CENTRE OF EXCELLENCE

ROBOT MODELS

1. Staircase Robot
2. Pipe Crawling Robot
3. Agriculture Robot
4. Fire Fighting Robot
5. Brain Controlled Wheel Chair
6. BCI Pick and Place
7. Floor Cleaning Robot
8. Path Finding Robot
9. Computer Vision Shopping Trolley
10. Robocop
11. AWS Inventory management automation using IoT
12. Deep learning based variable vehicle speed limiter for accident avoidance using RF transmitter

Facilities in CoE

Sl. No.	Description of Equipment	Sl. No.	Description of Equipment
1.	Arduino IDE	15.	Encoder DC Motor
2.	Embedded C	16.	Camera
3.	RoS	17.	Ultrasonic Sensor
4.	Python	18.	Water Pump
5.	OpenCV	19.	Brainwave Sensor
6.	MATLAB	20.	MPU-6050
7.	Python IDE	21.	Line Sensor
8.	DC Motor	22.	NodeMCU ESP32
9.	Arduino UNO	23.	IR Sensor
10.	HC-05	24.	Load cell
11.	Motor Driver	25.	AWS
12.	Jetson Nano	26.	RF transmitter receiver
13.	RPLidar	27.	L293D
14.	Arduino Nano	28.	YOLO