

FEMININE DEFENCE KEY ADOPTING: IOT**¹Roopam Mandloi**¹M-Tech. (Computer Science & Engineering) Std. LNCT, Indore, INDIA**²Er. Kamendra Verma**²Associate Professor, LNCT, Indore, INDIA

Abstract- The world is becoming so much more unsafe for feminine. According to the reports of WHO, NCRB-Social-government organization 35% female all over the world are facing a lot of unethical physical harassment in public places such as: foot path, railways, bus-stands etc. Most common incidents being rape, kidnapping, sexual harassment and eve teasing. Security for feminine is still a big issue and a big question mark (?). To overcome this problem, this paper explores the IOT concepts like- measuring the body temperature, heart beat rate, pulse rate by sensors to monitor their mental and physical both condition and alerts nearby location police station or friends and relatives. This paper proposed a new model for the feminine security in public place which aims to provide the 100% safe environment.

1. INTRODUCTION

In today's world, feminine defense has become a major issue. They work at different places like BOP'S call centers, IT firms and so many places like it. But even today's feminine is facing many social challenges in India and are often victims to violent crimes. Even feminine cannot move at night many places and even at day time crowded places hundreds and thousands of incidents of physical and sexual abuse happens to women every day.

The model described here is a self-defense system specially designed for feminine to help them to protect themselves. It also contains a shock mechanism to produce non-ethical electric shock in emergency situation to deter the attacker. The greatest motivation for this system was the Delhi NIRBHAYA case that triggered the whole nation. Another shocking incident of Dr. PRIYANKA REDDY'S rape case and murder case took place on November 27th, 2019 (Wednesday) in Hyderabad and after that unnao-district in Uttar Pradesh rape case. All it looks like India is not at all safest place for girls and feminine.

2. CRIME AGAINST FEMININE

- **DOMESTIC VIOLENCE:** Kick, biting, shove, preventive, circumstances, push back, throwing objects. Etc.
- **CRIMINAL VIOLENCE:** Intimidation, sexual abuse, control and domineering, rape, seizure, kidnapping and slay, acid attack etc.
- **SOCIAL VIOLENCE:** EVE teasing, might wife or daughter law to go for feticide Etc.

3. IOT (INTERNET OF THINGS)

The internet of things (IOT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDS) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

4. ADVANTAGES AND APPLICATION**4.1 Advantages**

- This approach is used for feminine safety.
- It is simple and practical.
- This is small in size and consumes less power.
- Cost is comparatively low.
- Wireless connectivity.
- Easy and fast.
- Environment friendly system.

4.2 Application

- Security surveillance monitoring.

- Alert system useful in insure environment.

5. TYPES OF SENSORS

- **TEMPERATURE SENSOR:** It sensors body temperature of human. The threshold value is set to be 38° c. If it is more than the threshold value it notified and sends the temperature value to the safety system as an input.
- **MOTION SENSOR:** Ultra sonic sensor is used to detect the motion of any object within 2 meter radius. Here the threshold value has considered as 2 meter and if anything moves below then it sends signal to smartphone.
- **PULSE RATE SENSOR:** Usually the pulse beat of a normal human being is form 80 to 90 beats per minute. It also traps the GPRS location.
- **GPS:** This sensor gives the latitude value and longitude value to determine the location of feminine.
- **UBIDOTS:** The mobile app developer can use these platform to capture the data form the sensor.

By these measure we could take immediate action sample screen of UBIDOTS platform.

6. CONCLUSION

This research paper a low cost model which is useful for feminine. Women or girls can be monitored by capturing data by sensor and IOT device. Feminine security is a critical and social issue in today's world. The crime (Molestation, robbery, sexual assault, rape, domestic violence) against the women can be now bough to an end with the help of real system implementation of propose model.