

Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly West Bengal University of Technology)
Syllabus for B. Tech in Computer Science & Engineering
(Applicable from the academic session 2018-2019)

Software Engineering Lab
Code: ESC591
Contact: 4P

Name of the Course:	Software Engineering Lab
Course Code: ESC591	Semester: V
Duration: 6 months	Maximum Marks: 100
Teaching Scheme:	
Theory: hrs./week	Continuous Internal Assessment
Tutorial: NIL	External Assessment: 60
Practical: 4 hrs./week	Distribution of marks: 40
Credit Points:	2
Course Outcomes:	
1	To understand the software engineering methodologies involved in the phases for project development.
2	To gain knowledge about open source tools used for implementing software engineering methods.
3	To exercise developing product-startups implementing software engineering methods.
4	Learn simple optimization techniques
Pre-Requisite:	

Laboratory Experiments:	
<ul style="list-style-type: none">• Problem Analysis and Project Planning -Thorough study of the problem – Identify Project scope, Objectives and Infrastructure.• Software Requirement Analysis – Describe the individual Phases/modules of the project and Identify deliverables. Identify functional and non-functional requirements.• Data Modeling – Use work products – data dictionary.• Software Designing - Develop use case diagrams and activity diagrams, build and test class diagrams, sequence diagrams and add interface to class diagrams.• Prototype model – Develop the prototype of the product. <p>The SRS and prototype model should be submitted for end semester examination.</p>	

Any experiment specially designed by the college
(Detailed instructions for Laboratory Manual to be followed for further guidance)