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|---|---|---|---|
| NAME OF STUDENT | | | |
| STUDENT MATRIC NO. | | ACADEMIC SESSION | |
| DEPARTMENT / COURSE | | | |
| TITLE OF PROJECT | | | |
| NAME OF SUPERVISOR | | | |

**PANEL EVALUATION (60%)**

Scale from 1 (very poor) to 10 (very good)

**PANEL 1 & 2**

| 1 | Presentation (30%) | Scale |
|---|---|---|
| PR1 | Effective delivery of ideas | 10 9 8 7 6 5 4 3 2 1 |
| PR2 | Poster | 10 9 8 7 6 5 4 3 2 1 |
| PR3 | Project Functionality | 10 9 8 7 6 5 4 3 2 1 |
| PR4 | Project Implementation | 10 9 8 7 6 5 4 3 2 1 |

**PANEL 1 & 2**

| 2 | Report Evaluation (30%) | Scale |
|---|---|---|
| RE1 | Abstract | 10 9 8 7 6 5 4 3 2 1 |
| RE2 | Chapter 1: Introduction - Project Background | 10 9 8 7 6 5 4 3 2 1 |
| RE3 | Chapter 1: Introduction - Problem Statement | 10 9 8 7 6 5 4 3 2 1 |
| RE4 | Chapter 1: Introduction - Objectives | 10 9 8 7 6 5 4 3 2 1 |
| RE5 | Chapter 1: Introduction - Scope | 10 9 8 7 6 5 4 3 2 1 |
| RE6 | Chapter 2: Literature Review | 10 9 8 7 6 5 4 3 2 1 |
| RE7 | Chapter 3: Methodology | 10 9 8 7 6 5 4 3 2 1 |
| RE8 | Chapter 4: Results | 10 9 8 7 6 5 4 3 2 1 |

| | | |
|---|---|---|
| RE9 | Chapter 4: Analysis of Results | 10 9 8 7 6 5 4 3 2 1 |
| RE10 | Chapter 5: Conclusion | 10 9 8 7 6 5 4 3 2 1 |
| RE11 | Chapter 5: Recommendation | 10 9 8 7 6 5 4 3 2 1 |
| RE12 | Project Potential | 10 9 8 7 6 5 4 3 2 1 |
| RE13 | Citation and References | 10 9 8 7 6 5 4 3 2 1 |
| RE14 | Report formatting | 10 9 8 7 6 5 4 3 2 1 |
| RE15 | Language | 10 9 8 7 6 5 4 3 2 1 |

Note:

1. The evaluated marks should be key in into Microsoft Forms
2. This form does not need to be submitted elsewhere

## PRESENTATION (30%)

| (PR1) Effective delivery of ideas (Weightage: 1.50) | PLO10: Communications<br>*TA5: Familiarity* |
|---|---|
| Displays excellent familiarity of the project through effective delivery of ideas. | 10 9 |
| Displays good familiarity of the project through effective delivery of ideas. | 8 7 6 |
| Displays fair familiarity of the project through effective delivery of ideas. | 5 4 3 |
| Displays poor familiarity of the project with non-effective delivery of ideas. | 2 1 |
| No presentation. | 0 |
| **(PR2) Poster (Weightage: 1.50)**<br>***(Elements: Project title, introduction, problem statement, objectives, methodology, results and analysis, conclusion and SDG related logo )*** | **PLO10: Communications**<br>***TA2: Level of interactions***<br>***TA3: Innovation*** |
| Excellent presentation of project ***innovation*** where all the required ***elements*** are clearly visible, organized, and relevant. | 10 9 |
| Good presentation of project ***innovation*** where most of the required ***elements*** are clearly visible, organized, and relevant. | 8 7 6 |
| Fair presentation of project ***innovation*** where some of the required ***elements*** are clearly visible, organized, and relevant. | 5 4 3 |
| Poor presentation of project ***innovation*** where few of the required ***elements*** are clearly visible, organized, and relevant. | 2 1 |
| No poster is presented. | 0 |
| **(PR3) Project Functionality (Weightage: 4.00)**<br>***(Elements: Meets project objectives and scope of works)***<br>****Students are advised to provide recorded video presentation*** | **PLO5: Modern tools**<br>**SP1,SP3,SP4** |
| Excellent functioning project | 10 9 |
| Good functioning project | 8 7 6 |
| Fair functioning project | 5 4 3 |
| Poor functioning project | 2 1 |
| No demonstration is provided | 0 |
| **(PR4) Project Implementation (Weightage: 3.00)**<br>***(Elements:* appropriate techniques, resources, and engineering tools*)*** | **PLO5: Modern tools**<br>**SP1,SP3,SP4** |
| Demonstrates excellent ability to consider variety of elements to develop the product/project. | 10 9 |
| Demonstrates good ability to consider variety of elements to develop the product/project | 8 7 6 |
| Demonstrates fair ability to consider variety of elements to develop the product/project | 5 4 3 |

| | |
|---|---|
| Demonstrates poor ability to consider variety of elements to develop the product/project | 2 \| 1 |
| No demonstration is provided | 0 |

*** SP1, SP3, SP4 – the preliminary results should display engineering knowledge (SP1) with well-proven analysis techniques and models (SP3) which belong to families of familiar problems (SP4)**

***TA1-2, TA 4-5- The proposed work of the student shall consider a variety of resources (TA1), occasional interaction of conflicting requirements (TA2) and have reasonably predict consequences (TA4) and the methodology used to develop the work should apply the knowledge of normal operating procedures and processes in the related discipline (TA5). Such proposed work should subsequently reflect in the report written proposal, presentation as well as the work progress. Such broadly defined engineering activities shall be able to demonstrate the effectiveness of communication skills related to PLO9.**

## REPORT EVALUATION (30%)

| **(RE1) Abstract (Weightage: 0.50)**<br>***(Items: Background, problem statement, objectives, expected outcome/result, conclusion)*** | **PLO2: Problem solving SP1,SP2,SP3,SP4** |
|---|---|
| Excellently written abstract, clear, and concise, providing all items stated above. | 10 9 |
| Good written abstract with minimum missing items. | 8 7 6 |
| Fairly written abstract with partially missing items. | 5 4 3 |
| Poorly written abstract with many missing items. | 2 1 |
| No abstract is provided. | 0 |
| **(RE2) Chapter 1: Introduction**<br>**Project Background (Weightage: 0.35)**<br>***(Items: rationale, key problem statement and a brief overview of the project)*** | **PLO1:Knowledge** |
| Excellently written project background, clear and providing all items stated above. | 10 9 |
| Good written project background with minimum missing items. | 8 7 6 |
| Fairly written project background with partially missing items. | 5 4 3 |
| Poorly written project background with many missing items. | 2 1 |
| No project background is provided. | 0 |
| **(RE3) Chapter 1: Introduction**<br>**Problem Statement (Weightage: 0.50)**<br>***(Items: explanation of an issue or challenge that you want to solve, solution that you want to propose, why it is important, and who it impacts (stakeholders) and support related regulations/policies.*** | **PLO2: Problem solving SP1,SP2,SP4** |
| Excellently defined and described with high clarity. | 10 9 |
| Well defined and described with minimum missing items. | 8 7 6 |
| Fairly defined and described with partially missing items. | 5 4 3 |
| Poorly defined and has some ambiguity or missing important items. | 2 1 |
| Problem statement is not provided. | 0 |
| **(RE4) Chapter 1: Introduction**<br>**Objectives (Weightage: 0.50)**<br>***(Items: maximum 3 objectives that includes design, development and analysis)*** | **PLO3: Provide solution SP1,SP4** |
| Excellently defined and described with high clarity. | 10 9 |

| | |
|---|---|
| Well defined and described with minimum missing items. | 8 7 6 |
| Fairly defined and described with partially missing items. | 5 4 3 |
| Poorly defined and has some ambiguity or missing important items. | 2 1 |
| Objective is not provided. | 0 |
| **(RE5) Chapter 1: Introduction**<br>**Scope (Weightage: 0.40)**<br>***(Items: limitations and boundaries of your project including method, resources, tools, experimental setup, etc)*** | **PLO3: Provide solution**<br>**SP1,SP4** |
| Excellently defined and described with high clarity. | 10 9 |
| Well defined and described with minimum missing items. | 8 7 6 |
| Fairly defined and described with partially missing items. | 5 4 3 |
| Poorly defined and has some ambiguity or missing important items. | 2 1 |
| Scope is not provided. | 0 |
| **(RE6) Chapter 2: Literature Review (Weightage: 1.25)**<br>***(Items: investigation into existing systems/techniques/technology that are closely related to the project and comparisons between them are provided)*** | **PLO1: Knowledge** |
| Excellent investigation. | 10 9 |
| Relevant and sufficient investigation. | 8 7 6 |
| Slightly relevant investigation. | 5 4 3 |
| Very poor investigation. | 2 1 |
| Literature review is not provided. | 0 |
| **(RE7) Chapter 3: Methodology (Weightage: 1.40)**<br>***(Items: Methodology should include the design of procedure which implies the process of the hardware and/or software implementation suitable for the project)*** | **PLO5: Tools and techniques**<br>**SP1,SP2,SP4,SP5** |
| Excellent design of procedure. | 10 9 |
| Good design of procedure. | 8 7 6 |
| Fair design of procedure. | 5 4 3 |
| Poor design of procedure. | 2 1 |
| Methodology is not provided. | 0 |
| **(RE8) Chapter 4: Results (Weightage: 1.40)**<br>***(Results produced from the simulation or/and experiments are relevant to the project objectives and scope)*** | **PLO4:Investigation**<br>**SP1, SP3** |
| Excellent explanation of results. | 10 9 |
| Good explanation of results. | 8 7 6 |

| | |
|---|---|
| Fair explanation of results. | 5 4 3 |
| Poor explanation of results. | 2 1 |
| Rresult is not provided. | 0 |
| **(RE9) Chapter 4: Analysis of results (Weightage: 1.70)** | **PLO4:Investigation SP1, SP3,SP4** |
| Excellent analysis and discussion of results | 10 9 |
| Good analysis and discussion of results | 8 7 6 |
| Fair analysis and discussion of results | 5 4 3 |
| Poor analysis and discussion of results | 2 1 |
| No analysis of results is presented | 0 |
| **(RE10) Chapter 5: Conclusion (Weightage: 0.50)** ***(Items: summarize current progress based on project objectives and project planning to accomplish all the objectives)*** | **PLO4: Investigation SP1,SP3,SP4** |
| Excellent conclusion. | 10 9 |
| Good conclusion. | 8 7 6 |
| Fair conclusion. | 5 4 3 |
| Poor conclusion. | 2 1 |
| No conclusion has been provided. | 0 |
| **(RE11) Chapter 5: Recommendation (Weightage: 0.25)** | **PLO3: Develop of solutions SP1,SP4** |
| Excellent recommendations for future works. | 10 9 |
| Good recommendations for future works. | 8 7 6 |
| Fair recommendations for future works. | 5 4 3 |
| Poor recommendations for future works. | 2 1 |
| No recommendation for future works has been made. | 0 |
| **(RE12) Project Potential (Weightage: 0.25)** **(Elements : Project commercialization potential or practical application or community need)** | **PLO6: Society** |
| Excellent explanation. | 10 9 |
| Good explanation. | 8 7 6 |
| Fair explanation | 5 4 3 |
| Poor explanation | 2 1 |
| No explanation | 0 |
| **(RE13) Citation and References (Weightage: 0.25)** ***(Items: Minimum 20 references, reliable, minimum 30% are published in the last 5 years.*** | **PLO1: Knowledge** |

| *ALL references MUST be cited in the report)* | |
|---|---|
| All items are met. | 10 9 |
| 50% to 75% of the items are met. | 8 7 6 |
| 25% to 50% of the items are met. | 5 4 3 |
| 25% of the items are met. | 2 1 |
| No references are provided. | 0 |
| **(RE14) Report formatting (Weightage: 0.25)**<br>***(Items: Report formatting includes citation, formatting, etc)*** | **PLO1: Knowledge** |
| Fully followed the standard format. | 10 9 |
| Mostly followed the standard format. | 8 7 6 |
| Partially followed the standard format. | 5 4 3 |
| Minimally followed the standard format. | 2 1 |
| Does not follow the standard format. | 0 |
| **(RE15) Language (Weightage: 0.50)**<br>***(Items: Content is clear, concrete, specific, precise and direct. Use correct grammar, spelling and punctuation.)*** | **PLO1: Knowledge** |
| Excellently written report. | 10 9 |
| Well written report. | 8 7 6 |
| Fairly written report. | 5 4 3 |
| Poorly written report. | 2 1 |
| Very poorly written report. | 0 |

**In general, the final year project report of the students should cover the related knowledge profile as required by ETAC Standard 2024 as below:**

***SP1- Students' proposal report should utilize fundamental engineering knowledge along with the application of specialist knowledge for the proposed work. (Problem statement, objective, scope, methodology, preliminary result)**

***SP2- The proposed work needs to consider a variety of factors which may impose conflicting constraints, such as the required technical specification and the limited budget available. Such limitations shall be identified and reported in the literature review section. (Problem statement & Methodology)**

***SP3 - The proposed work should be demonstrated by the application of well-proven analysis techniques and be able to solve in well accepted ways. (Problem statement, scope, methodology, preliminary result)**

*** SP4 - The proposed work belongs to families of familiar problems which are solved in well-accepted ways (Problem statement, scope, methodology)**

*** SP5 - The proposed work address problems that may be partially outside those encompassed by standards or codes of practice (Methodology)**