Basic Robotics Project

Assembling and Programming

- Line-following robot
- Obstacle-avoiding robot
- Light-following / light-avoiding robot
- Automatic street light system
- Smart parking indicator
- Smart Fan with Ultrasonic sensor
- Garden De
- vice with Moisture Sensor

🟡 **Intermediate Robotics Projects**

(Multiple sensors, logic, basic AI/IoT)

- Fire-fighting robot
- Smart home automation robot
- RFID-based attendance system
- IoT-based plant watering robot
- Wall-climbing robot
- Maze-solving robot
- Solar-powered robot
- Surveillance robot with camera
- Smart traffic signal system
- Garbage-collecting robot

🔵 Advanced Robotics Projects

(Autonomous behavior, AI, computer vision)

- Self-driving car prototype
- Face-recognition security robot
- Object-sorting robot using AI
- Swarm robotics (multiple robots working together)
- Autonomous delivery robot
- Robotic exoskeleton (model)
- AI-based smart wheelchair
- Robot using computer vision (OpenCV)
- Voice-assistant integrated robot
- Robotic arm with vision-based control