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e-YANTRA Ideas Competition (IIT-BOMBAY) Project Report

Project Title
"IoT based Home Automation and Security"

About the Project:

HOME AUTOMATION is anything that enables you to use your home's lighting, heating and appliances more conveniently and efficiently.

It can be as simple as remote or automatic control of a complete system, that controls all major parts of your home.

If the home is monitored through our security system an alert will be sent to the authorized person/family members.

Fingerprint based door lock system, which helps you to keep your friends close and your enemies locked out.

Features:

- Remote control your lights and ability to automate when they go on and off.
- This system consist of two modes - manual and auto.
- Receive alerts and images if someone approaches your home - all on your
- phone & more features are there.

Work Progress:

We were working on this project from last 4 months. We are in contact with e-YANTRA team of IIT Bombay for E-YIC (E-Yantra Ideas Competition) and make sure to improve the prototype according to their suggestions and reviews. We are uploading codes, presentation and videos for the competition constantly.

We were shortlisted from around 300 entries of projects across the country. After that we were selected for the regional finals of Gujarat region from our college, which was held on 19th February, 2018 at IIT-RAM, Ahmedabad. And at their team E-YIC selects the 5 teams from all over the Gujarat region and we were the one of them. During the national final from 22nd to 24th, March 2018 we are going to represent the project and college at IIT- Mumbai.