



**SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA, (M.P.)**  
Department of Electronics Engineering  
Program- Electronics and Communication Engineering

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**Guidelines for Minor and Major Projects**

- [1] The student's projects are selected in line with department Mission, Program Outcomes and Program Specific Outcomes.
- [2] Students are provided with brief idea of various fields for selecting the project ideas.
- [3] The list of previous year projects is available in the department which ensures no repetition of project work and also encourages students to enhance the previous works.
- [4] The faculties encourage the students to carry out in house projects and possible support is provided with all necessary software and hardware.
- [5] The faculties encourage students to participate in project exhibitions. The project exhibition was aimed to provide common platform to exhibit their innovations and their work towards technology.
- [6] The faculties encourage students to publish their project work in reputed journals/conferences.
- [7] The faculties encourage students to avail the external funding schemes for their project work and provide the internal funding if available for the same.

  
Dr. Ashutosh Datar  
Head of the Department

Dept. of Electronics Engg  
S.A.T.I. (Engg. College)  
VIDISHA (M.P.)



**MINOR PROJECT**

**Process for Approval and Evaluation Scheme for Final Year (VII sem) Minor Project**

1. Every final year student undertakes *Minor-Project* over a period of *one semester*, as mentioned in the Scheme/ curriculum.
2. A group of students' maximum 4 students should be made and a guide and a co-guide will be assigned to each group. There after students must consult with their guide to select a topic. The theme of project is the choice of students with interest over the subject.
3. Project work may include data collection, experiments, field visit, analysis and design, estimates, economic analysis, software skills, social and environmental aspect. This activity helps students in communication, presentation, working in teams, leadership, ethics etc. According to nature of the problem students have to find new information and/or technologies to complete the project.
4. After the completion of the **Minor Project** a detailed report is required to be submitted at the end of the semester. It is evaluated by group of internal and external examiner by conducting presentation and viva. The maximum marks to be allotted to Minor Project are **100 marks**. Internal marks have weightage of 50% (**50 marks**) and External marks having weightage of 50% (**50 marks**).

**Rubrics: Rubrics were set for internal assessment of the projects.**

**Minor Project**

Review #	Agenda	Assessment	Review Assessment Max. Marks	Semester	Obtained Marks
Review 1	Project Synopsis / Project Evaluation	Rubric R1	15	7 <sup>th</sup>	
Review 2	Mid-Term project Evaluation	Rubric R2	15	7 <sup>th</sup>	
Review 3	End Semester Internal Project Evaluation	Rubric R3	20	7 <sup>th</sup>	
Review 4	Final External Evaluation	Rubric R4	50	7 <sup>th</sup>	
<b>Total</b>			<b>Max. 100</b>		



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**Rubric (R1): Minor Project Synopsis / Proposal Evaluation**

Maximum Marks: 15

		Level of Achievement				
Parameters	Excellent (4)	Good (3)	Acceptable (2)	Unacceptable (1)	Score	
<b>a.</b> <b>Problem Identification and Analysis</b>	Detailed explanation of purpose of project.	Good explanation of purpose of project.	Average explanation of purpose of project.	Minimal explanation of purpose of project.		
<b>b.</b> <b>Literature Survey and Feasibility of Proposal</b>	Detailed explanation of specifications and limitations of the existing system.	Collects a great deal of information and good study of the existing systems.	Explanation of the specifications and limitations of the existing systems not satisfactory, limited information	Minimal explanation of the specifications and limitations of the existing systems, incomplete information.		
<b>c.</b> <b>Objectives, Methodology of the Proposed work</b>	<ul style="list-style-type: none"> <li>• Objectives are well defined;</li> <li>• Steps to solve the problem are clearly specified.</li> </ul>	<ul style="list-style-type: none"> <li>• Good justification to the objectives, Methodology to be followed is specified</li> <li>• But detailing is not done.</li> </ul>	<ul style="list-style-type: none"> <li>• Only some objectives are well defined,</li> <li>• Steps to solve the problem are not specified properly.</li> </ul>	<ul style="list-style-type: none"> <li>• Objectives are neither identified nor well defined,</li> <li>• Improper specifications.</li> </ul>		
	<b>Excellent (3)</b>	<b>Good (2)</b>	<b>Acceptable (1)</b>	<b>Unacceptable (0)</b>		
<b>d</b> <b>Cost Estimation</b>	Cost estimate is presented in every way.	<ul style="list-style-type: none"> <li>• Reasonable cost estimates presented</li> <li>• No profitability analysis included.</li> </ul>	<ul style="list-style-type: none"> <li>• Reasonable profitability analysis presented,</li> <li>• No interpretation of the results.</li> </ul>	Profitability analysis need to improvement.		



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**Rubric (R2): Mid-Term Minor Project Evaluation**

Maximum Marks: 15

Level of Achievement					
Parameters	Excellent (5)	Good (4)	Average (3)	Unacceptable (2)	Score
<b>a.</b> <b>Design Methodology</b>	<ul style="list-style-type: none"> <li>Division of problem into modules and good computing framework</li> <li>Appropriate design methodology and properly justified</li> </ul>	<ul style="list-style-type: none"> <li>Division of problem into modules and good computing framework</li> <li>Design methodology not properly justified</li> </ul>	<ul style="list-style-type: none"> <li>Division of problem into modules but inappropriate computing framework</li> <li>Design methodology not defined properly.</li> </ul>	<ul style="list-style-type: none"> <li>Partial division of problem into modules and inappropriate computing framework</li> <li>Design methodology not defined properly.</li> </ul>	
<b>b.</b> <b>Planning of Project Work</b>	<ul style="list-style-type: none"> <li>Time frame properly specified and being followed</li> </ul>	<ul style="list-style-type: none"> <li>Time frame properly specified but partly being followed</li> </ul>	<ul style="list-style-type: none"> <li>Time frame properly specified but not being followed</li> </ul>	<ul style="list-style-type: none"> <li>Time frame not properly specified</li> </ul>	
<b>c.</b> <b>Demonstration and Presentation</b>	<ul style="list-style-type: none"> <li>Objectives achieved as per time frame</li> <li>Contents of presentations are appropriate and well arranged</li> <li>Proper eye contact with audience and clear voice with good spoken language.</li> </ul>	<ul style="list-style-type: none"> <li>Objectives achieved as per time frame</li> <li>Contents of presentations are appropriate but not well arranged</li> <li>Satisfactory demonstration, clear voice with good spoken language but eye contact with audience not proper.</li> </ul>	<ul style="list-style-type: none"> <li>Objectives achieved as per time frame</li> <li>Contents of presentations are appropriate but not well arranged</li> <li>Eye contact with few people and unclear voice.</li> </ul>	<ul style="list-style-type: none"> <li>Objectives not achieved as per time frame</li> <li>Contents of presentations are not appropriate</li> <li>Demonstration not satisfactory.</li> </ul>	

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**SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA, (M.P.)**  
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**Rubric (R3): End Semester Internal Minor Project Evaluation**  
 Maximum Marks: 20

Level of Achievement					Score
Parameters	Excellent (3)	Good (2)	Average (1)	Unacceptable (0)	
a. <b>Incorporation of Suggestions</b>	<ul style="list-style-type: none"> <li>Changes are made as per modifications suggested and new innovations added.</li> <li>All defined objectives are achieved</li> </ul>	<ul style="list-style-type: none"> <li>Changes are made as per modifications suggested and good justification.</li> <li>All defined objectives are achieved</li> </ul>	<ul style="list-style-type: none"> <li>All major changes are made as per modifications suggested</li> </ul>	<ul style="list-style-type: none"> <li>Suggestions are not incorporated</li> </ul>	
b. <b>Project Demonstration</b>	<ul style="list-style-type: none"> <li>All defined objectives are achieved</li> <li>Each module working well and properly demonstrated</li> <li>All modules of project are well integrated and system working is accurate</li> </ul>	<ul style="list-style-type: none"> <li>All defined objectives are achieved</li> <li>Each module working well and properly demonstrated</li> <li>All modules of project are not well integrated and system working is not very satisfactory</li> </ul>	<ul style="list-style-type: none"> <li>All defined objectives are achieved</li> <li>Modules are working well in isolation and properly demonstrated</li> <li>Modules of project are not properly integrated</li> </ul>	<ul style="list-style-type: none"> <li>Only some of the defined objectives are achieved</li> <li>Modules are not in proper working form that further leads to failure of integrated system</li> </ul>	
c. <b>Presentation</b>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate and well delivered</li> <li>Proper eye contact with audience and clear voice with good spoken language</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate and well delivered</li> <li>clear voice with good spoken language but less eye contact with audience</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate but not well delivered</li> <li>eye contact with only few people and unclear voice</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are not appropriate and not well delivered</li> <li>Poor eye contact with audience and unclear voice</li> </ul>	
d. <b>Project Report</b>	<ul style="list-style-type: none"> <li>Project Report is according to the specified format</li> <li>References and citations are appropriate and well mentioned</li> </ul>	<ul style="list-style-type: none"> <li>Project Report is according to the specified format</li> <li>References and citations are appropriate but not mentioned well</li> </ul>	<ul style="list-style-type: none"> <li>Project Report is according to the specified format but some mistakes</li> <li>Insufficient references and citations</li> </ul>	<ul style="list-style-type: none"> <li>Project Report is not prepared according to the specified format</li> <li>References and citations are not appropriate</li> </ul>	
e. <b>Description of Concepts and Technical Details</b>	<ul style="list-style-type: none"> <li>Complete explanation of the key concepts and strong description of the technical requirements of the project</li> </ul>	<ul style="list-style-type: none"> <li>Complete explanation of the key concepts but insufficient description of the technical requirements of the project</li> </ul>	<ul style="list-style-type: none"> <li>Incomplete explanation of the key concepts and insufficient description of the technical requirements of the project</li> </ul>	<ul style="list-style-type: none"> <li>Inappropriate explanation of the key concepts and poor description of the technical requirements of the project</li> </ul>	
f. <b>Conclusion and Discussion</b>	<ul style="list-style-type: none"> <li>Results are presented in very appropriate manner</li> <li>Project work is well summarized and concluded</li> <li>Future extensions in the project are well specified</li> </ul>	<ul style="list-style-type: none"> <li>Results are presented in good manner</li> <li>Project work summary and conclusion not very appropriate</li> <li>Future extensions in the project are specified</li> </ul>	<ul style="list-style-type: none"> <li>Results presented are not much satisfactory</li> <li>Project work summary and conclusion not very appropriate</li> <li>Future extensions in the project are not specified</li> </ul>	<ul style="list-style-type: none"> <li>Results are not presented properly</li> <li>Project work is not summarized and concluded</li> <li>Future extensions in the project are not specified</li> </ul>	
	<b>Excellent (2)</b>	<b>Good (1 – 1.5)</b>	<b>Average (0.5 – 1.0)</b>	<b>Unacceptable (0 – 0.5)</b>	
g. <b>Regularity and Attendance</b>	<ul style="list-style-type: none"> <li>Reports to the guide regularly and consistent in work</li> </ul>	<ul style="list-style-type: none"> <li>Reports to the guide very often but not very consistent</li> </ul>	<ul style="list-style-type: none"> <li>Reports to the guide but lacks consistency</li> </ul>	<ul style="list-style-type: none"> <li>Irregular and inconsistent in work</li> </ul>	

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**SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA, (M.P.)**  
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**Rubric (R4): External Minor Project Evaluation**

Maximum Marks: 50

		Level of Achievement			Score
Parameters	Excellent (10)	Good (9-8)	Average (7-6)	Unacceptable (5-4)	
a. <b>Project Demonstration and Implementation Strategy</b>	<ul style="list-style-type: none"> <li>All defined objectives are achieved</li> <li>Each module working well and properly demonstrated</li> <li>All modules of project are well integrated and system working is accurate</li> </ul>	<ul style="list-style-type: none"> <li>All defined objectives are achieved</li> <li>Each module working well and properly demonstrated</li> <li>Integration of all modules not done and system working is not very satisfactory</li> </ul>	<ul style="list-style-type: none"> <li>All defined objectives are achieved</li> <li>Modules are working well in isolation and properly demonstrated</li> <li>Modules of project are not properly integrated</li> </ul>	<ul style="list-style-type: none"> <li>Only some of the defined objectives are achieved</li> <li>Modules are not in proper working form that further leads to failure of integrated system</li> </ul>	
b. <b>Presentation</b>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate and well delivered</li> <li>Proper eye contact with audience and clear voice with good spoken language</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate and well delivered</li> <li>Clear voice with good spoken language but less eye contact with audience</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate but not well delivered</li> <li>Eye contact with only few people and unclear voice</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are not appropriate and not well delivered</li> <li>Poor eye contact with audience and unclear voice</li> </ul>	
c. <b>Project Report</b>	<ul style="list-style-type: none"> <li>Project report is according to the specified format</li> <li>References and citations are appropriate and well mentioned</li> </ul>	<ul style="list-style-type: none"> <li>Project report is according to the specified format</li> <li>References and citations are appropriate but not well mentioned</li> </ul>	<ul style="list-style-type: none"> <li>Project report is according to the specified format but some mistakes</li> <li>In-sufficient references and citations</li> </ul>	<ul style="list-style-type: none"> <li>Project report not according to the specified format</li> <li>References and citations are not appropriate</li> </ul>	
d. <b>Technical Knowledge and Awareness related to the Project</b>	<ul style="list-style-type: none"> <li>Extensive Knowledge and awareness related to the project</li> </ul>	<ul style="list-style-type: none"> <li>Fair knowledge and awareness related to the project</li> </ul>	<ul style="list-style-type: none"> <li>Lacks sufficient knowledge and awareness</li> </ul>	<ul style="list-style-type: none"> <li>Poor knowledge and no awareness related to the project</li> </ul>	
e. <b>Results and Future Scope</b>	<ul style="list-style-type: none"> <li>Results are presented in very appropriate manner</li> <li>Project work is well summarized and concluded</li> <li>Future extensions in the project are well specified</li> </ul>	<ul style="list-style-type: none"> <li>Results are presented in good manner</li> <li>Project work summary and conclusion not very appropriate</li> <li>Future extensions in the project are specified</li> </ul>	<ul style="list-style-type: none"> <li>Results presented are not much satisfactory</li> <li>Project work summary and conclusion not very appropriate</li> <li>Future extensions in the project are not specified</li> </ul>	<ul style="list-style-type: none"> <li>Results are not presented properly</li> <li>Project work is not summarized and concluded</li> <li>Future extensions in the project are not specified</li> </ul>	

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**MAJOR PROJECT**

**Process for Approval and Evaluation Scheme for Final Year (VIII sem) Major Project**

1. Every final year student undertakes *Major-Project* over a period of *one semester*, as mentioned in the Scheme/ curriculum.
2. A group of students' maximum 4 students should be made and a guide and a co-guide will be assigned to each group. There after students must consult with their guide to select a topic. The theme of project is the choice of students with interest over the subject.
3. Project work may include data collection, experiments, field visit, analysis and design, estimates, economic analysis, software skills, social and environmental aspect. This activity helps students in communication, presentation, working in teams, leadership, ethics etc. According to nature of the problem students have to find new information and/or technologies to complete the project.
4. After the completion of the **Major Project** a detailed report is required to be submitted at the end of year. It is evaluated by group of internal and external examiner by conducting presentation and viva. The maximum marks to be allotted to Minor project are **400 marks**. Internal marks have weightage of 37.5% (**150 marks**) and External marks having weightage of 62.5% (**250 marks**).

**Rubrics: Rubrics were set for internal assessment of the projects.**

Major Project:

Review #	Agenda	Assessment	Review Assessment Max. Marks	Semester	Obtained Marks
Review 1	Project Synopsis / Project Evaluation	Rubric R1	40	8 <sup>th</sup>	
Review 2	Mid-Term project Evaluation	Rubric R2	40	8 <sup>th</sup>	
Review 3	End Semester internal Project Evaluation	Rubric R3	70	8 <sup>th</sup>	
Review 4	Final External Evaluation	Rubric R4	250	8 <sup>th</sup>	
<b>Total</b>			<b>Max. 400</b>		

*(Signature)*



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Maximum Marks: **40**

**Rubric (R1): Project Synopsis / Proposal Evaluation**

		<b>Level of Achievement</b>				
<b>Parameters</b>	<b>Excellent (10)</b>	<b>Good (9)</b>	<b>Acceptable (8)</b>	<b>Unacceptable (6)</b>	<b>Score</b>	
<b>a. Problem Identification and Analysis</b>	Detailed explanation of purpose of project.	Good explanation of purpose of project.	Average explanation of purpose of project.	Minimal explanation of purpose of project.		
<b>b. Literature Survey and Feasibility of Proposal</b>	Detailed explanation of specifications and limitations of the existing system.	Collects a great deal of information and good study of the existing systems.	Explanation of the specifications and limitations of the existing systems not satisfactory, limited information	Minimal explanation of the specifications and limitations of the existing systems, incomplete information.		
<b>c. Objectives, Methodology of the Proposed work</b>	<ul style="list-style-type: none"> <li>• Objectives are well defined;</li> <li>• Steps to solve the problem are clearly specified.</li> </ul>	<ul style="list-style-type: none"> <li>• Good justification to the objectives, Methodology to be followed is specified</li> <li>• But detailing is not done.</li> </ul>	<ul style="list-style-type: none"> <li>• Only some objectives are well defined,</li> <li>• Steps to solve the problem are not specified properly.</li> </ul>	<ul style="list-style-type: none"> <li>• Objectives are neither identified nor well defined,</li> <li>• Improper specifications.</li> </ul>		
<b>d. Cost Estimation</b>	Cost estimate is presented in every way.	<ul style="list-style-type: none"> <li>• Reasonable cost estimates presented</li> <li>• No profitability analysis included.</li> </ul>	<ul style="list-style-type: none"> <li>• Reasonable profitability analysis presented,</li> <li>• No interpretation of the results.</li> </ul>	Profitability analysis need to improvement.		

*(Signature)*



**Rubric (R2): Mid-term Project Evaluation**

Maximum Marks: **40**

Level of Achievement					
Parameters	Excellent (14)	Good (12)	Average (10)	Unacceptable (7)	Score
<b>a.</b>  <b>Design Methodology</b>	<ul style="list-style-type: none"> <li>Division of problem into modules and good computing framework</li> <li>Appropriate design methodology and properly justified</li> </ul>	<ul style="list-style-type: none"> <li>Division of problem into modules and good computing framework</li> <li>Design methodology not properly justified</li> </ul>	<ul style="list-style-type: none"> <li>Division of problem into modules but inappropriate computing framework</li> <li>Design methodology not defined properly.</li> </ul>	<ul style="list-style-type: none"> <li>Partial division of problem into modules and inappropriate computing framework</li> <li>Design methodology not defined properly.</li> </ul>	
<b>b.</b>  <b>Parameters</b>	<b>Excellent (13)</b>	<b>Good (11)</b>	<b>Average (9)</b>	<b>Unacceptable (6)</b>	<b>Score</b>
<b>Planning of Project Work</b>	<ul style="list-style-type: none"> <li>Time frame properly specified and being followed</li> </ul>	<ul style="list-style-type: none"> <li>Time frame properly specified but partly being followed</li> </ul>	<ul style="list-style-type: none"> <li>Time frame properly specified but not being followed</li> </ul>	<ul style="list-style-type: none"> <li>Time frame not properly specified</li> </ul>	
<b>c.</b>  <b>Demonstration and Presentation</b>	<ul style="list-style-type: none"> <li>Objectives achieved as per time frame</li> <li>Contents of presentations are appropriate and well arranged</li> <li>Proper eye contact with audience and clear voice with good spoken language.</li> </ul>	<ul style="list-style-type: none"> <li>Objectives achieved as per time frame</li> <li>Contents of presentations are appropriate but not well arranged</li> <li>Satisfactory demonstration, clear voice with good spoken language but eye contact with audience not proper.</li> </ul>	<ul style="list-style-type: none"> <li>Objectives achieved as per time frame</li> <li>Contents of presentations are appropriate but not well arranged</li> <li>Eye contact with few people and unclear voice.</li> </ul>	<ul style="list-style-type: none"> <li>Objectives not achieved as per time frame</li> <li>Contents of presentations are not appropriate</li> <li>Demonstration not satisfactory.</li> </ul>	



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**Rubric (R3): End Semester Internal Project Evaluation**  
 Maximum Marks: 70

		<b>Level of Achievement</b>				
<b>Parameters</b>	<b>Excellent (10)</b>	<b>Good (8)</b>	<b>Average (6)</b>	<b>Unacceptable (4)</b>	<b>Score</b>	
a. <b>Incorporation of Suggestions</b>	<ul style="list-style-type: none"> <li>Changes are made as per modifications suggested and new innovations added.</li> <li>All defined objectives are achieved</li> <li>Each module working well and properly demonstrated</li> <li>All modules of project are well integrated and system working is accurate</li> </ul>	<ul style="list-style-type: none"> <li>Changes are made as per modifications suggested and good justification.</li> <li>All defined objectives are achieved</li> <li>Each module working well and properly demonstrated</li> <li>All modules of project are not well integrated and system working is not very satisfactory</li> </ul>	<ul style="list-style-type: none"> <li>All major changes are made as per modifications suggested</li> <li>All defined objectives are achieved</li> <li>Modules are working well in isolation and properly demonstrated</li> <li>Modules of project are not properly integrated</li> </ul>	<ul style="list-style-type: none"> <li>Suggestions are not incorporated</li> <li>Only some of the defined objectives are achieved</li> <li>Modules are not in proper working form that further leads to failure of integrated system</li> </ul>		
b. <b>Project Demonstration</b>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate and well delivered</li> <li>Proper eye contact with audience and clear voice with good spoken language</li> <li>Project Report is according to the specified format</li> <li>References and citations are appropriate and well mentioned</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate and well delivered</li> <li>clear voice with good spoken language but less eye contact with audience</li> <li>Project Report is according to the specified format</li> <li>References and citations are appropriate but not mentioned well</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate but not well delivered</li> <li>eye contact with only few people and unclear voice</li> <li>Project Report is according to the specified format but some mistakes</li> <li>Insufficient references and citations</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are not appropriate and not well delivered</li> <li>Poor eye contact with audience and unclear voice</li> <li>Project Report is not prepared according to the specified format</li> <li>References and citations are not appropriate</li> </ul>		
c. <b>Presentation</b>	<ul style="list-style-type: none"> <li>Complete explanation of the key concepts and strong description of the technical requirements of the project</li> <li>Results are presented in very appropriate manner</li> <li>Project work is well summarized and concluded</li> <li>Future extensions in the project are well specified</li> </ul>	<ul style="list-style-type: none"> <li>Complete explanation of the key concepts but insufficient description of the technical requirements of the project</li> <li>Results are presented in good manner</li> <li>Project work summary and conclusion not very appropriate</li> <li>Future extensions in the project are specified</li> </ul>	<ul style="list-style-type: none"> <li>Incomplete explanation of the key concepts and insufficient description of the technical requirements of the project</li> <li>Results presented are not much satisfactory</li> <li>Project work summary and conclusion not very appropriate</li> <li>Future extensions in the project are not specified</li> </ul>	<ul style="list-style-type: none"> <li>Inappropriate explanation of the key concepts and poor description of the technical requirements of the project</li> <li>Results are not presented properly</li> <li>Project work is not summarized and concluded</li> <li>Future extensions in the project are not specified</li> </ul>		
d. <b>Project Report</b>	<ul style="list-style-type: none"> <li>Reports to the guide regularly and consistent in work</li> </ul>	<ul style="list-style-type: none"> <li>Reports to the guide very often but not very consistent</li> </ul>	<ul style="list-style-type: none"> <li>Reports to the guide but lacks consistency</li> </ul>	<ul style="list-style-type: none"> <li>Irregular and inconsistent in work</li> </ul>		
e. <b>Description of Concepts and Technical Details</b>						
f. <b>Conclusion and Discussion</b>						
g. <b>Regularity and Attendance</b>						

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**SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA, (M.P.)**  
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**Rubric (R4): External Project Evaluation**  
 Maximum Marks: **250**

		Level of Achievement				
Parameters	Excellent (50)	Good (40)	Average (30)	Unacceptable (20)	Score	
a. <b>Project Demonstration and Implementation Strategy</b>	<ul style="list-style-type: none"> <li>All defined objectives are achieved</li> <li>Each module working well and properly demonstrated</li> <li>All modules of project are well integrated and system working is accurate</li> </ul>	<ul style="list-style-type: none"> <li>All defined objectives are achieved</li> <li>Each module working well and properly demonstrated</li> <li>Integration of all modules not done and system working is not very satisfactory</li> </ul>	<ul style="list-style-type: none"> <li>All defined objectives are achieved</li> <li>Modules are working well in isolation and properly demonstrated</li> <li>Modules of project are not properly integrated</li> </ul>	<ul style="list-style-type: none"> <li>Only some of the defined objectives are achieved</li> <li>Modules are not in proper working form that further leads to failure of integrated system</li> </ul>		
b. <b>Presentation</b>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate and well delivered</li> <li>Proper eye contact with audience and clear voice with good spoken language</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate and well delivered</li> <li>Clear voice with good spoken language but less eye contact with audience</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are appropriate but not well delivered</li> <li>Eye contact with only few people and unclear voice</li> </ul>	<ul style="list-style-type: none"> <li>Contents of presentations are not appropriate and not well delivered</li> <li>Poor eye contact with audience and unclear voice</li> </ul>		
c. <b>Project Report</b>	<ul style="list-style-type: none"> <li>Project report is according to the specified format</li> <li>References and citations are appropriate and well mentioned</li> </ul>	<ul style="list-style-type: none"> <li>Project report is according to the specified format</li> <li>References and citations are appropriate but not well mentioned</li> </ul>	<ul style="list-style-type: none"> <li>Project report is according to the specified format but some mistakes</li> <li>In-sufficient references and citations</li> </ul>	<ul style="list-style-type: none"> <li>Project report not according to the specified format</li> <li>References and citations are not appropriate</li> </ul>		
d. <b>Technical Knowledge and Awareness related to the Project</b>	<ul style="list-style-type: none"> <li>Extensive Knowledge and awareness related to the project</li> </ul>	<ul style="list-style-type: none"> <li>Fair knowledge and awareness related to the project</li> </ul>	<ul style="list-style-type: none"> <li>Lacks sufficient knowledge and awareness</li> </ul>	<ul style="list-style-type: none"> <li>Poor knowledge and no awareness related to the project</li> </ul>		
e. <b>Results and Future Scope</b>	<ul style="list-style-type: none"> <li>Results are presented in very appropriate manner</li> <li>Project work is well summarized and concluded</li> <li>Future extensions in the project are well specified</li> </ul>	<ul style="list-style-type: none"> <li>Results are presented in good manner</li> <li>Project work summary and conclusion not very appropriate</li> <li>Future extensions in the project are specified</li> </ul>	<ul style="list-style-type: none"> <li>Results presented are not much satisfactory</li> <li>Project work summary and conclusion not very appropriate</li> <li>Future extensions in the project are not specified</li> </ul>	<ul style="list-style-type: none"> <li>Results are not presented properly</li> <li>Project work is not summarized and concluded</li> <li>Future extensions in the project are not specified</li> </ul>		



**SAMRAJ ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA, (M.P.)**  
 Department of Electronics Engineering  
 Program- Electronics and Communication Engineering

**Best Major Project Evaluation Scheme (B. Tech.)**

**Maximum Marks: 100**

S. No.	Sch. No.	Name of student	Title of the Project	Organization of the Report	Working Model	Presentation	Contemporary Issues	Cost Effectiveness	Application	Future scope	Possibility of Commercialization	Innovation	Effective Solution to Problem	Total
				Marks →	10	15	10	10	10	5	5	15	10	100

**Best project evaluation scheme:** On the basis of following points best project is selected

- Organization of the report
- Working model
- Presentation
- Contemporary issue
- Cost effectiveness
- Application
- Future scope
- Possibility of commercialization
- Innovation
- Effective Solution to Problem

**Dr. Ashutosh Datar**  
 Head of the Department  
 Head

Dept. of Electronics Engg  
 S.A.T.I. (Engg Collge  
 Vidisha