



A J INSTITUTE OF ENGINEERING AND TECHNOLOGY

NH-66, Kottara Chowki, Mangaluru -575006, Karnataka, INDIA

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi. Affiliated to Visveswaraya Technological University, Belagavi)

Accredited by NBA (BE: CV, CSE, ECE, ISE, ME)

“Workshop on Robotics”

Date	12-09-2023 to 14-09-2023
No. of participants	45 Students and 11 Faculties
Resource Person	Mr. Vidyasagar, Consultant /Trainer, Makeintern India

Report:

Robotics is an interdisciplinary branch of engineering which includes mechanical, computer science & electronics that involves the conception, design, manufacture and operation of robots.

The field of robotics develops machines that can automate tasks and do various jobs that a human might not be able to do. Robots can be used in many situations for many purposes, but today many are used in dangerous environments including inspection of radioactive materials, bomb detection and deactivation, manufacturing processes, or where humans cannot survive e.g., in space, underwater, in high heat, and clean up and containment of hazardous materials and radiation.

Considering the wide scope in this robotics workshop on “Robotics” organised by Department Mechanical Engineering in association with E-Cell 2k23-24 IIT Kharagpur. The resource person for this workshop, Mr. Vidyasagar Consultant /Trainer Makeintern India, explained with demonstration various tools and techniques to start programming and testing of robots. Workshop was inaugurated by Dr. Shantharama Rai C, Principal along with Dr. Rajesh Rai, HOD Department of Mechanical Engineering. Mr. Prashantha D A and Mr. Prasad B G Coordinators were also present during this event. All faculty members and students of second year attended this workshop. The following five students are shortlisted for the Robotics competition which will be held at IIT Khargpur campus.

1. Gautham J
2. Mohammed Ashur Anwar
3. Abhilash M
4. Shripathi K
5. Ayan Thonse

Objectives: The program **Workshop on Robotics** enable students to



Principal
A.J. Institute of Engineering & Technology
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1. Understand the basics of Arduino.
2. Explain the use of different tools and methods of programming Arduino.

Outcomes: On successful completion of program of this workshop the student should able to:

1. Demonstrate a foundational understanding of Arduino technology
2. Apply various tools and methods for programming Arduino

Articulation Matrix:

Course Outcomes	Program Outcomes POs												PSOs of Dept. of ME	
	1	2	3	4	5	6	7	8	9	10	11	12	PSO 1	PSO 2
1					3			1	2	1		2		2
2					3				2	1		2		2
3					3				2	1		2		2
Average					3			1	2	1		2		2



[Signature]
 Coordinators



[Signature]
 HOD

[Signature]
 Principal

H.O.D. - Mechanical Engineering
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