

## Project Development Phase

### Delivery of Sprint – II

Date	3 November 2022
Team ID	PNT2022TMID49797
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

### ESP32 MODULE

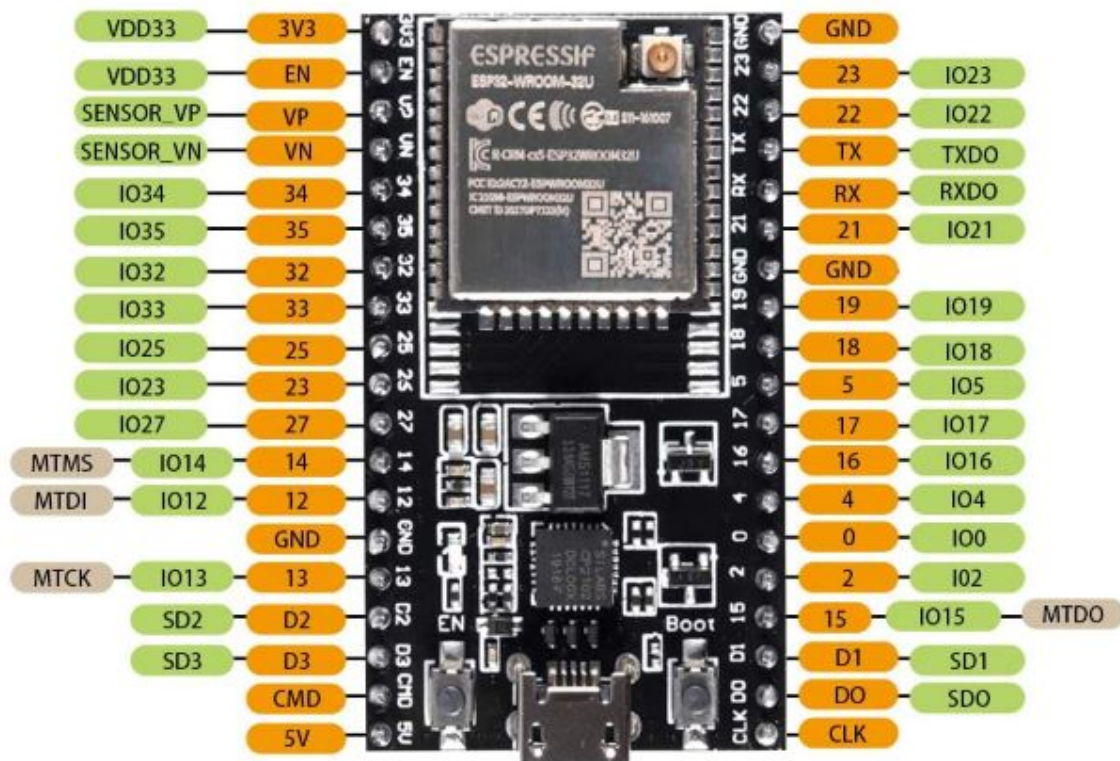


Figure : ESP32

**ESP32** is a microcontroller ,with wifi inbuilt in it. It can perform as a complete standalone system or as a slave device to a host MCU, reducing communication stack overhead on the main application processor. **ESP32** can interface with other systems to provide Wi-Fi functionality through its SPI / SDIO or I2C / UART interfaces. **ESP32** implements TCP/IP, full 802.11 b/g/n/e/i WLAN MAC protocol, and Wi-Fi Direct specification. Languages such as C and C++ can be used to program esp32 microcontroller.