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| **DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**  **DAYANANDA SAGAR COLLEGE OF ENGINEERING**  *AN AUTONOMOUS INSTITUTE AFFILIATED TO VTU*  *APPROVED BY AICTE & UGC, ACCREDITED BY NAAC WITH 'A' GRADE, ACCREDITED BY NBA.*  **A Project Synopsis**  **on**  **“Women safety using IoT”**  **Submitted as a part of final year project of**  **BACHELOR OF ENGINEERING**  **in**  **INFORMATION SCIENCE AND ENGINEERING**  ***Submitted by***   |  |  | | --- | --- | | **1DS16IS100** | **Shivam Kumar Mishra** |   ***Under the guidance of***  **Dr. Suma V**  Professor  Department of Information Science and Engineering  **2019-20** |

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| **TITLE OF THE PROJECT** | **Women safety using Internet Of Things** |
| **COORDINATOR DETAILS** | **Dr. Suma V**  **Dr. Sharon Christa IL** |
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| **STUDENT NAMES** | |  |  |  |  | | --- | --- | --- | --- | | **USN** | **NAME** | **PHONE** | **EMAIL** | | **1DS16IS100** | **Shivam Kumar** | **8789192996** | **shivamchoice@gmail.com** | |
| **PROJECT TIMELINE (Tentative Start and End Date)** | **August 2019-May 2020** |
| **PROJECT GUIDE DETAILS** | **Dr Suma V**  **Professor** |
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| **FIELD OF PROJECT** | **Internet Of Things** |
| **BACKGROUND OF PROJECT WITH REGARD TO THE DRAWBACK ASSOCIATED WITH EXISTING PRODUCT/PROJECT** | **Now a days attacks on women are increasing day by day and in the case of emergency a woman usually dialup to police or other family member. Our proposal will be much helpful in such cases in not only informing about attack but also in giving exact location of the woman to the nearby police station and family members for necessary action, once the emergency button of our IoT based equipment is pressed by the woman.** |
| **OBJECTIVE OF THE PROJECT** | **To provide security for women using IoT** |
| **PROBLEM STATEMENT** | **Women Safety System using Internet Of Things** |
| **SUMMARY OF THE PROJECT** | **In case of emergency situation woman will press an emergency button which will activate the GPS for tracking and a SMS is sent to the police and family members of woman along with time and location.** |
| **MODE OF CARRYING OUT THE PROJECT (Give details such as within the department/external organization/R&D center details)** | **Within the Department** |
| **INTENDED BENEFICIARIES OF THE PROJECT** | **SOCIAL** |
| **BASE PAPERS/RELATED WORK** | 1. **Smart Security Solution for Women based on Internet Of Things** 2. **Women Safety System using IoT** 3. **Efficient tracking for women safety and security using IoT** |
| **ABSTRACT** | **Attacks on woman are increasing at a very higher rate and in case of emergency a woman dial up to police or family member and the whole process of informing them needs a lot of time which in the case of emergency is very limited. Our proposal will be much helpful in such cases in not only informing about attack but also in giving exact location of the woman to the nearby police station and family members for necessary action very quickly, once the emergency button of our IoT based equipment is pressed by the woman. The emergency button activates the GPS for tracking and a SMS is sent to the police and family members of woman along with time and location.** |
| **KEYWORDS** | **Women Safety, IoT, GPS** |

Signature of Guide Signature of Mentor

Project Coordinators HOD-ISE

Ms. Prathima Mabel (Dr. Ramamohan Babu K.N)

Dr. Sharon Christa IL