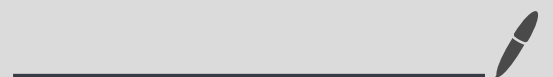


Electronics Lab

Project Proposal

Team Members

IMT2019502 - Ankana Yogananda Reddy
IMT2019503 - Bangari Amulya
IMT2019510 - Likhiteswar Reddy Modulla
IMT2019511 - Manaswitha Reddy Kauluri
IMT2019521 - Samhitha Perala



Proposed Idea

- Project Aim

The aim of the project is to design a home automation system that will remotely control household appliances using Bluetooth.

- Project Objective

We as a team have come up to build a miniature smart home. We will implement the following in it.

- Lights and fans which can be switched on and off with Bluetooth.
- Garage which opens and closes with
- Buzzer rings when the water overflows.
- Security system which signals when there is motion outside the house at odd timings.
- Bluetooth controlled doors and windows.

Components Used

- Arduino Nano
- Breadboards
- Connecting Wires
- LED bulbs
- Servo
- Bluetooth Module
- Ultrasonic Sensor
- PIR Motion Detector
- ATTINY 85 Development board
- DC motor
- Buzzer
- Li-Po battery
- Relay
- Propellers
- Cardboard
- IC Gates

Budget Information

▸ HC -05 6Pin Bluetooth Module with Bluetooth	Rs. 459
▸ Li-Po Battery	Rs. 699
▸ Ultra Sonic Sensor	Rs. 75
▸ ATTINY 85 Development Board	Rs. 139
▸ Power Supply Module	Rs. 349
▸ Servo	Rs. 195
▸ Fans	Rs. 199
▸ Buzzer	Rs. 49
▸ Craft Material	Rs. 300
▸ PIR Motion Sensor	Rs. 69

▶ Total Rs. 2533

* Excess budget will be adjusted from Chaitanya Team if they have excess

Demonstration of Project

Demonstration will be done on zoom. We the team members will be explaining the circuit and how it works and its advantages.

- Components used in circuit
 - Assembling Parts
 - Circuit Diagram
 - Implementation
 - Advantages
- By Manaswitha