

<b>BCSE391J</b>	<b>Technical Answers to Real Problems Project</b>			<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
				<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Pre-requisite</b>	<b>NIL</b>			<b>Syllabus version</b>			
				<b>1.0</b>			
<b>Course Objectives:</b>							
<ol style="list-style-type: none"> <li>1. To gain an understanding of real-life issues faced by society.</li> <li>2. To study appropriate technologies in order to find a solution to real life issues.</li> <li>3. Students will design system components intended to solve a real-life issue.</li> </ol>							
<b>Course Outcome:</b>							
<ol style="list-style-type: none"> <li>1. Identify real life issue(s) faced by society.</li> <li>2. Apply appropriate technologies to suggest a solution to the identified issue(s).</li> <li>3. Design the related system components/processes intended to provide a solution to the identified issue(s).</li> </ol>							
<b>Module Content</b>							
<p>Students are expected to perform a survey and interact with society to find out the real life issues.</p> <p>Logical steps with the application of appropriate technologies should be suggested to solve the identified issues.</p> <p>Subsequently the student should design the related system components or processes which is intended to provide the solution to the identified real-life issues.</p>							
<b>General Guidelines:</b>							
<ol style="list-style-type: none"> <li>1. Identification of real-life problems</li> <li>2. Field visits can be arranged by the faculty concerned</li> <li>3. Maximum of 3 students can form a team (within the same/different discipline)</li> <li>4. Minimum of eight hours on self-managed team activity</li> <li>5. Appropriate scientific methodologies to be utilized to solve the identified issue</li> <li>6. Solution should be in the form of fabrication/coding/modelling/product design/process design/relevant scientific methodology(ies)</li> <li>7. Consolidated report to be submitted for assessment</li> <li>8. Participation, involvement and contribution in group discussions during the contact hours will be used as the modalities for the continuous assessment of the theory component</li> <li>9. Project outcome to be evaluated in terms of technical, economical, social, environmental, political and demographic feasibility</li> <li>10. Contribution of each group member to be assessed</li> </ol>							
<b>Mode of Evaluation:</b> Evaluation involves periodic reviews by the faculty with whom the student has registered. Assessment on the project – Mark weightage of 20:30:50 – Report to be submitted, presentation and project reviews							
Recommended by Board of Studies				09-03-2022			
Approved by Academic Council				No.65	Date	17-03-2022	