

DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

PROJECT SYNOPSIS

Project Title – IOT BASED HOME AUTOMATION SYSTEM




Project Scope – The advent of IoT brought major changes in the industry standards, today we can get our tasks done easily without physical interaction just with the help of our devices connected to internet ranging from ordering, clothes etc. online.

Our project objective is to design an IoT based home automation system, which can ease our daily tasks and enhance the productivity. In this project we are making use of some tools such as Proteus Simulator, IFTTT Platform etc. The main purpose is to remotely controlling all our home appliances and electronic items such as Lights, Air Conditioner, Fans etc. and also adding various security features such as Fir Alarm using smoke sensor, Intrusion Detection.

Requirements – Following are the pre-requisites and requirements for our projet:-

- Internet of Things
- Basics of Android Development
- Introduction to IFTTT Platform
- Insights about Arduino UNO
- Automating the tasks using IoT
- Working on Proteus Simulator
- Hosting the sensor data from TinkerCAD to ThinkSpeak IoT Platform.

STUDENTS DETAILS –

Name	UID	Signature
PRABAL MANHAS (Group Leader)	20BCS4513	 Prabal
NIMISH SURI	20BCS4550	 Nimish
JANVI	20BCS4537	 Janvi

APPROVAL AND AUTHORITY TO PROCEED –

We approve the project as described above, and authorize the team to proceed.

Name	Title	Signature (with date)
Ms. Rashi Sahay (E13376)	Supervisor	