



PROJECT PROPOSAL



SUBMITTED TO TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

DOTE Campus, Chennai-600025.

Submitted by

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Guided by

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**KINGS COLLEGE OF ENGINEERING,
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PROJECT PROPOSAL

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3. Project title : IOT based smart security and
Safety system and for women and
Children.

4. Sector in which your project
proposal is to be considered: Engineering & Technology

5. Project details : Introduction

Objective

Methodology

Budget,workplan

INTRODUCTION:

In today's world women safety has become a major issue as they can't step out of their house at any given time due to physical/sexual abuse and a fear of violence. Even in the 21st century where the technology is rapidly growing and new gadgets were developed but still women's and girls are facing problems.

Women are adept at mobilizing diverse groups for a common reason. They often work across ethnic, religious, political, and cultural divides to promote liberty. We are all aware of importance of women safety, but we must analyse that they should be properly protected. Women are not as physically fit as men in an emergency situation a helping hand would be assistance for them. The best way to curtail your probability of becoming a dupe of violent crime (robbery, sexual assault, rape, domestic violence) is to recognize, defence and look up resources to help you out of hazardous situation.

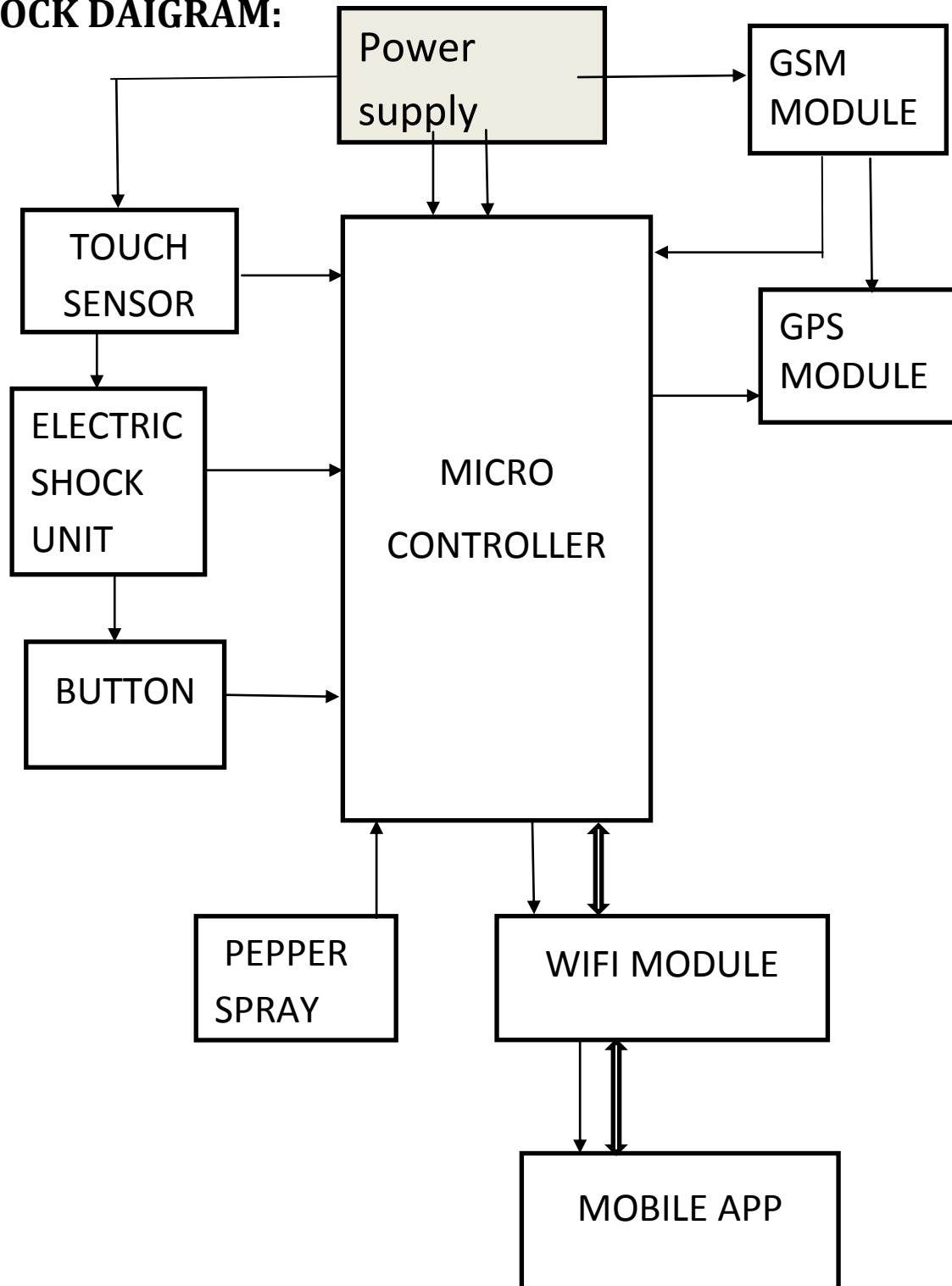
ABSTRACT:

In the light of recent outrage in Delhi which shock the nation and woke us to the safety issues for women people are finding up in different ways to defend .Here we introduce a device which ensures the protection of women .This helps to identify protect and call on resources to help the one cut of dangerous situations.The device consists of microcontroller, GSM module ,GPS modules.The system resembles a normal watch which when activated tracks the place of the women using GPS(global positioning system) and send emergency messages using GSM (global system for mobile communication) to contacts the police control room .The main advantage of this system is that user does not require a smartphone unlike other applications that have been developed earlier. The use of sophisticated components ensures accuracy and makes its reliable. The GSM and GPS are presented in IoT modem itself.

OBJECTIVE:

The main objective of the project is to provide highly reliable security system for the safety of women .The proposed system is based on advanced microcontroller and GSM. To find out their the perspective on this issue.

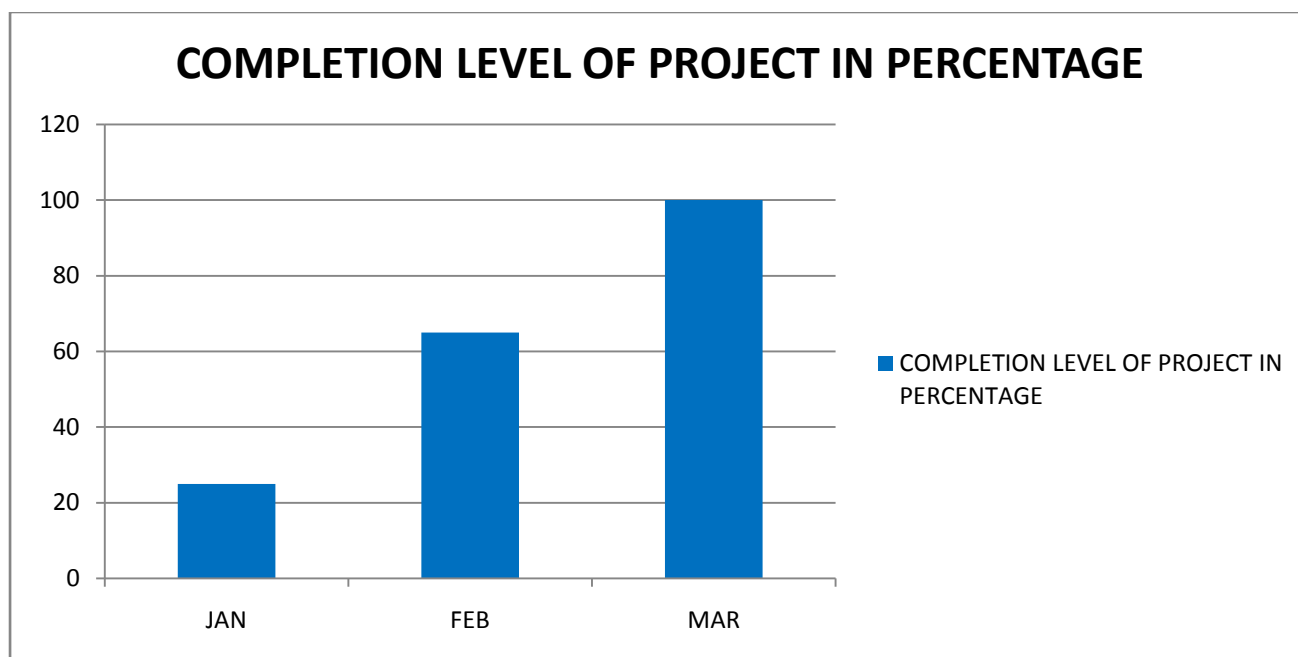
BLOCK DAIGRAM:



BUDGET:


SL. NO	NAME OF THE COMPONENT	RANGE	RATE(RS) PER COMPONENT	QUANTITY
1.	Battery power supply	12v,5v	-	1
2.	Touchsensor	12.7mm	Rs.200	1
3.	Electric shock unit		Rs.260	-
4.	button	-	Rs.100	1
5.	GSM module	933-960MHZ	Rs.1000	1
6.	GPS module	-	Rs.750	1
7.	WIFI module	ESP 8266	Rs.500	1
8.	Micro controller	Atmega328p	Rs.500	1
9.	Pepper spray	-	Rs.400	-
10.	Mechanical setup	-	Rs.3500	-
	Total		Rs.7210	

WORK PLAN:

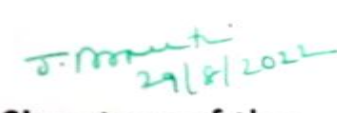


CERTIFICATE

This is to certify miss.**K.Priyanka,G.Vaishnavi,B.Prethiya, S.Kirubadharshini** are a bonafide final year students of U.G Engineering(ECE) of our college and its is also certified that two copies of utilization certificate and final report along with seminar paper will be sent to the council after completion of the project by the end of april 2022.


Signature of the
Guide


Signature of the HOD


Signature of the
PRINCIPAL
Kings College of Engineering.
PUNALKOLAM - 613 303.

