

SMIRY | AUTOMATIC PLANT WATERING SYSTEM

This Project will be used in gardens and field for watering the plant automatically. In this system we have used soil moisture sensor which sense the moisture level of the soil . If the soil gets dry the soil senses the low moisture level and automatically switch on the system in which water pump give water supply to the plants automatically .As the plants get the sufficient water and the soil gets wet so the sensors senses the enough moisture in soil and get off . we have tested it with 3 difference types of plants which requires water differently . by this project we had done a major great job on saving water as due to to high water then plants easily gets destructed so the project also saves the water as well as the health of the plants.



SMART DUSTBIN

This is an automatic smart dustbin . This project mainly has been made in the reference of hygiene . Nowadays we have seen the problem of covid so the people are hesitate to touch the bins . so this project works by the ultrasonic sensor which produces the UV rays which touch the object and senses back to the sensor . The working of this project is that if the object is placed in front of the sensor or the flap of the bin automatically opens . This bin has one more feature which, if the bins get full, it shows a red light with a beep sound which informs us to empty the bin.





HAWA HAWAI AIR PURIFIER

This project has been made to fight the air pollution problem. This is an automatic air purifier which is very compact in size and cost efficient from the market one . We have used a sensor which detects the DUST, CARBON MONOXIDE , CIGARETTE SMOKE if the level of the air goes high from the setted level so the system automatically starts the fan starts inhaling the air . we have used an Electrostatic filter for filtering the air . if the danger level or the air level come back to the safe point so the system automatically stops . This project/ Air purifier is completely automatic. There is no requirement for a man to operate from hands or a mobile phone .

LINE FOLLOWER ROBOT

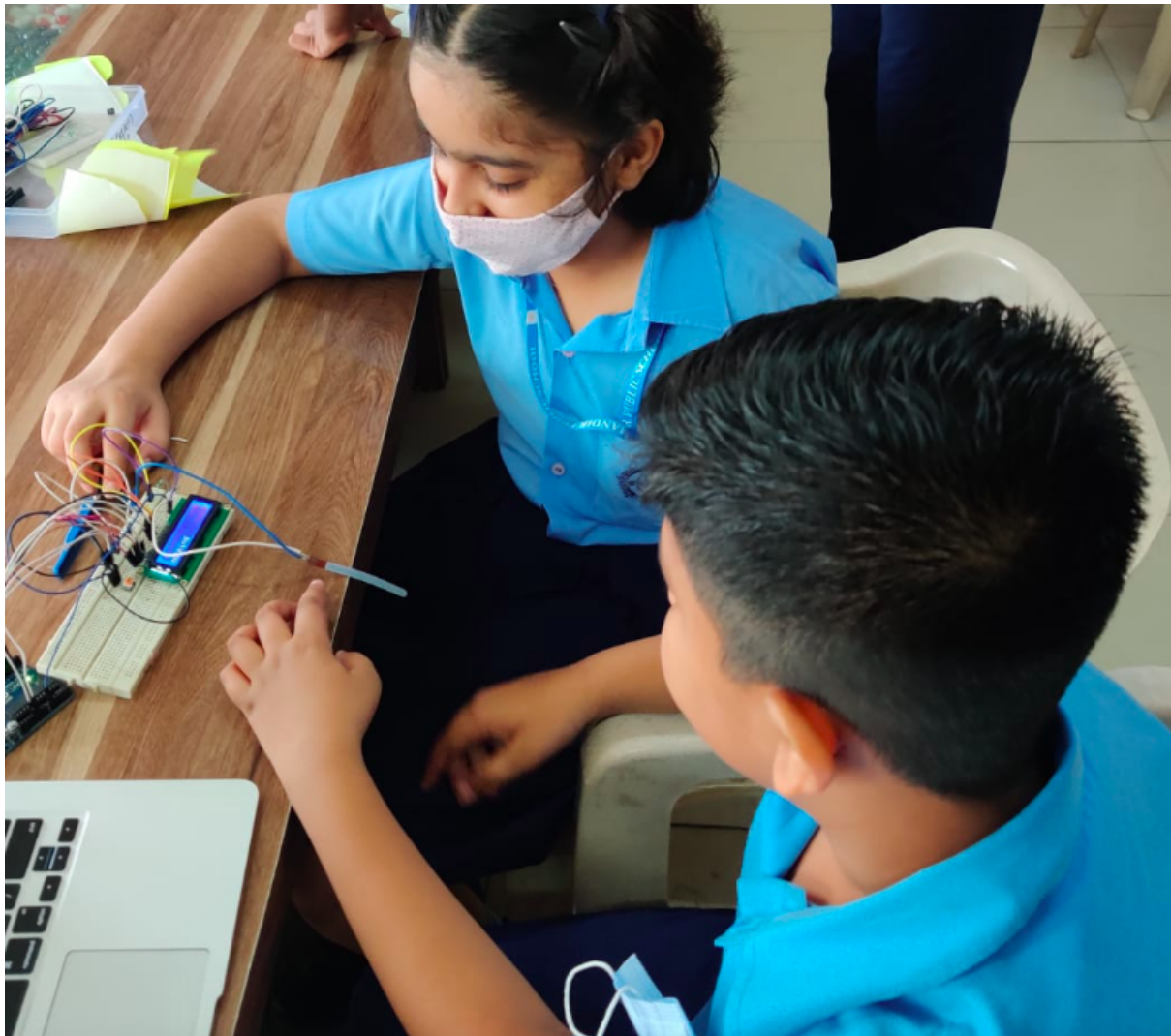
This project is an automatic line following robot . This contains an IR sensor which mainly senses the black line so the working of this project is that we have given a black path to the given robot so it automatically follows that black path and reaches its destination automatically . The best part of this project is that we don't require a man to operate this robot . This saves the wage of an operator . if the robot get distracted from its path so it tries to find its path automatically and starts moving on its own path .

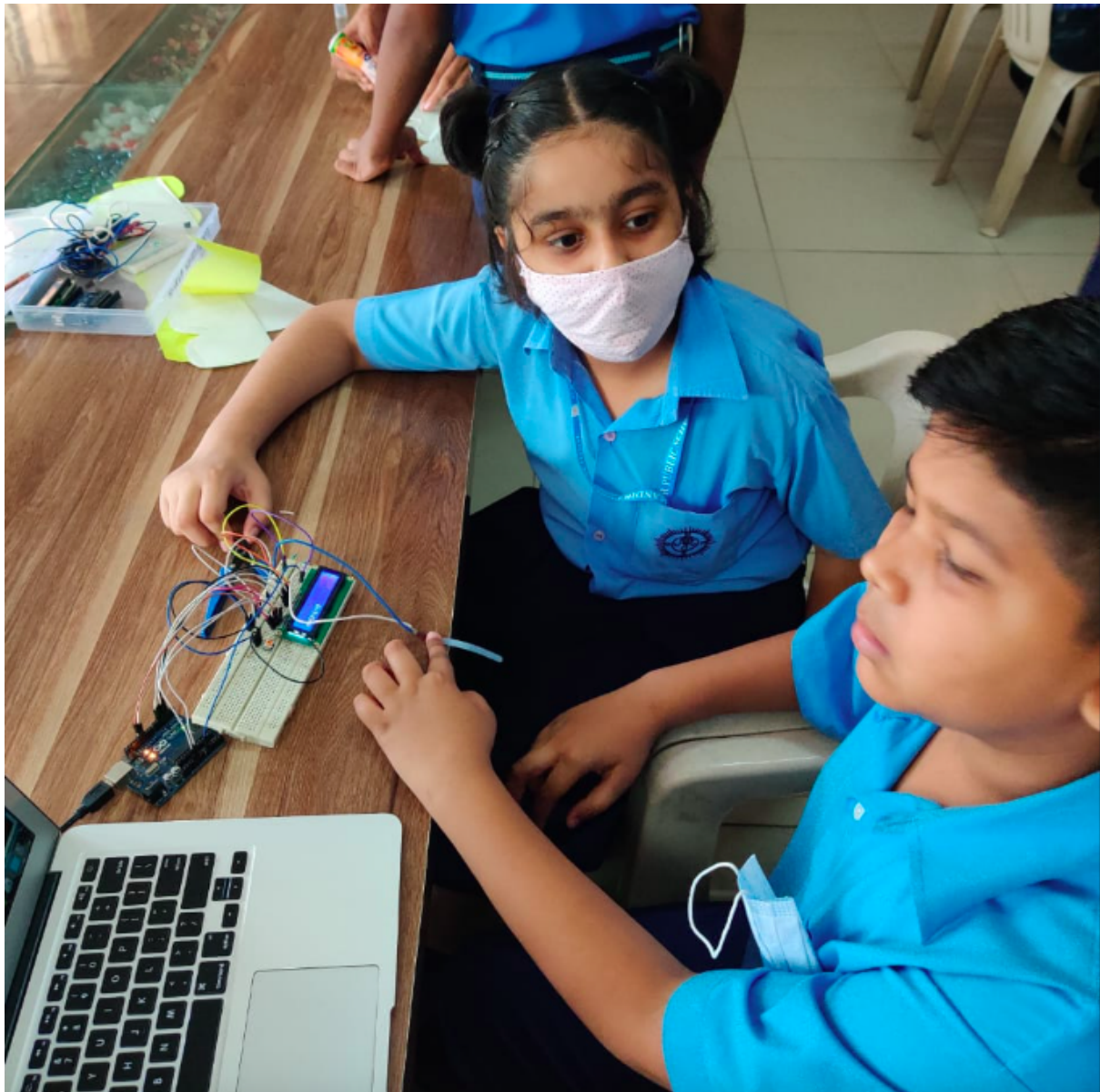


SMART SIGN LANGUAGE GLOVE

The sign language glove project is made to help the dumb people who can't speak. so, with this awesome project, they can talk easily. why we are making this project the reason is that the people who are impaired to talk and not capable to transfer their thought to the others. it will help to transfer the thought of that person to another person who is at the front of his/her. For example, if any person who can not speak and he want to drink the water he will not able to say this to another person but with this glove, he has to bend his finger only and the other person can easily read the sentence into the LCD attached in the project.







Automatic Street Light

Automatic street light glow automatically by detecting the night of day. In day time it will be automatically turn off and in night time it will be automatically turn on. There we are using a special

