

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
An Autonomous College Under UGC Act [2(f) and 12(B)]
 (Department of Electronics & Communication Engineering)

RUBRICS FOR MAJOR PROJECT EVALUATION

Rubrics Review

Review #	Agenda	Assessment	Review Assessment Weightage	Over all Weightage
Review 1	Project Synopsis/ Proposal Evaluation	Rubric R1	9% (18)	60% (120)
Review 2	Mid-Term Project Evaluation	Rubric R2	9% (18)	
Review 3	End Semester Project Evaluation	Rubric R3	15% (30)	
Review 4	Project Report Evaluation	Rubric R4	15% (30)	
Review 5	Evaluation by Guide	Rubric R5	12% (24)	
External Evaluation			40% (80)	40% (80)
Total			100% (200)	100% (200)

Rubric #R1: Project Synopsis/ Proposal Evaluation

Maximum Marks* : 18

Level of Achievement							
		Excellent (6)	Good (5)	Average (4)	Acceptable (3)	Unacceptable (2)	Score
a	Identification of Problem Domain and Detailed Analysis	Detailed and extensive explanation of the purpose and need of the project	Good explanation of the purpose and need of the project	Average explanation of the purpose and need of the project;	Moderate explanation of the purpose and need of the project	Minimal explanation of the purpose and need of the project	
b	Study of the Existing Systems and Feasibility of Project Proposal	Detailed and extensive explanation of the specifications and the limitations of the existing systems	Collects a great deal of information and good study of the existing systems;	Mopderate study of the existing systems; collects some basic information	Explanation of the specifications and the limitations of the existing systems not very satisfactory; limited information	Minimal explanation of the specifications and the limitations of the existing systems; incomplete information	
c	Objectives and Methodology of the Proposed Work	All objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are clearly specified	Good justification to the objectives; Methodology to be followed is specified but detailing is not done	Incomplete justification to the objectives proposed; Steps are mentioned but unclear; without justification to objectives	Only Some objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are not specified properly	Objectives of the proposed work are either not identified or not well defined; Incomplete and improper specification	

Rubric #R2: Mid-term Project Evaluation

Maximum Marks* : 18

Level of Achievement							
		Excellent (6)	Good (5)	Average (4)	Acceptable (3)	Unacceptable (2)	Score
a	Design Methodology	<ul style="list-style-type: none"> • Divison of problem into modules and good selection of computing framework • Appropriate design methodology and properly justification 	<ul style="list-style-type: none"> • Divison of problem into modules and good selection of computing framework • Design methodology not properly justified 	<ul style="list-style-type: none"> • Divison of problem into modules but inappropriate selection of computing framework • Design methodology not defined properly 	<ul style="list-style-type: none"> • Partial divison of problem into modules and inappropriate selection of computing framework • Design methodology not defined properly 	<ul style="list-style-type: none"> • Modular approach not adopted • Design methodology not defined 	
b	Planning of Project Work and Team Structure	<ul style="list-style-type: none"> • Time frame properly specified and being followed • Appropriate distribution of project work 	<ul style="list-style-type: none"> • Time frame properly specified and being followed • Distribution of project work inappropriate 	<ul style="list-style-type: none"> • Time frame properly specified, but not being followed • Distribution of project work un-even 	<ul style="list-style-type: none"> • Time frame properly specified, but not being followed • Un-even distribution of project work and no synchronization 	<ul style="list-style-type: none"> • Time frame not properly specified • In-appropriate distribution of project work 	
c	Demonstration and Presentation	<ul style="list-style-type: none"> • Objectives achieved as per time frame • Contents of presentations are appropriate and well arranged • Proper eye contact with audience and clear voice with good spoken language 	<ul style="list-style-type: none"> • Objectives achieved as per time frame • Contents of presentations are appropriate but not well arranged • Satisfactory demonstration, clear voice with good spoken language but eye contact not proper 	<ul style="list-style-type: none"> • Objectives achieved as per time frame • Contents of presentations are appropriate but not well arranged • Presentation not satisfactory and average demonstration 	<ul style="list-style-type: none"> • Objectives not achieved as per time frame • Contents of presentations are not appropriate • Eye contact with few people and unclear voice 	<ul style="list-style-type: none"> • No objectives achieved • Contents of presentations are not appropriate and not well delivered • Poor delivery of presentation 	

Rubric #R3: End Semester Internal Project Evaluation

Maximum Marks* : 30

Level of Achievement							
		Excellent (10)	Good (8)	Average (6)	Acceptable (4)	Unacceptable (2)	Score
a	Incorporation of Suggestions	Changes are made as per modifications suggested during mid term evaluation and new innovations added	Changes are made as per modifications suggested during mid term evaluation and good justification	All major changes are made as per modifications suggested during mid term evaluation	Few changes are made as per modifications suggested during mid term evaluation	Suggestions during mid term evaluation are not incorporated	
b	Project Demonstration	<ul style="list-style-type: none"> • All defined objectives are achieved • Each module working well and properly demonstrated • All modules of project are well integrated and system working is accurate 	<ul style="list-style-type: none"> • All defined objectives are achieved • Each module working well and properly demonstrated • Integration of all modules not done and system working is not very satisfactory 	<ul style="list-style-type: none"> • All defined objectives are achieved • Modules are working well in isolation and properly demonstrated • Modules of project are not properly integrated 	<ul style="list-style-type: none"> • Some of the defined objectives are achieved • Modules are working well in isolation and properly demonstrated • Modules of project are not properly integrated 	<ul style="list-style-type: none"> • Defined objectives are not achieved • Modules are not in proper working form that further leads to failure of integrated system 	
c	Presentation	<ul style="list-style-type: none"> • Contents of presentations are appropriate and well delivered • Proper eye contact with audience and clear voice with good spoken language 	<ul style="list-style-type: none"> • Contents of presentations are appropriate and well delivered • Clear voice with good spoken language but less eye contact with audience 	<ul style="list-style-type: none"> • Contents of presentations are appropriate but not well delivered • Eye contact with few people and unclear voice 	<ul style="list-style-type: none"> • Contents of presentations are not appropriate • Eye contact with few people and unclear voice 	<ul style="list-style-type: none"> • Contents of presentations are not appropriate and not well delivered • Poor delivery of presentation 	

Rubric #R4: Project Report Evaluation

Maximum Marks* : 30

Level of Achievement							
		Excellent (10)	Good (8)	Average (6)	Acceptable (4)	Unacceptable (2)	Score
a	Project Report	<ul style="list-style-type: none"> Project report is according to the specified format References and citations are appropriate and well mentioned 	<ul style="list-style-type: none"> Project report is according to the specified format References and citations are appropriate but not mentioned well 	<ul style="list-style-type: none"> Project report is according to the specified format but some mistakes In-sufficient references and citations 	<ul style="list-style-type: none"> Project report is not fully according to the specified format In-sufficient references and citations 	<ul style="list-style-type: none"> Project report not prepared according to the specified format References and citations are not appropriate 	
b	Description of Concepts and Technical Details	<ul style="list-style-type: none"> Complete explanation of the key concepts Strong description of the technical requirements of the project 	<ul style="list-style-type: none"> Complete explanation of the key concepts In-sufficient description of the technical requirements of the project 	<ul style="list-style-type: none"> Complete explanation of the key concepts but little relevance to literature In-sufficient description of the technical requirements of the project 	<ul style="list-style-type: none"> All key concepts are not explained and very little relevance to literature In-sufficient description of the technical requirements of the project 	<ul style="list-style-type: none"> Inappropriate explanation of the key concepts Poor description of the technical requirements of the project 	
c	Conclusion and Discussion	<ul style="list-style-type: none"> Results are presented in very appropriate manner Project work is well summarized and concluded Future extensions in the project are well specified 	<ul style="list-style-type: none"> Results are presented in good manner Project work summary and conclusion not very appropriate Future extensions in the project are specified 	<ul style="list-style-type: none"> Results presented are not much satisfactory Project work summary and conclusion not very appropriate Future extensions in the project are specified 	<ul style="list-style-type: none"> Results presented are not much satisfactory Project work summary and conclusion not very appropriate Future extensions in the project are not specified 	<ul style="list-style-type: none"> Results are not presented properly Project work is not summarized and concluded Future extensions in the project are not specified 	

Rubric #R5: Evaluation by Guide

Maximum Marks* : 24

Level of Achievement						
		Excellent (4)	Satisfactory (2)	Unsatisfactory (1)	Score	
a	Self Motivation and Determination	Approaches the project with self-motivation and follows it through to completion	Completes the project but sometimes lacks self-motivation	Lacks self motivation and determination		
b	Working within a Team	Collaborates and communicates in a group situation and integrates the views of others	Exchanges some views but requires guidance to collaborate with others.	Makes little or no attempt to collaborate in a group situation		
c	Technical Knowledge and Awareness related to the Project	Extensive knowledge related to the project	Fair knowledge related to the project	Lacks sufficient knowledge		
Level of Achievement						
		Excellent (12)	Good (10)	Satisfactory (8)	Unsatisfactory (6)	Score
d	Regularity	Reports to the guide regularly and consistent in work	Not very regular but consistent in the work	Reports to the guide but lacks consistency	Irregular in attendance and inconsistent in work	