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| --- | --- |
| **Cover Page** | **Provided by the university** |
| **Declaration** | **Provided by the university** |
| **Abstract** | * **Single Paragraph** * **Should briefly discuss about the following:** * **Purpose of the study;** * **Principal Results;** * **Major Conclusion.** |
| **Acknowledgement** | **Acknowledging individuals / Groups / Organizations who assisted to fulfill a success project** |
| **List of Figures** | * **All the figures should be indicated with a number and a caption** |
| **List of Tables** | * **All the tables should be indicated with a number and a caption** |
| **List of Equations** | * **All the equations should be indicated with a number and a caption** |
| **Chapter 01 – Introduction** | **Descriptive discussion on 1.1, 1.2, 1.3, 1.4, 1.5** |
| **1.1 Background** | * The background of your study will provide context to the information discussed throughout the project. Background information may include both important and relevant studies. It links introduction to your project topic and ensures a logical flow of ideas. |
| **1.2 Aims of the Project** | * Aims of the project should be stated in a multiple single line structure * Aim to discover new phenomena and create new technologies, based on principles and rules in natural phenomena and pursuit of truth in each engineering field. |
| **1.3 Academic Questions and Objectives** | Should cover 1.3.1, 1.3.2, 1.3.3, 1.3.4 |
| **1.3.1 Academic Questions** | * Should be a single question (Main Academic Question) and multiple Sub Academic Questions format **OR**  Multiple Academic Questions (Will be instructed by the Supervisor) * A research question is a clear, focused, concise, complex and arguable question around which you center your research |
| **1.3.2 Objectives** | * The section comprises general answers for the Sub Academic Question or Academic Questions * Should match the order of the sub academic question |
| **1.4 Scope** | * The extent of the area or subject matter that something deals with or to which it is relevant |
| **1.5 Structure of the Report** | * A brief discussion on the areas that will be discussed in the document. Chapter wise discussion is expected |
| **Chapter 02 – Literature Review** | Should cover 2.1, 2.2 |
| **2.1 Introduction** | General description on where the literature was found in the area of the project. |
| **2.2 Similar Projects** | Harvard referencing should be used and should discuss broadly about the similar projects found, functionalities of the indicated projects and its limitations. Need at least 30 discussions to be made |
| **Chapter 03 – Methodology** | * **The section various upon the methodology that is going to be used. The indicated is the Prototype methodology** * **In this section the student should very briefly discuss the phase of the writing and should be descriptive on how the particular phase is going to be built** |
| **3.1 Planning** | Why and how the project should be built will be discussed |
| **3.1.1 Identifying Business Values** | Stakeholders and prospects who will benefit from the project will be discussed |
| **3.1.2 Feasibility Analysis** | An assessment of the practicality of a proposed plan or project |
| **3.1.2.1 Technical Feasibility** |  |
| **3.1.2.2 Financial Feasibility** |  |
| **3.1.2.3 Organizational Feasibility** |  |
| **3.1.2.4 Legal Feasibility** |  |
| **3.1.3 Work Plan** | Work Break Down structure to be discussed |
| **3.2 Analysis and Requirement Gathering** | Should cover 3.2.1 and 3.2.2 |
| **3.2.1 Analysis** | Identified requirements for the project should be discussed |
| **3.2.2 Requirement Gathering** | Primary and Secondary data gathering methods which are been used should be discussed |
| **3.3 Designing** | Should cover 3.3.1, 3.3.2, and 3.3.3. How the system will operate will be discussed |
| **3.3.1 Physical Design** | DFD and other logical diagrams to be indicated and discussed |
| **3.3.2 Architecture Design** | Detail architecture of the project should be discussed |
| **3.3.3 Interface Design** | User Interface design and how it is linked with each other to be discussed |
| **3.4 Implementation** | How the system was implemented using Component and Deployment diagrams to be discussed |
| **3.5 Testing** | Should cover 3.5.1, 3.5.2, and 3.5.3 |
| **3.5.1 Unit Testing** | Testing of single modules to be verified and setup in an error free environment to be discussed |
| **3.5.2 Integration Testing** | Focus on testing whether the set of modules function together without error is to be discussed. |
| **3.5.3 System Testing** | Verify whether the system has met both functional and non-functional requirements. |
| **Chapter 04 – Artifact** | **Should cover 4.1, 4.2, and 4.3. Evidence of the related area regards to the project implementation to be indicated and discussed in details** |
| **4.1 Academic Findings** | Answering to the academic questions should be indicated in detail |
| **4.2 Sample Code** | Important source code to be discussed |
| **4.3 Test Cases** | Test case, sequence, test description, input value/s, and expected result/s to be discussed with screenshot evidence |
| **Chapter 05 – Conclusion** | **Should cover 5.1, 5.2, and 5.3.** |
| **5.1Important Outcome** | Important findings of the project to be discussed in general format |
| **5.2 Limitation** | Scope achieved and could not be achieved to be discussed in detail |
| **5.3 Critical Evaluation** | Specific findings that are going to be important to the research community to be discussed |
| **5.4 Future Work** | Expansions that can be achieved to be discussed. |
| **References** | **In text citations should be referred from Harvard Referencing Style** |
| **Bibliography** | **Additional reading / research conducted which are not included in text should be indicated** |
| **Appendix – A: User Manual** |  |
| **Appendix – B: Diagrams** |  |
| **Appendix – C: Coding** |  |
| **Appendix – D: Other** |  |