SUMMARY

FIRST HALF:

- Gone through the Following Terms:[15 min.]
  - Firmware : It is a software that provides basic machine instructions that allow hardware to function and communicate with other software running on a device.
  - SDK : It is a kit that includes everything that is needed for developing any software.For developing a platform specific applications some sdk's are required.
  - STM32cube IDE: It is an advanced C/C++ development platform with peripheral configuration,code generation,code compilation,debug features for SMT32 microcontrollers and microprocessor.
- Started Datasheet Reading of **"MAX32655 Low-Power, Arm Cortex-M4 Processor with FPU-Based Microcontroller and Bluetooth 5.2"** which include following topics majorly:

  - General Description about device
    - The MAX32655 microcontroller (MCU) is an advanced system-on-chip (SoC) featuring an Arm® Cortex®-M4F CPU for efficient computation of complex functions and algorithms that is qualified to operate at a temperature range of -40°C to +105°C.

  - Benefits and Features

  - Applications

  - Gone through Simplified Block Diagram

  - Pin Descriptions

  - Memory

- Bluetooth 5.2

- Comparators

- General-Purpose I/O (GPIO) and Special Function Pins

- Programmable Timers

- Serial Peripherals

- Security

SECOND HALF :

- Attended Webinar on Security of Embedded Systems

- Pursued the Python hands-on task (Done que 6)