

# IoTEDU Assignment 1 (50 Marks)



**Deadline for Submission: 11<sup>th</sup> March 2021** (Answers will not be accepted after 11<sup>th</sup> March)

**Send the answers in a PDF format with your Full Name**

**Passing Score: 27.5 out of 50**

1. Briefly explain 3 analog sensors and 3 digital sensors and their functionalities. Provide their images. (6 marks)
2. Give an application-based scenario of a Smart Home Automation. Provide a block diagram which consists of the information such as sensors, connectivity and application. (10 marks)
3. Distinguish between Raspberry Pi, NodeMCU and Arduino Uno. Give 5 distinct points. (15 marks)
4. Explain briefly about Bluetooth, Zigbee and WiFi. Discuss about their range. (9 marks)
5. How IoT is applicable in the Supply Chain Management and Blockchain. Discuss. (10 marks)

**Bonus Points:**

6. What are the 4 layers of IoT Architecture? Briefly explain each layers. ( This was not a part of the lecture) ( 7 marks)