



**University Institute of Engineering
Department of Computer Science & Engineering
IoT (CST-357/ITT-357)**

Assignment-2

SET 1 (For Batch A Students)

1. Relate Communication Models in IoT.
2. Gateways are more powerful computing devices than sensors. Justify the statement.
3. Read the following paper and List the mentioned Security Challenges:
<https://downloads.hindawi.com/journals/wcmc/2022/6360553.pdf>
4. With proper example explain Back-End Data Sharing Model.

SET 2 (For Batch B Students)

1. As an IoT Engineer your client is facing problem while connecting device to the cloud. List your checking parameters to avoid breakdown.
2. Compare Zigbee, Wifi and LoRaWAN Protocol with examples.
3. Read the following paper and List the mentioned Security Challenges: DOI: 10.1007/978-3-319-99007-1_38
4. Enlist sectors in detail where Back-End Data sharing model is being used.

Instructions

1. Each Question carries 2.5 Marks
2. High Plagiarism can result into cancellation of Assignment.
3. Try to explore your answer with your creative thinking.
4. All Assignments should be written on A4 sheets left hand side scaled manually and **strictly written one side only.**
5. All Assignment must have front page entitled your name, UID number, Batch/Group number submitted in proper folder.
6. Use of Chat GPT/Bing AI/Chat sonic/Chinchilla/ Dialo GPT or any such AI based technology can result into cancellation of Assignment.