

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI-590 018**



**PROJECT REPORT ON
“IOT BASED WOMEN SAFETY”**

Submitted in partial fulfillment for the award of Degree of

**BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING**

By

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2019 – 2020

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CERTIFICATE

This is to certify that the Project entitled **"IOT BASED WOMEN SAFETY"** has been successfully completed by

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the bonafide students of **Department of Computer Science & Engineering**, Alva's Institute of Engineering and Technology in partial fulfillment for the award of **BACHELOR OF ENGINEERING** in **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2019–2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

Today in the current global scenario, women are facing many problems like women harassment. We propose to have a device which is the integration of multiple devices, hardware comprises of a wearable “Hand Bag” that endlessly communicates with sensible phone that has access to the web. This paper covers descriptive details about the design and implementation of "IOT Based Women Safety". The device consists of a pulse Sensor, microcontroller (Arduino Nano ATmega328p), Bluetooth Module (hc-05), Push Button , Temperature Probe Sensor and a pepper spray. In this project, when a woman senses danger she has to hold ON the trigger of the device. Once the device is activated, the pepper spray will be sprayed so that she gets some time to escape from the attacker and the location as well as her live preview with her sensor readings will be updated in the guardian app and in the web browser which can be monitored by the police station. It is used to track the location continuously and update into the web page. The main advantage of this project is that this device can be carried everywhere since it is small.