NANDHA EDUCATIONAL INSTITUTIONS

NANDHA ENGINEERING COLLEGE

(An Autonomous Institution), ERODE-638 052

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

3 IN 1 ROBOT CAR

BRIEF DESCRIPTION

The "3-in-1 Robot Car" is an innovative IoT project to offer three distinct control modes: Bluetooth-based remote control, gesture control using a smartphone's accelerometer, and voice command control via a dedicated application. This versatile robot car integrates features like headlights, a horn, hazard lights, and alarms, enhancing its utility. It operates within a tested Bluetooth range of 10 meters and is an excellent tool for remote surveillance, hazardous environment navigation, and industrial inspection.
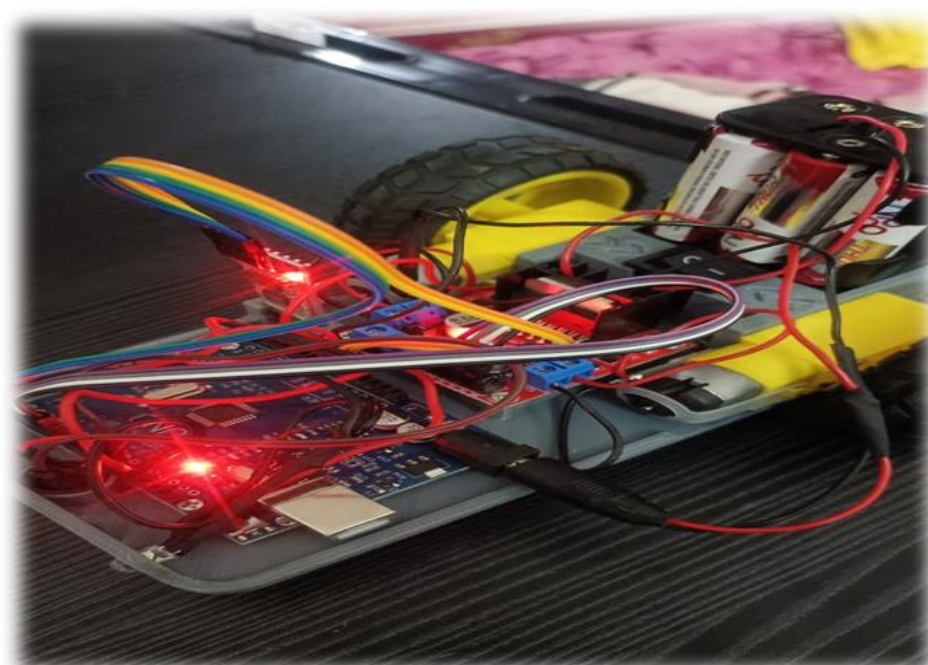
SDG
(Sustainable Development Goals)

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

TRL
(Technology Readiness Level)

5

REAL TIME APPLICATION:

- Used to check dangerous areas without humans.
- Helps in dangerous places like disaster zones.
- Helps carry light things, useful for disabled people.
- Checks hard-to-reach areas in factories safely.
- Used for testing and improving robot technology.

PROJECT TEAM

Student Details:

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