Course: IT603 – Programming

Main Topics To Be Covered In The Course

1. Introduction to Modern C++ programming
2. Fundamentals Types of Data
3. Making Decisions
4. Arrays and Loops
5. Pointers and References
6. Strings
7. Function Templates
8. Structure & Unions
9. STL Containers & Iterators (optional, based on performance and interest of students)
10. STL Algorithms (optional, based on performance and interest of students)

Mechanism / Modalities:

Lectures:

   **Plan A:** Conduct online live lectures. All students are required to be on mute. Allow questions raising during lecture by un-muting temporarily. Attending lecture on phone not allowed. Attendance is not a criterion. Record the lecture and share it through Google Classroom (GC).

   **Plan B:** Move to this plan if due to connectivity issues, live lecture is not working for most students, or if students find this method more effective. Modality: Record lecture offline and upload. Share the lecture video with students on GC at least a day before the lecture day. During lecture hour, discuss doubts, examples and queries of the students.

Labs:

Decide two hours session in a week to be conducted as lab. Assignments will be provided and TAs will be monitoring and helping the students with the lab. Faculty will be available when required.

Evaluation Scheme:

**Mid-sem exam – 30%, Lab Assignments – 30%, Final Exam – 40%**