

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225

Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF CIVIL ENGINEERING

Assessment Year

Quality of student projects

- Project identification, allotment of guides, continuous monitoring, and evaluation

The students carry out their project work in the VII and VIII semester. The Department follows standard procedures to ensure that students do a quality project. The students are encouraged to do project work on real world examples and to solve problems of society. Appropriate methodologies are in place to monitor the project work continuously till the end of the project. At the end of the project, students are encouraging to publish paper in Journals and conferences.

Project Group:

- Students are allowed to form forums consisting of minimum two or maximum of four members.
- If the students are not able to form the group, then the project coordinator will help them to form the group.

Project Identification and Guide Allocation Process:

- The project coordinator instructs the students to identify the project titles and submit the synopsis adhere to the timelines decided by the HOD.
- Some of the areas identified by faculty and project coordinator of the department are:

Sl. No.	NAME	Areas of expertise
1	MR.H AJITH HEBER	WATER RECOURSE
2	Mr. SHANKARGIRI K S	HIGHWAY ENGINEERING
3	Dr. UMESHCHANDRA H G	GEOLOGY/WATER RECOURSE
4	Mr. RAMESH RAO B	CONSTRUCTION MANAGEMENT
5	Mrs. RASHMI H	STRUCTURAL ENGINEERING
6	Mr. SANTHOSH K	STRUCTURAL ENGINEERING
7	Mrs. VEENA SAVANTH	ENVIRONMENT ENGINEERING
8	Mr. SHWETHA K	STRUCTURAL ENGINEERING
9	Mr. ADITYA TANTRY	HIGHWAY ENGINEERING
10	Mr. SURENDRA P	STRUCTURAL ENGINEERING
11	Ms. SWATHI	STRUCTURAL ENGINEERING
12	Ms. AISHWARYA LAKSHMI	CONSTRUCTION MANAGEMENT
13	Mr. ARUN KUMAR G S	STRUCTURAL ENGINEERING
14	Ms. SNEHA PALLED	GEOTECHNICAL ENGINEERING
15	Ms. AKSHATHA S P	STRUCTURAL ENGINEERING
16	Mr. H C M SWAMY	STRUCTURAL ENGINEERING



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17	Mr. HEMANTH TUNGA	HIGHWAY ENGINEERING
18	Mr. SANJAY	ENVIRONMENTAL ENGINEERING

- The project coordinator classifies the projects into application, product. Research and review and maps the POs and PSOs considering the factors such as environment, safety, ethics, cost and standards.
- Based on the students chosen area, faculty competency and relevant area of interest is allotted as a guide.
- Students can Choose/come out with a problem for the execution of the project. If they are not able to come out with problem, then the faculty member will give a problem to the students for execution of the project work.
- If the students are doing project at industry, then they need to consult with internals as well as external guide towards Implementation of project.

Continuous Monitoring

Table 1.1 Project Execution Schedule

Phase	Description	Date
Phase-1	Project synopsis/Proposal/Literature survey Presentation	III week of November
Phase-2	Midterm Project Evaluation	III week of February
Phase-3	End Semester Project Evaluation and draft copy of report submission Guide Evaluation	II week of May
External Evaluation		I-II week of June

- The project guide/ program coordinator will give suggestions towards the improvements of the synopsis.
- Based on inputs (suggestions from guide), students have to start their project work.
- All the students must report to their internal guides on weekly basis regarding of their project work.
- Students should give a presentation to the Project Review Committee at the end of every month (February, March, April) as per the schedule given in table 2.2.3.1 The committee gives suggestion at the end of the presentation to improve the quality of the work and evaluates the projects based on the project rubrics.
- Three project internal reviews are conducted for each batch. After the three reviews, instructions are given to write the Project Report as per the guidelines prescribed by the VTU.



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Rubrics for Project Internal Evaluation

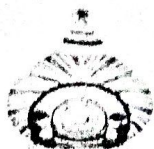
- Tables 2.2.3.2 to table 2.2.3.7 shows the rubrics used for internal evaluation of the final semester academic project carried out by students. Individual/ Team performance evaluation is based on interaction with guide, Presentation, Viva-Voce.

Table 1.2 Rubrics for final Semester Project Internal Evaluation

Rubrics	Criteria for Evaluation	Marks
Phase-1	Project synopsis/Proposal/Literature survey Presentation	25
Phase-2	Midterm Project Evaluation	25
Phase-3	End Semester Project Evaluation and draft copy of report submission	25
	Guide Evaluation	25
Overall Weightage		Final Marks=Guide evaluation + Project Coordinator Marks(Phase 1 to 4)

Table 1.3 Rubrics# Phase-1: Maximum Marks: 25

Parameters	Allocated Marks	High (9-10)/ (5)	Medium (4-8)/ (3-4)	Low (0-3)/(0-2)
Identification of Problem Domain and Detailed Analysis Presentation	10	Detailed and extensive explanation of the Purpose and need of the project	Average explanation of the purpose and need of the project;	Minimal explanations to the purpose and need the project
Study of the Existing and Feasibility of Project Proposal	10	Detailed and Extensive explanation of the specifications and the limitations of the existing systems	Moderate study of the Existing systems; Collects some basic Information	Minimal explanation the specifications the limitations of existing system incomplete information



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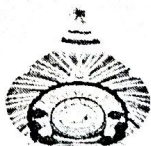
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Objective and Methodology of the Proposed Work	05	All objective of the proposed work are well defined; Steps to be followed to solve the defined problems are clearly specified	Average justification to the objectives propose; Steps are mentioned but Not clear; without justification to objectives	Objectives of the proposed work and either not indentified or
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Table 1.4.Rubrics#Phase-2: Maximum marks:25

Parameters	Allocated Marks	High (9-10)/ (5)	Medium (4-8)/ (3-4)	Low (0-3)/(0-2)
Demonstration & Presentation	10	Detailed and extensive explanation of the purpose and need of the project	Average explanation of the purpose and need of the project;	Minimal explanation of the purpose and need of the project
Phase- 2 Report	10	Detailed and extensive explanation of the specifications and the limitations of the existing systems	Moderate study of the existing systems; Collects some basic information	Minimal explanation of the specification and the limitations of the existing systems incomplete information
Viva	05	All objectives of the proposed work are well defined; steps to solve the defined problem are clearly specified	Average justification to the objectives proposed; steps are mentioned but not clear; without justification to objectives	Objectives of the proposed work are either not identified or not will defined; Incomplete and Improper specification



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Table: 1.5 Rubric#Phase-3; Maximum marks: 50

Parameters	Allocated Marks	High 10-15	Medium 5-9	Low 0-4
Relevance of the project and problem formation	10	All objectives of the proposed work are well defined: Steps to be followed to solve the defined problem are clearly specified	Average justification to the objectives proposed: Steps are mentioned but not clear: without justification to objectives	Objectives of the proposed work are either not identified or not work defined: Incomplete and improper specification
Project Demonstration	10	Detailed and extensive explanation of the purpose and need of the project	Average explanation of the purpose and need of the project;	Minimal explanation of the purpose and need of the project
Presentation	10	Contents of presentation are appropriate manner and well delivered. Proper eye contact with audience and clear voice with good language	Contents of presentation are appropriate but not well delivered. Eye contact with few people and unclear voice	Contents of presentation are not appropriate and not well delivered. Poor delivery of presentation
Obtained Result	10	Results are presented in appropriate manner, project work is well summarized and concluded, future extension in the project	Results presented are satisfactory, project work summary and conclusion not very appropriate, future extension in the project	Results are not presented properly, project work is not summarized and concluded, future scop in the project are not specified
Project Report	10	Project report is according to the specified format, references are appropriate	Project report is according to the specified format, but not well prepared, references are missing	Project report not prepared according to the specified format, references are not appropriate


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