

**Software Project – II**

<b>Semester VI</b>	<b>Subject Code: BC61705</b>	<b>Lectures: 60</b>
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<b>Objectives:</b>
The syllabus aims in equipping students with, <ul style="list-style-type: none"> <li>• Knowledge of developing the software</li> </ul>

<b>Unit 1: Synopsis and Introduction</b>	<b>05</b>
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<b>Unit 2: Analysis</b>	<b>05</b>
<ul style="list-style-type: none"> <li>• Fact finding techniques</li> <li>• Feasibility study</li> </ul>	

<b>Unit 3: Design</b>	<b>10</b>
<ul style="list-style-type: none"> <li>• E-R Diagram</li> <li>• Data flow diagram (up to 1<sup>st</sup> level DFD)</li> <li>• Data Dictionary</li> <li>• UML Diagrams</li> </ul>	

<b>Unit 4: Coding &amp; Testing (Manual Testing)</b>	<b>23</b>
<ul style="list-style-type: none"> <li>• Test Plan</li> <li>• Test case</li> </ul>	

<b>Unit 5: Demonstration and Project report</b>	<b>05</b>
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**\*Contact hours – 12 hours**



<b>Project Guidelines</b>	
<ul style="list-style-type: none"><li>• The project proposal should be prepared in consultation with your guide.</li><li>• The project proposal should clearly state the project objectives and the environment of the proposed project to be undertaken.</li><li>• The project work should compulsorily include the software development.</li><li>• The Project carries 100 marks.</li><li>• A photocopy of the complete Project should be retained by the student for future reference.</li><li>• The project is a part of your final Year curriculum.</li><li>• Students are eligible to submit the project proposals after V semester.</li><li>• Project will be examined by internal and external examiner.</li></ul>	

<b>Reference Books:</b>
<ol style="list-style-type: none"><li>1. Rasmus Lerdorf and Kevin Tatroe, <i>Programming PHP</i>, O'Reilly publication</li><li>2. <i>Beginning PHP 5</i> - Wrox publication</li><li>3. <i>PHP web services</i> - Wrox publication</li><li>4. E Balgurusamy, <i>Programming with JAVA</i></li><li>5. Herbert Schildt, <i>The Complete Reference- JAVA</i></li></ol>