

FALL DETECTION USING IFTTT
MINI PROJECT ABSTRACT
SUBJECT CODE :20EC6L1

- According to the Report of the Technical Group on Population Projections for India there are nearly **38 million** elderly persons in India in 2021 (67 million males and 71 million females) and is further expected to increase by around 56 million elderly persons in 2031.
- This prototype basically detects the pulse of the wearer using the pulse sensor we have attached to the NodeMCU and detects the fall of a person by the use of the MPU6050 an accelerometer, which is a key component of this prototype.
- Instead of using a GPS module for the communication between two devices we have introduced a concept where we use the software IFTTT for efficient communication. This IFTTT is abbreviated as “**IF THIS THEN THAT**” this concept is very easy for simple automation works, and found to be easily accessible and simple to work with.
- The final goal is to alert the caregiver when the wearer falls and to generate a dataset of the wearer’s heartbeat in ThingSpeak cloud. For this we use the IFTTT.

Project Coordinator
Ms. S. INDUMATHI.M. E
Assistant Professor

Submitted by
LAKSHMI SRI.M. S (910620103036)
LATIKAA TEJUS.J (910620103037)