Engineering	
Date	From: 24/03/2023	To:
Time	From: 9:30 AM	To: 12:30 PM
Brief Description	A workshop on Robotics was organized by the Department of Mechanical Engineering for the students of first year on **24th March 2023** workshop was designed to introduce participants to the fundamental concepts and practical applications of robotics. This workshop aimed to foster creativity, problem-solving skills, and a deep understanding of how robot function. **Mr. Narasimha, founder-STEMx,** and **Mr. Chethan K, founder-Epicenter3D**, both alumnus of Department of Mechanical Engineering were the resource person for the event. **<u>Workshop Outline:</u>** Introduction to Robotics - Welcome and overview of the workshop. - Importance of robotics in today's world. - Fundamentals of Robotics - Introduction to robot anatomy and components. Hands-On Robot Assembly - Divide participants into small teams. - Provide robot kits with various components (chassis, motors, sensors, etc.). - Step-by-step guidance on assembling the robots. - Introduction to programming concepts for robotics. Team Challenges and Competition - Assign specific challenges to teams, such as navigating obstacles, collecting objects, or following a line. - Encourage teams to apply their knowledge and programming skills to complete the tasks. - Foster collaboration, problem-solving, and creative thinking among participants. Q&A and Conclusion - Address participants' questions and concerns. - Recap the key concepts and skills learned during the workshop. - Share additional resources and references for further exploration. **<u>Outcomes and Impact:</u>** The workshop on robotics achieved several positive outcomes and had a significant impact on the participants: - Knowledge Enhancement: Participants gained a comprehensive understanding of robotics, including its principles, components, and programming. - Skill Development: Through hands-on activities and programming	

	exercises, participants developed practical skills in robot assembly, programming, and problem-solving • Inspiration and Motivation: The workshop ignited participants passion for robotics, inspiring them to pursue innovative ideas and projects. • Collaboration and Networking: Participants had the opportunity to collaborate with peers, exchange ideas, and build connections within the other students of same interest.
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