Name of Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title of the Project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Main Supervisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Co-Supervisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I/We as the Panel for Evaluation of Project 2 for the above student, have evaluated the Student’s Project 2 Report for the MSc (Computer Systems Engineering) and arrived at the decision as stated below:-

*The Project 2 Report is accepted with amendments and MUST be corrected and submitted before the deadline as stated in the academic calendar. (Needs approval from the supervisor) (>=60%)*

*The Project 2 Report is rejected (the reasons for rejection are given below)*

*The student needs to be reassessed in the following semester.*

*Reason: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

Examiner 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature: ­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examiner 2:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature: ­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Outcomes** |  |  |  |
| **No.** | **Course Learning Outcomes** | **Programme Outcome(s)** | **Taxanomies****(C,P,A)** | **Assessment Methods** |
| CO1 | **Conclude** the project successfully | **PO1** | **C6** | **Report, Pr** |
|
| CO2 | **Construct** the system or solution for the project | **PO2** | **P7** | **Report, Pr** |
|  |
| CO3 | **Relate** the solution that can be implemented in the related industry | **PO6** | **A5** | **Report, Pr** |
| **KK1** |
| CO4 | **Organise** clearlythe proposed solution by adhering to the UTM Thesis Writing Guideline. | **PO3****PO5** | **A5****CS1-CS6** | **Report, Pr** |
| **LL1-LL2** |
| CO5 | **Propose** the method or solution for the problem | **PO6** | **A5** | **Report, Pr** |
| **LS1-LS2** |
| CO6 | **Practice** the ethical behaviour in completing and presenting the project | **PO4** | **A5****EM1-EM3** | **Report, Pr** |

1. **Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1. Title**  | Informative, succinct, and offer sufficiently specific details about the educational issue, variables, context, and proposed methods of the study. | Relevant, offering details about the proposed research study. | Lacks relevance or fails to offer appropriate details about the educational issue, variables, context, or methods of the proposed study. | Inappropriate given the problem, research questions, and method. | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **2. Introduction:****Problem,****Significance,** **Purpose of the****Study**  | Articulates a specific, significant problem by connecting that problem to the literature. Statements of purpose flows logically from the introduction. The research problem and the statement of significance clearly establishes relevance to the research topic | Identifies a relevant research issue. Connections establishedwith the literature. | Although a research issue is identified, the statement is toobroad or the description fails toestablish the importance of theproblem area. Connections to theliterature are unclear, debatable,or insignificant. | Statement of the problem,significance, purpose, questions/hypotheses, or definitions of constructs andvariables were omitted orinappropriate. | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **3. Introduction:****Research Objectives,****Research****Questions,****Assumptions,****Limitations**  | Articulates clear, reasonable, and succinct research objectives and questions given the purpose, design, and methods of the proposed study. A thorough, reasonable discussion of assumptions and limitations is provided. All elements are mutually supportive. | Research objectives and research questions are stated, connected to the research issue, and supported by the literature. Constructs (if available) have been identified and variables have been operationally defined.Assumptions and limitations arepresent. | Elements are poorly formed,ambiguous, or not logically connected to the description of the problem, purpose, or researchmethods. | Research objectives, research questions, assumptions and limitations were omitted or inappropriate given the context, purpose, or methods of the study. | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **4. Literature Review:****Organization**  | Structure is intuitive and sufficiently grounded to each of the key constructs and variables of the proposed study. | A workable structure has beenpresented for presenting relevantliterature related to the constructs and variables of the proposed study. | The structure of the literature review is weak; it does not identify important ideas, constructs or variables related to the research purpose, questions, or context. | The structure of the literature review is incomprehensible, irrelevant, or confusing. | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **5. Literature Review:** | Narrative integrates critical and logical details from the peer-reviewed theoretical and research literature.Attention is given to differentperspectives, conditionalities, threats to validity, and opinion vs. evidence. | Key constructs and variables were connected to relevant, reliable theoretical and research literature. | A key construct or variable wasnot connected to the researchliterature. Selected literature wasfrom unreliable sources. Literarysupports were vague orambiguous. | The review of literature wasmissing or consisted of nonresearch based articles.Propositions were irrelevant, inaccurate, or inappropriate. | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **6. Research Methodology: Operational Framework****and research design** | The purpose, questions, and design are mutually supportive and coherent.Attention has been given to eliminating alternative explanations and controllingextraneous variables. Appropriate and important limitations and assumptions have been clearly stated. | The research design has beenidentified and described in sufficiently detailed terms. Somelimitations and assumptions havebeen identified. | The research design is confusingor incomplete given the researchquestions and sampling strategy.Important limitations and assumptions have not beenidentified | The research design isinappropriate or has notbeen identified and ordescribed using standardterminology. Limitations andassumptions are omitted. | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **7. Research Methodology: Procedures** | Procedures were thorough,manageable, coherent, and powerful for generating valid and reliable data.  | Procedures for implementing the study were identified and described in a chronologicalfashion. | Procedures were confusing, incomplete, or lacked relevance to purpose, research objectives or research questions | Procedures were omitted | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **8. Research Methodology: the proposed solution can be implemented in the related industry**  | The proposed solution is **very suitable** to be implemented in related industry | The proposed solution is **suitable** to be implemented in related industry | The proposed solution is **less suitable** to be implemented in related industry. | The proposed solution is **not suitable** to be implemented in related industry | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **9. Experimental work, analysis and discussion** | * Data analysis is clear, thorough, and appropriate to the research.
* Findings are presented clearly, ignoring unimportant results and highlighting the most significant ones.
 | * Data analysis is less clear, less thorough, and less appropriate to the research.
* Findings are presented less clearly, ignoring unimportant results and highlighting the most significant ones.
 | * Few/Some of Data analysis is missing, unclear, simplistic, or biased.
* Few/Some of the Analysis is unrepresentatively selective or unrelated to the research question.
 | * Data analysis is missing, unclear, simplistic, or biased.
* Analysis is unrepresentatively selective or unrelated to the research question.
 | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **10. Conclusion: logical and defensible conclusions, novel contribution and recommendations for future works** | * Conclusions and novel contributions are present, logical, related to the research question, supported by argument and evidence.
* Recommendations for future works are very clear
 | * Some of the Conclusions and novel contributions are present, logical, related to the research question, supported by argument and evidence.
* Recommendations for future works are clear
 | * Few/Some of the Conclusions and novel contributions are missing, unclear, illogical, irrelevant to the research question, or unsupported by argument or evidence.
* Recommendations for future works are less clear
 | * Conclusions and novel contributions are missing, unclear, illogical, irrelevant to the research question, or unsupported by argument or evidence.
* Recommendations for future works are not clear
 | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **11. Report: References/Citations, English Composition, & Comply to UTM Thesis Manual Writing** | * Consistently complied to thesis manual guidelines,
* English composition, and References especially in regards to citations, references, headings, table of contents, and page numbers.
* Similarity index for each chapter is < 5%
 | * Conformed to most standards of English composition and thesis manual guidelines.
 | * Weak, incomplete, ambiguous, or inconsistent application of thesis manual guidelines, report organization, rules of English composition.
* Delivery was delinquent.
 | * Failure to apply standard rules for report presentation, references/citations and English composition.
* Delivery was weak.
 | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **12. Report:** **Use of variety of sources****Similarity Index < 20% for each chapter.** | * Sources are varied, high quality, pertinent, sufficient, and include primary sources where possible.
* Similarity index for each chapter is < 5%
 | * Sources are varied, good quality, and include primary sources where possible.
* Similarity index for each chapter is between 6% - 10%
 | * Sources are less varied, less quality, and include primary sources where possible.
* Similarity index for each chapter is between 11% -15%
 | * Sources are not varied, poor quality
* Similarity index for each chapter is between 16% -20%
 | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |

**Mark 1 (Report): \_\_\_\_\_\_ X 70% = \_\_\_\_\_ %**

 **120**

1. **Oral Presentation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1. Communicate clearly and****effectively in defending the project****.** | A thorough and clear presentation of the research,speaks well, and engages theaudience. Presenter respondsconfidently and thoroughly to critical questions or feedback, enhancing the audience’s understanding of the project. | Clear and good presentation.Speaks good and engages the audience.  | Weak organization and not clear of the presentation of the research.Not clear in communicating key points and weak engage with the audience.  | Disorganized.Presenter speaks poorly or simply reads from a text, fails to communicate key points, does not engage the audience, and/or does not respond to critical questions or feedback. | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **2. Content** | * Clearly defines the topic or

thesis and its significance.* Supports the thesis and key

findings with an analysis ofrelevant and accurate evidence* Provides evidence of extensive and valid research with multiple and varied sources
* Provides evidence of complex problem solving and learning stretch.
* Combines and evaluates existing ideas to form new insights.
 | * Clearly defines the topic or

thesis.* Supports the thesis and key

findings with evidence.* Presents evidence of valid

research with multiple sources.* Provides evidence of problem

solving and learning stretch.* Combines existing ideas to form new insights.
 | * Defines the topic or thesis.
* Supports the thesis with

evidence.* Presents evidence of research

with sources.* Provides some evidence of

problem solving and learning stretch.* Combines existing ideas.
 | * Does not clearly define the topic or thesis.
* Does not support the thesis with evidence.
* Presents little or no evidence of valid research.
* Shows little evidence of problem solving and learning stretch.
* Shows little evidence of the combination of ideas.
 | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |
| **3. Eye contact, graphics and mechanics** | * Presenter maintains eye contact with audience, seldom returning to notes.
* Presenter’s graphics explain and reinforce screen text and presentation.
* Presentation has no misspellings or grammatical errors.
 | * Presenter maintains eye contact most of the time but frequently returns to notes.
* Presenter’s graphics relate to text and presentation.
* Presentation has no more than two misspellings and/or grammatical errors.
 | * Presenter occasionally uses eye contact, but still reads most of report.
* Presenter occasionally uses graphics that rarely support text and presentation.
* Presentation has three misspellings and/or grammatical errors.
 | * Presenter reads all of report with no eye contact.
* Presenter uses superfluous graphics or no graphics
* Presenter ‘s presentation has four or more spelling errors and/or grammatical errors.
 | Rating |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
| Comments: |

**Mark 2 (Presentation) = \_\_\_\_\_\_ X 30% = \_\_\_\_\_\_ %**

 **30**

**Total = Mark 1 + Mark 2 = \_\_\_\_\_\_\_ %**