Title: Design and Analysis of Algorithms (ICT and CS) SEM III core
Course code: IT216
Structure: 3-0-2-4
Course contents: Algorithm analysis, basic data structures, search trees and skip lists, sorting and selection methods, various design paradigms, viz., greedy, divide and conquer, dynamic programming, graph algorithms, number-theoretic algorithms.
Evaluation process: Each student has to undertake In-sem and final tests. At the end of the course he will be given a grade based on his performance in these tests. Also there are 8-10 Lab Assignments which would be largely theoretical.
Objectives: Through this course students can develop ability to

- understand and create mathematical arguments for solving problems.
- understand mathematical structures such as graphs, trees and learn their uses.
- develop skills towards mathematical modeling and analysis of engineering problems.

Mechanisms/modalities for online delivery of lecture/lab/tutorial sessions
I shall take the class during regular timetable. Sometimes recorded the videos and uploaded well before the class. During class time, I shall clarify their doubts and solve problems based on uploaded lectures.