DAYANANDA SAGAR COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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ShavigeMalleshwara Hills, Kumarswamy Layout, Bangalore -560078

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

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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.