MUZAFFARPUR INSTITUTE OF TECHNOLOGY, MUZAFFARPUR
BIHAR - 842003

RUBRICS FOR B. TECH PROJECT EVALUATION

Rubrics Review

Review #	Agenda	Assessment	Review Assessment Weightage	Over all Weightage
Review 1	Project Topic/Proposal Evaluation	Rubric R1	4% (4)	40% (40)
Review 2	Mid-Term Project Evaluation	Rubric R2	8% (8)	
Review 3	End Semester Internal Project Evaluation	Rubric R3	8% (8)	
Review 4	Project Report Evaluation	Rubric R4	10% (10)	
Review 5	Evaluation by Guide	Rubric R5	10% (10)	
External Evaluation			60% (60)	60% (60)
Total			100% (100)	100% (100)

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Rubric R1: Project Topic/Proposal Evaluation

Maximum Marks*: 4

	Criterion	Level of Achievement				Score
		Excellent (4)	**Good (3)**	**Average (2)**	**Poor (1)**	
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	
b	**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	
c	**Objectives and Methodology of Project Proposal**	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	

* Maximum Marks Rubric 1 = 4 = a(4)

Rubric 2 = 8 = a(4) + b(4) + c(4)

Rubric 3 = 8 = a(4) + b(4) + c(4)

Rubric 4 = 10 = a(4) + b(4) + c(4)

Rubric 5 = 10 = a(4) + b(6)

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Rubric R2: Mid-term Project Evaluation

Maximum Marks*: 8

	Criterion	Level of Achievement				Score
		Excellent (4)	**Good (3)**	**Average (2)**	**Poor (1)**	
a	**Design Methodology**	➢ Divison of problem into modules and good selection of computing framework. ➢ Appropriate design methodology and properly justification.	➢ Divison of problem into modules and good selection of computing framework ➢ Design methodology not properly justified	➢ Divison of problem into modules but inappropriate selection of computing framework. ➢ Design methodology not defined properly	➢ Partial divison of problem into modules and inappropriate selection of computing framework. ➢ Design methodology not defined properly	
b	**Planning of Project Work**	Time frame properly specified and being followed	Time frame properly specified but being followed partly	Time frame properly specified, but not being followed	Time frame not properly specified	
c	**Demonstration and Presentation**	➢ 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	➢ 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	➢ Objectives achieved as per time frame. ➢ Contents of presentations are appropriate but not well arranged. ➢ Eye contact with few people and unclear voice.	➢ Objectives not achieved as per time frame. ➢ Contents of presentations are not appropriate. ➢ Demonstration not satisfactory	

* Maximum Marks Rubric 1 = 4 = a(4)   Rubric 4 = 10 = a(4) + b(4) + c(4)

Rubric 2 = 8 = a(4) + b(4) + c(4)   Rubric 5 = 10 = a(4) + b(6)

Rubric 3 = 8 = a(4) + b(4) + c(4)

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Rubric R3: End Semester Internal Project Evaluation

Maximum Marks*: 8

Criterion		Level of Achievement				Score
		Excellent (4)	**Good (3)**	**Average (2)**	**Poor (1)**	
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**	➢ All defined objectives are achieved ➢ Each module working well and properly demonstrated ➢ All modules of project are well integrated and system working is accurate	➢ All defined objectives are achieved ➢ Each module working well and properly demonstrated ➢ Integration of all modules not done and system working is not veey satisfactory	➢ All defined objectives are achieved ➢ Modules are working well in isolation and properly demonstrated ➢ Modules of project are not properly integrated	➢ 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**	➢ Contents of presentations are appropriate and well delivered ➢ Proper eye contact with audience and clear voice with good spoken language	➢ Contents of presentations are appropriate and well delivered ➢ Clear voice with good spoken language but less eye contact with audience	➢ Contents of presentations are appropriate but not well delivered ➢ Eye contact with only few people and unclear voice	➢ Contents of presentations are not appropriate and not well delivered ➢ Poor eye contact with audience and unclear voice	

* Maximum Marks Rubric 1 = 4 = a(4)

Rubric 2 = 8 = a(4) + b(4) + c(4)

Rubric 3 = 8 = a(4) + b(4) + c(4)

Rubric 4 = 10 = a(4) + b(4) + c(4)

Rubric 5 = 10 = a(4) + b(6)

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Rubric R4: Project Report Evaluation

Maximum Marks*: 10

Criterion		Level of Achievement				Score
		Excellent (4)	**Good (3)**	**Average (2)**	**Poor (1)**	
a	**Project Report**	➢ Project report is according to the specified format ➢ References and citations are appropriate and well mentioned	➢ Project report is according to the specified format ➢ References and citations are appropriate but not mentioned well	➢ Project report is according to the specified format but some mistakes ➢ In-sufficient references and citations	➢ Project report not prepared according to the specified format ➢ References and citations are not appropriate	
b	**Description of Concepts and Technical Details**	Complete explanation of the key concepts and strong description of the technical requirements of the project	Complete explanation of the key concepts but in-sufficient description of the technical requirements of the project	Incomplete explanation of the key concepts and in-sufficient description of the technical requirements of the project	Inappropriate explanation of the key concepts and poor description of the technical requirements of the project	
c	**Conclusion and Discussion**	➢ Results are presented in very appropriate manner ➢ Project work is well summarized and concluded ➢ Future extensions in the project are well specified	➢ Results are presented in good manner ➢ Project work summary and conclusion not very appropriate ➢ Future extensions in the project are specified	➢ Results presented are not much satisfactory ➢ Project work summary and conclusion not very appropriate ➢ Future extensions in the project are not specified	➢ Results are not presented properly ➢ Project work is not summarized and concluded ➢ Future extensions in the project are not specified	

* Maximum Marks Rubric 1 = 4 = a(4)   Rubric 4 = 10 = a(4) + b(4) + c(4)

Rubric 2 = 8 = a(4) + b(4) + c(4)   Rubric 5 = 10 = a(4) + b(6)

Rubric 3 = 8 = a(4) + b(4) + c(4)

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Rubric R5: Evaluation by Guide

Maximum Marks*: 10

Criterion		Level of Achievement				Score
		Excellent (4)	**Good (3)**	**Average (2)**	**Poor (1)**	
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	
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 Rubric 1 = 4 = a(4)

Rubric 2 = 8 = a(4) + b(4) + c(4)

Rubric 3 = 8 = a(4) + b(4) + c(4)

Rubric 4 = 10 = a(4) + b(4) + c(4)

Rubric 5 = 10 = a(4) + b(6)