



### Proposal for Capstone Project Design I (EEE 3202)

<b>1.</b>	<b>Project members</b>	:	1. Name (Roll No.) 2. Name (Roll No.) :
<b>2.</b>	<b>Title of the project</b>	:	
<b>3.</b>	<b>Brief description of the project:</b>		
	<b>(a) Project Background (within 500 words):</b>		
	Some aspects to be addressed are: <ul style="list-style-type: none"> <li>• What problem does your project address?</li> <li>• Mention the existing researches that address this problem with their contributions and research gaps.</li> </ul>		
	<b>(b) Objectives and aims of the project (within 100 words):</b>		
	Mention the objectives of your project- <ul style="list-style-type: none"> <li>• Objective 1</li> <li>• Objective 2</li> <li>•</li> </ul>		
	<b>(c) State how does your project address the following program outcomes (PO).</b>		
	POs for EEE 3202	PO Statements	
	PO(e) (Modern tool usage)	Create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling, to complex engineering problems, with an understanding of the limitations. <i><b>Explanation on addressing PO(e) through this project:</b></i>	
	PO(i) (Individual work and teamwork)	Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings. <i><b>Explanation on addressing PO(i) through this project:</b></i>	
	PO(j) (Communi- cation)	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. <i><b>Explanation on addressing PO(j) through this project:</b></i>	

PO(k) (Project management and finance)	Demonstrate knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. <i>Explanation on addressing PO(k) through this project:</i>			
<b>(d) Methodology to be adopted in the project (detail as far as possible):</b>				
Describe the tools and techniques that will be used to accomplish the project. Add necessary algorithm, flow chart, block diagram etc.				
<b>(e) Expected results:</b>				
Explain the tentative improvements of the problem compared to the current state of the problem. Add necessary data table, graphs, simulation results etc.				
<b>(f) Relevance of the project to national development:</b>				
Mention the real-life implementation of the project that would help in developing the country.				
<b>4.</b>	<b>Basic facilities available in the department for the proposed investigation:</b>			
Mention the facilities available in the laboratories that are relevant to the project (if any).				
<b>5.</b>	<b>Key performance indicators of the project:</b>			
Mention the key performance parameters related to the project.				
<b>6.</b>	<b>Cost Estimation:</b>			
Sl. No.	Item Description		Cost	
	Name of the Item	Quantity	Unit Price (BDT)	Total Cost (BDT)

<b>Project Members:</b>	<b>Supervisor:</b>
(Signature with date) 1. Name: Roll No.: Department of EEE, RUET  (Signature with date) 2. Name: Roll No.: Department of EEE, RUET	(Signature with date) Supervisor's Name Designation (Lecturer/.../Professor) Department of EEE, RUET