

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

RUBRICS FOR M.TECH PROJECT EVALUATION

Rubrics Review

Review #	Agenda	Assessment	Review Assessment Weightage	Over all Weightage
Review 1	Project Synopsis / Proposal Evaluation	Rubric R1	4% (4)	50% (50)
Review 2	Mid-Term Project Evaluation	Rubric R2	12% (12)	
Review 3	End Semester Internal Project Evaluation	Rubric R3	12% (12)	
Review 4	Project Report Evaluation	Rubric R4	12% (12)	
Review 5	Evaluation by Guide	Rubric R5	10% (10)	
External Evaluation			50% (50)	50% (50)
Total			100% (100)	100% (100)

Rubric #R1: Project Synopsis/Proposal Evaluation

Maximum Marks* : 4

Level of Achievement						
		Excellent (4)	Good (3)	Average (2)	Poor (1)	Score
a	Identification of Problem Domain and Detailed analysis of Feasibility, Objectives and Methodology of Project Proposal	<ul style="list-style-type: none"> •Detailed and extensive explanation of the purpose and need of the project •Detailed and extensive explanation of the specifications and the limitations of the existing systems •All objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are clearly specified 	<ul style="list-style-type: none"> •Good explanation of the purpose and need of the project •Collects a great deal of information and good study of the existing systems; •Good justification to the objectives; Methodology to be followed is specified but detailing is not done 	<ul style="list-style-type: none"> •Average explanation of the purpose and need of the project; •Mopderate study of the existing systems; collects some basic information •Incomplete justification to the objectives proposed; Steps are mentioned but unclear; without justification to objectives 	<ul style="list-style-type: none"> •Moderate explanation of the purpose and need of the project •Explanation of the specifications and the limitations of the existing systems not very satisfactory; limited information •Only Some objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are not specified properly 	

*Maximum Marks Rubric1 =4 =a(4)
 Rubric3 =12= a(4)+ b(4)+ c(4)
 Rubric5 =10= a(4)+ b(6)

Rubric2 =12= a(4)+ b(4)+ c(4)
 Rubric4 =12= a(4)+ b(4)+ c(4)

Rubric #R2: Mid-term Project Evaluation

Maximum Marks* : 12

Level of Achievement						
		Excellent (4)	Good (3)	Average (2)	Poor (1)	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 	
b	Planning of Project Work	<ul style="list-style-type: none"> • Time frame properly specified and being followed 	<ul style="list-style-type: none"> • Time frame properly specified but being followed partly 	<ul style="list-style-type: none"> • Time frame properly specified, but not being followed 	<ul style="list-style-type: none"> • Time frame not properly specified 	
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 • Eye contact with few people and unclear voice 	<ul style="list-style-type: none"> • Objectives not achieved as per time frame • Contents of presentations are not appropriate • Demonstration not satisfactory 	

*Maximum Marks Rubric1 =4 =a(4)
 Rubric3 =12= a(4)+ b(4)+ c(4)
 Rubric5 =10= a(4)+ b(6)

Rubric2 =12= a(4)+ b(4)+ c(4)
 Rubric4 =12= a(4)+ b(4)+ c(4)

Rubric #R3: End Semester Internal Project Evaluation

Maximum Marks* : 12

Level of Achievement						
		Excellent (4)	Good (3)	Average (2)	Poor (1)	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	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"> • Only some of the defined objectives are 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 only few people and unclear voice 	<ul style="list-style-type: none"> • Contents of presentations are not appropriate and not well delivered • Poor eye contact with audience and unclear voice 	

*Maximum Marks Rubric1 =4 =a(4)
 Rubric3 =12= a(4)+ b(4)+ c(4)
 Rubric5 =10= a(4)+ b(6)

Rubric2 =12= a(4)+ b(4)+ c(4)
 Rubric4 =12= a(4)+ b(4)+ c(4)

Rubric #R4: Project Report Evaluation

Maximum Marks* : 12

Level of Achievement						
		Excellent (4)	Good (3)	Average (2)	Poor (1)	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 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 and strong description of the technical requirements of the project 	<ul style="list-style-type: none"> •Complete explanation of the key concepts but in-sufficient description of the technical requirements of the project 	<ul style="list-style-type: none"> •Incomplete explanation of the key concepts and in-sufficient description of the technical requirements of the project 	<ul style="list-style-type: none"> •Inappropriate explanation of the key concepts and 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 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 	

*Maximum Marks Rubric1 =4 =a(4)
 Rubric3 =12= a(4)+ b(4)+ c(4)
 Rubric5 =10= a(4)+ b(6)

Rubric2 =12= a(4)+ b(4)+ c(4)
 Rubric4 =12= a(4)+ b(4)+ c(4)

Rubric #R5: Evaluation by Guide

Maximum Marks* : 10

Level of Achievement						
		Excellent (4)	Good (3)	Average (2)	Poor (1)	Score
a	Technical Knowledge and Awareness related to the Project	Extensive knowledge and awareness related to the project	Fair knowledge and awareness related to the project	Lacks sufficient knowledge and awareness	Poor knowledge and no awareness related to project	
Level of Achievement						
		Excellent (6)	Good (5)	Average (3)	Poor (1)	Score
b	Regularity and Attendance	Reports to the guide regularly and consistent in work	Reports to the guide very often but not very consistent	Reports to the guide but lacks consistency	Irregular and inconsistent in work	

*Maximum Marks Rubric1 =4 =a(4)
 Rubric3 =12= a(4)+ b(4)+ c(4)
 Rubric5 =10= a(4)+ b(6)

Rubric2 =12= a(4)+ b(4)+ c(4)
 Rubric4 =12= a(4)+ b(4)+ c(4)