



Centurion
UNIVERSITY
*Shaping Lives...
Empowering Communities...*

3 Days Hands-on Workshop

on

Robot Design, Testing, and Control system

Date: from 21. 07. 2022 to 23.07 2022

Resource Person Details (Along With Specialization & Short Bio-Data):

1. Mr. Sudip Chandra Gupta, AI Saga Technologies, Bangalore.

No. of Students and/or Faculty Participated:

Co-ordinator Details: Dr. Harish Chandra Mohanta, Associate Professor & HOD, ECE

Objective:

1. To develop a mobile robot using computer vision for various application

Detailed report of the activity:

It was 3 Days Hands-on Workshop on Robot Design, Testing and Control Systems.

Session Plan:

Day 1: 21.07.2022

9:30 - 11:00 Introduction to CADD tool (AutoCAD, CATIA)

11:00 - 11:30 Introduction to analysis tools

11:30 - 13:30 Simple mechanical system design

13:30 - 14:00 **Lunch Break**

14:00 - 15:00 Understanding the design of the mobile robot

15:00 – 16:00 Q & A session Future Scope Day End Note

Day 2: 22.07.2022

9:30 - 11:30 Robot Assembly

11:30 - 13:00 Electronics component testing and assembly

13:00 - 13:30 **Lunch Break**

13:30 – 16:00 Simple motion programs for the mobile Robot Discussion for control System

Day 3: 23.07.2022

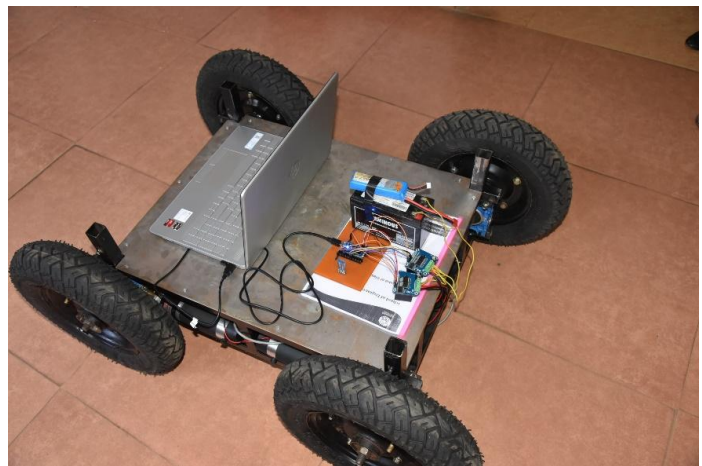
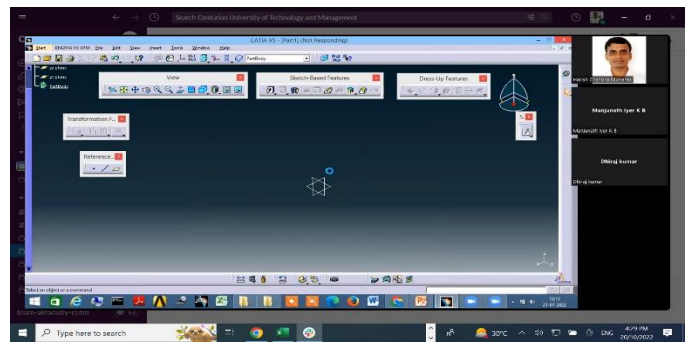
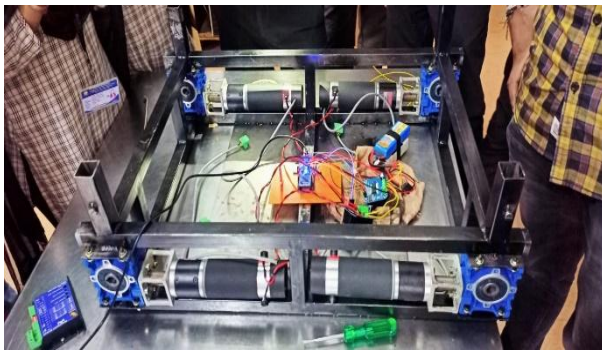
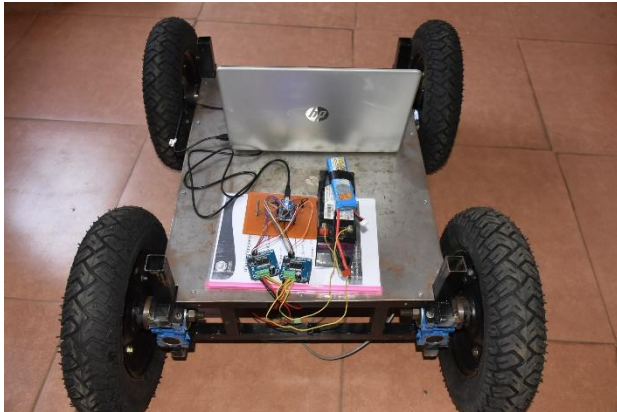
9:30 - 10:30 Introduction to Control System

10:30 - 13:00 Types of Control & Design of Controller

13:00 - 13:30 **Lunch Break**

13:30 – 16:00 Implementation of Control System on Mobile Robot

Photographs of the event:



List of Participants:

1	Dr. Harish Chandra Mohanta
2	Dr. Chandra Sekhar Dash
3	Dr. Sudhansu Kumar Samal
4	Mr. Gautam Modak
5	Mrs Jyotirmayee Behera
6	Mr. V. V Sriharsha
7	Mr. Nanaji Rao
8	Mr. Murali Veeravalli

9	Mr. Jagannath Reddy
10	Abhishek Kumar Bhagat
11	Dhiraj Kumar
12	Anwesha Mohanty
13	Deba Priya Manna
14	Sachidananda Panda
15	Sahil Subudhi
16	Bibekananda Panda
17	Shreya Mishra
18	Subham Shree Rout
19	Durga Prasad Rath
20	Sonam Nayak

Brochure related to the event:

The brochure features a dark blue header with three logos: Centurion University, Institution's Innovation Council, and a Quality Institute logo. Below the logos, the title "3 Days Hands-on Workshop on 'Robot Design, Testing, and Control System'" is written in red. The date "Date: - 21st July to 23rd July 2022 (9.30 AM-4.00 PM IST)" is centered. The organizer is listed as "Dept. of Electronics & Communication Engineering".

Resource Person



Mr. Sudip Chandra Gupta
Director,
AISAGA TECHNOLOGIES PRIVATE LIMITED

Coordinators :
Dr. Harish Chandra Mohanta
Associate Professor
Dept. of ECE, SoET, CUTM
Mob No.: 7008394417

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Dr. Harish Chandra Mohanta
Associate Professor & HOD, ECE