

Student can choose one from the following Topic. However, after deciding on the topic to work on, consult with your tutor.

The topic student group can choose from are:

- **Number system used in Computing**
- **Logic in computing**
- **Inverse Function in Computing**
- **Induction Proof and its computing application**
- **16-bit representation**
- **Cryptography**

The written report must have the following sections:

1. Introduction
2. Proper reference of at least three articles or books
3. Write detail review of those articles or books related to the topic student chooses
4. Identify one application in Information Technology in which student is interested.
Write a complete account of that interest
5. Description of why students choose this application
6. Give a complete plane to implement the application into a computer program with use of flow-chart
7. Write an appropriate algorithm
8. Use at least two inputs to test the algorithm. Group need to give a trace table for each input.
9. Conclusion
10. Short statement about contributions/Reflections from each group member
11. References

Deadline to submit written report: On or before Sunday 18th May 2024, 11.59pm via Moodle.

The report must be:

1. Word or pdf document (3 to 4 pages long)
2. Size: A4
3. Use Assignment Cover Page (download from Moodle) with your details and signature
4. Single space
5. Font: Calibri, 11pt