

VAILANKANNI VOICE - November 2023

Subject : Atal Tinkering Lab

Grade	Week	Project Name	Tools Required	Learning Outcome
6	I ,II,III,IV	Toll Gate System	Cardboard, Ardinouno board,Ultrasonic Sensor, Jumper wires, 9V HW Battery, Battery connector, USB cable, Laptop, Ardinouno Software.	Students would have learnt Ardino coding related to Toll Gate System Project project and circuit design and cardboard design and its implementation.
7	I ,II,III,IV	Line Following Robot	Cardboard, Ardinouno board,Ultrasonic Sensor, Jumper wires, Motor Pump, 9V HW Battery, Battery connector, USB cable, Laptop, Ardinouno Software, IR sensor.	Students would have learnt Ardino coding related to Line follower Robot project and circuit design and cardboard design and its implementation.
8	I,II,III,IV	Automatic Stop Gate System	Cardboard, Ardinouno board,Soil Moisture, Jumper wires, 9V HW Battery, Battery connector, USB cable, Laptop, Ardinouno Software, Servo Motor.	Students would have learnt Ardino coding related to Automatic Stop Gate System project and circuit design and cardboard design and its implementation.
9	I,II,III,IV	Automatic Irrigation System	Cardboard, Ardinouno board,Soil Moisture Sensor, Jumper wires, 6 V Motor Pump, 9V HW Battery, Battery connector, USB cable, Laptop, Ardinouno Software, 5 V Relay Module.	Students would have learnt Ardino coding related to Automatic Irrigation System project and circuit design and cardboard design and its implementation.