LIVE WITH ROBOTICS FINAL PROJECT

PREPARED BY TEAM B1

PITCH

HOME AUTOMATION : PANDEMIC EDITION

PROBLEM STATEMENT

- Home Automation using Hand Gestures

RELATE

- We have all been working from home during these covid times. But to bring out the best out of us we need good working conditions. But isn't it a trouble to get up and leave your work just to turn on a light? Don't worry we've got the solution! Be it controlling your lights, fans Or maybe turning On some music to cheer you up and lighten your mood.

WHAT

- Automatically ON lights when someone enters the room.
- Provide security so the system is only accessible by recognized people
- Operate appliances & turn On Music sitting in front of Your laptop using hand gestures!

HOW

- IR Sensors are used to detect a person entering & leaving the room.
- Using Face Recognition so the appliances can be controlled by only specific people
- Use "Arduino Uno" to control the appliances.

NOW TIME FOR THE DEMO

CONCLUSION AND FUTURE PROSPECTS

- This is a basic version of home automation system.
- This can be further be extended to control other appliances too and make your home smarter.
- You could also control this system with voice commands to make it more fun and convenient.
- In the future, home automation is going to be bigger and better.
- Home automation works on the principle of sustainability, which encourages the wise use of resources.

THANK YOU