SOFTWARE TESTING

TYPE OF COURSE: Rerun | Elective | UG / PG
COURSE DURATION: 4 weeks (18 Jan’ 21 - 12 Feb’ 21)
EXAM DATE: 21 Mar 2021

PRE-REQUISITES: Basic Knowledge of Programming
INTENDED AUDIENCE: Elective Course, PG Course, M.Tech
INDUSTRIES APPLICABLE TO: All software development/testing companies

COURSE OUTLINE:
Over the years several testing techniques have developed and tools have become available. Also, testing has been acknowledged as the primary technique for ensuring software reliability. The course would provide a brief introduction to test process and techniques available for black box and white box test case design. Integration, system and regression testing would also be discussed. A few of the test tools would be discussed and the participants would be encouraged to use.

ABOUT INSTRUCTOR:
Rajib Mall is a Professor from Department of Computer Science and Engineering, Indian Institute of Technology Kharagpur, West Bengal. He has more than a two decades of teaching experience in the areas of program analysis and testing. He has written five text books and over 150 referred research papers.

COURSE PLAN:
Week 1: Introduction to software testing and test process
Week 2: Black box testing
Week 3: White box testing
Week 4: Integration, regression and system testing, test automation