**DAYANANDA SAGAR COLLEGE OF ENGINEERING**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

***(An Autonomous Institution Affiliated to VTU, Belgaum)***

**ShavigeMalleshwara Hills, Kumarswamy Layout, Bangalore -560078**

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**Mini Project REPORT**

**(MICROPROCESSORS & MICROCONTROLLERS)**

**“IOT BASED WHEELCHAIR FALL DETECTION USING NODEMCU”**

Submitted in partial fulfillment of the requirements for the award of AAT Marks in the subject:

**“Microprocessors and Microcontrollers** of **4thSemester, Degree** of Bachelor of Engineering

**Submitted By**

|  |  |  |
| --- | --- | --- |
| **SL#** | **USN** | **NAME** |
|  | 1DS17CS707 | ANUPAM KUMAR |
|  | 1DS17CS716 | DEEPAK PARMAR |
|  | 1DS17CS724 | MEET SAKARIYA |

**Under the guidance of**

Dr. Nagaraja J.

Assistant Professor, Dept. of CSE, DSCE

**Signature of the students Signature of Faculty in-charge with date**

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**ABSTRACT**

All too often senior citizens experience falls. According to the CDC, falls are one of the leading causes of injury for seniors. The product presented in this mini project contributes to this objective, since it provides user localization, automatic fall detection and activity monitoring both for indoors and outdoors activities, associated to a complete call center for medical monitoring of the patient as well as to provide support and manage emergency situations. This project hopes to solve that with the power of a NODEMCU ESP8266, MPU6050 sensor and IFTTT.