**Government Polytechnic Warangal**

**Department of Computer Engineering**

SRUJANA TECHFEST 2023:

TITLE: SMART POLE -BE SMART AND SAFE

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ABSTRACT:

Keeping safe relied on basic methods like relying on police and using personal devices for help is very challenging in now-a-days. There were some challenges like slow responses, especially at night due to poor lighting, and no immediate way to alert others about potential dangers.

This project introduces a novel approach to enhancing women's safety through the implementation of a Smart Pole system. The Smart Pole integrates advanced technologies to provide a swift and effective response in potentially threatening situations. The key features of this system include a panic button, a loud siren, emergency lighting, and an automated alert system to notify the nearest police station with precise location information.

The primary component of the Smart Pole is the panic button, strategically placed for easy access during emergencies. When activated, the system initiates a multi-faceted response to deter and address potential threats. A high-decibel siren is immediately triggered, drawing attention to the situation and potentially deterring the assailant. Simultaneously, an emergency light is activated, illuminating the surroundings and aiding in the identification of the threat.

This project aims to contribute to the larger goal of fostering a safer urban environment, particularly for women.

Components used:

* Arudino uno
* Data transferring cabel
* GSM 900a
* 2amp.12V Adapter
* GPS Module
* Button
* Buzzer
* Led

Objectives :

* Enhance Personal Safety
* Immediate Response mechanism
* Automated Alert System
* Smart Sensor Integration
* User Friendly Integration

" A buzz for help, a siren for attention, a camera for justice. The Smart Pole: A silent guardian on every street."