SOFTWARE TESTING

PROF. RAJIB MALL
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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 program 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 :
Prof. 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