

ELECTRICAL ENGINEERING DEPARTMENT
JORHAT ENGINEERING COLLEGE

Assessment rubrics for project work:

Sl. No.	CO	Weig htag e	Criteria	Average (60%)	Good (80%)	Excellent (100%)
1	Explain the role of Under Graduate Engineering project, components of such projects, phases of project and identification & collection of resources for project implementation .	15%	Need analysis (15%)	Modification of existing	General/ area specific	Innovative
			Phases of the project (20%)	Vague	Well defined	Well defined and timeline specified
			Possible ways to solve (15%)	Alternative ways not identified	Alternatives identified	Alternatives identified with feasibility and cost-effectiveness
			Literature review and problem formulation (50%)	Inadequate review of references is used to formulate the problem and justify the objectives.	Adequate but minimal recent references are reviewed to formulate the problem and justify the objectives	Recent and adequate references are reviewed to formulate the problem and justify the objectives.
2	Demonstrate the capability of teamwork and project management		Teamwork (40%)	Some of the members are not involved and their	All the team members are involved and their contribution of	All the team members are involved and contributed effectively to

through information, knowledge and skill sharing to achieve the goal of the project assigned.	25%		contributions are counted.	some of the members are not significant	the completion of the project
		Project management (20%)	The management of the project is not as satisfactory. In regards to project aspects. However, coordination among the team members and the supervisor is observed.	The management of the project is not as planned with improper estimation of budget. However, good coordination among the team members and the supervisor is observed.	The management of the project is as per timeline set within budgetary provision with perfect coordination among the team members and the supervisor.
		Completion of project/attainment of objective (40%)	Stated objectives are partially met and conclusions drawn are inappropriate.	Stated objectives are met and conclusions drawn are inappropriate, and the project is complete as per project characteristics.	Stated objectives are met and conclusions drawn are appropriate, and the project is complete as per project characteristics.

3	Apply common, special and interdisciplinary engineering knowledge and modern tools and techniques for system investigation and/or research method for system development to meet industrial and social needs.	50%	Use of modern tools and techniques (20%)	Application of tools and techniques available in the course curriculum.	Application of Modern tool and techniques which are usually applied	Tool or techniques acquired beyond the syllabus through self-learning.
			Industry or social importance of the project (30%)	Lowly connected having only academic interest	Moderately connected having academic as well as social relevance	Highly connected with relevance to the society and industrial applications
			Investigation Methodology (theoretical/experimental) (50%)	A case study with analysis, theoretical investigation without proper validation	Theoretical/experimental investigation with proper methods and conclusion.	Theoretical/experimental investigation with proper, method, validation and conclusion
4	Communicate effectively through project presentation, report preparation and writing of research paper.	10%	Abstract, Objectives, analysis, and conclusions (5%)	The abstract is not reflective of the project work, objectives, analysis and conclusions are not clear.	Abstract, Objectives, analysis, and conclusions are stated but not properly organised.	Abstract, objectives, analysis, and conclusions clearly stated

			Standard writing format (5%)	APA format but Paragraph text, -spaced, paper size, margin, font., Abstract ,Acknowledgment, Table of contents, List of Tables, Figures, Chapters, references, Appendix is not as per the standard format.	Paragraph text, double-spaced and single-sided on 8.5 x 11 (A4) paper with a minimum left margin of 1.25 inches and a margin of 0.75 inch on the bottom/top/right. Times New Roman, with 12-point font size,Abstract ,Acknowledgment, Table of contents, List of Tables and Figures,Chapters, references, Appendix are not self-explanatory.	Paragraph text, double-spaced and single-sided on 8.5 x 11 (A4) paper with a minimum left margin of 1.25 inches and a margin of 0.75 inch on the bottom/top/right. Times New Roman, with 12-point font size,Abstract ,Acknowledgment, Table of Contents, List of Tables and Figures, Chapters, references, Appendix are self-explanatory.
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		Semi nar	Content (30%)	Content is doubtful and information is not presented in a proper order	Content is perfect but information is not presented in a proper order	Content is perfect and information is presented in a proper order.
			Slide preparation (30%)	Slides are not precise, not sequential, not clear and distinct with adequate number of slides to complete the presentation within the time specified. Spelling and grammatical errors are significant	Slides are precise but not sequential, clear and distinct with not adequate number of slides to complete the presentation within the time specified. Few spelling and grammatical errors are observed.	Slides are precise, sequential, clear and distinct with an adequate number of slides to complete the presentation within the time specified. Insignificant spelling and grammatical errors.
			Presentation skill (20%)	The presentation is ineffective (fail to draw attention). However, presentation	The presentation is smooth, and not lucid. Voice modulation and	The presentation is smooth, and lucid. Voice modulation and

				is within the physical parameters set.	articulation and body language are not upto the mark proper.	articulation and body language are proper.
			Picture, images, graphs, etc. (10%)	Size of images is not proper.	Size of most of the images is proper.	The images are proper in size, distinct and pleasant to the eye.