

ASSIGNMENT 1 (10%)

Write your **INDIVIDUAL** report on **ONE** of these technologies (choose based on your number in your class list)

- | | | |
|--------------|----------------------|---------------|
| 1. Mosquitto | 12. 4G | 24. ZAPIER |
| 2. MQTT | 13. 5G | 25. CARP |
| 3. CoAP | 14. WoT | 26. DDS |
| 4. AMQP | 15. Z-Wave | 27. VSL |
| 5. XMPP | 16. Zigbee | 28. Kafka |
| 6. 6LoWPAN | 17. DTLS | 29. MongoDB |
| 7. LPWAN | 18. TLS | 30. Cassandra |
| 8. LoRaWAN | 19. SPI | 31. Hadoop |
| 9. NB-IoT | 20. I ² C | 32. Cosmos DB |
| 10. 802.11ah | 21. DASH7 | 33. Dynamo DB |
| 11. 802.15.4 | 22. BLE | 34. SQLite |
| | 23. IFTTT | 35. Spark |

Explain, elaborate, and write a report on one item following your name in class list.

Your report must have:

(A) The report should include (min 5 to max 10 pages excluding appendices):

- - TITLE PAGE
- - TABLE OF CONTENTS
- - TEXT/REPORT CONTENT /
 - EXPLANATION ON THE PROTOCOL (e.g.: INTRO, HISTORY, RELATED LAYERS, FRAME STRUCTURE, HOW IT WORKS etc.)
- - REFERENCES
- - APPENDICES

Format:

- - Times New Roman 12 font
- - 1.5 spacing
- - A4 size paper

(B) **DEADLINE:** Please submit through e-learning FORUM by **6th April 2025 (17:00) – W4**

Estimated time to complete this task: 2 hours/individual.

(C) **REPORT PRESENTATION:**

Submission in a form of image in FORUM and attachment in Ms Word (5...10pgs content).

Mark Distribution:

Format	Title Page	ToC	Content	References
0.5	0.5	1	7	1