Project title :Design and fabrication of robotic Lawn mover

Components

Solar Panel (as shown in the vedio)

Microcontroller –AVR

Lcd-16\*2

Motor driver –L293D

Gear motor s

Ultrasonic sensor

Nylon blade

Robot

Project Flow

In this project battery will be charged using solar panel .when we send an command to move the robot using RF module then robot will move and cutter will on (I,e nylon blade will cut the gross by rotating motor ) and robot will be moving and if any obstacle is detected the robot change the direction and then it move again . and process is repeated until the slide switch will be off .

Note –Project is same as last year and no additional charging circuit required because lower budget .