



**Rubrics for EE-401 (Midterm Evaluation)  
Electrical Engineering Project (EE-401)**



Title of Final Year Design Project						
Group Number		Name & Seat Number of Student.				
Criteria of evaluation as per PLOs	Marks (as per weightage of 100%)	Internal Examiner Assigned Marks External Examiner Assigned Marks				Evaluator Marks
		Excellent	Good	Average	Unsatisfactory	
		80-100%	60-80%	50-60%	Below 50%	
<b>Investigation</b>	15	The complex engineering problem is investigated in a scientific way. Valid conclusions and required outcomes have been achieved.	Most of the steps are carried out with scientific approach. More case studies/experiments are needed to test in order to draw authentic conclusion.	Technical analysis requires improvement OR drew conclusion is based on insufficient data or literature review.	Does not follow the methodical way of investigation at all and is not conclusive.	
<b>Design and Development of Solution</b>	15	Proposed design/ solution follows systematic approach in all aspects. It complies with existing standards of respective field and fulfills all necessary requirements.	Proposed design/ solution fulfills most of the requirements with some recommended improvements. It does not comply with existing standards of the respective field.	Few deficiencies in exploring design/ solution are implemented without multi-phase verifications. OR Unable to achieve desired outcomes.	Proposed design/solution does not follow engineering approach and has serious deficiencies in the theoretical framework of design/ solution.	
<b>Project Management</b>	15	Submitted on deadline and Excellent progress has been made so far.	Submitted on deadline and good progress has been made so far.	Submitted on deadline and satisfactory progress has been made so far.	Failed to follow deadline and unsatisfactory progress.	
<b>Environment and Sustainability</b>	10	The impact of FYP on environmental contexts has been thoroughly assessed and addressed (if there were issues highlighted) Explored and outlined the systematic approach towards sustainable development.	The impact of FYP on environmental contexts has been assessed. Proposed idea towards sustainable development.	The impact of FYP on some environmental contexts has been outlined. Weak approach towards sustainable development has been given	The impact of FYP on environmental contexts has been not been assessed or ignored No approach has been given towards the sustainable development.	
<b>The Engineer and Society</b>	10	<b>Most</b> of the societal, health, safety, legal and cultural issues are assessed as well as addressed based on reasoning in <b>deeply</b> informed way and contextual knowledge.  Significant consequent responsibilities relevant to professional engineering	<b>Some</b> of the societal, health, safety, legal and cultural issues are assessed, based on reasoning in <b>deeply</b> informed way and contextual knowledge.  Some consequent responsibilities relevant to professional engineering practice are outlined.	<b>Few</b> societal, health, safety, legal and cultural issues are <b>outlined</b> .  Very few consequent responsibilities relevant to professional engineering practice are outlined.	<b>None</b> of the societal, health, safety, legal and cultural issues are dealt.  Relevant responsibilities relevant to professional engineering practice are ignored.	

		practice are assessed and outlined.				
<b>Communication</b>	10	Use of very fluent speech. Effective use of charts, graphs, figures etc. Dressed in highly professional manner.	Satisfactory use of inflection. Fair use of charts, graphs, figures etc. Generally well-groomed and professional.	Occasional use of inflection. Limited use of charts, graphs, figures etc. Dressed neatly but casually.	Monotone voice. Information in unstructured way. Dressed inappropriately.	
<b>Lifelong Learning</b>	10	Ability to appropriately use skills, theories, or methodologies gained towards project working. High potential for commercialization with little or no refinement in future.	Ability to fairly use skills, theories, or methodologies gained towards project working. Easily commercialize with significant refinement in future.	Some use of skills, theories, or methodologies gained towards project working.	No use of skills, theories, or methodologies gained towards project working.	
<b>Team Work</b>	10	Almost always listens to, shares with and supports the efforts of others.	Usually listens to, shares with and supports the efforts of others.	Sometimes listens to, shares with and supports the efforts of others.	Rarely listens to, shares with and supports the efforts of others.	
<b>Ethics</b>	5	Similarity index is less than 15%	Similarity index is less than or equal to 20%	Similarity index is less than or equal to 30%	Similarity index is greater than 30%	
<b>Total Marks</b>	100					
<b>Average Marks of Internal and External Examiner</b>						

Name, PEC & Signature of Evaluator