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GANDHINAGAR INSTITUTE OF TECHNOLOGY

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DOC NO: 1426

A Report on

A

ROBO MAKING WORKSHOP

Organized by

Mechanical Engineering Dept.

&

GIT-IQAC

on

01/09/2021

Gandhinagar Institute of Technology

Academic Year 2021-22



Level:- Intracollege

Category:- Workshop

Date:- 01/09/2021 (1 Day)

No. of Resource Person: 2

No. of Participants:- 34

Coordinator and Co-coordinator name:

Prof. Amit Patel (Coordinator)

Prof. Jatin Patel (Co-Coordinator)

Mode:- Offline

Objective:

Robotics will be the future of Engineering, and Robotics technology influences every aspect of work and home. This program will help the students to enhance their knowledge in the mechanical, electrical, and electronics domains. The basic aim of this workshop is to build confidence in the students for making a robot on their own.

About Workshop:

The Mechanical engineering department and IQAC cell of GIT have organized a Robo-Making workshop on 1/9/2021. The workshop has started at 9:30 AM with the introductory speech of Prof. Amit Patel on the requirement of such knowledge to strengthen India in the seminar hall of GIT. Then, Prof Jatin Patel delivered a presentation regarding basic wired and wireless robots. In session 2, how to assemble the kit and wiring have been taught to the students. Total 8 groups of 3 to 4 students have been formed for the easy conduction of hands-on experience. Students have carried their own kits to enjoy the hands-on experience. In the end, small Robo race competitions have been planned to make aware about the control of robots.

Outcome:-

After completion of the workshop, students have learned about the future requirement of and research going in the robotics domain. They have studied all the fundamental modules of the wired robot, assembly, and wiring. Very good feedback has been obtained from the students regarding their gain during the workshop.



Glimpse of Robo making workshop



Introductory session by Prof. Amit Patel and Prof. Jatin Patel



Prof. Jatin Patel explained about different wired robots



Students doing assembly of wired robot



Soldering practice to fix the wire to switch



Final assembly by all the team of students



A small Robo Race competition to understand the control of robot



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Group photo with Coordinator, Volunteer and Participants after the completion of event