**TECHNO INDIA UNIVERSITY**

**(B.SC IT-CTIS)**

**Format for Major Project Report**

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| **Chapter 1** | | **Introduction** | | | **Page** |
|  | 1.1 | Introduction to Project | | |  |
|  | 1.2 | Project category | | |  |
|  | 1.3 | Objectives | | |  |
|  | 1.4 | Identification/Recognization of Needs | | |  |
|  | 1.5 | Existing System | | |  |
|  | 1.6 | Proposed system | | |  |
|  | 1.7 | Unique Features of the system | | |  |
| **Chapter 2** | | Requirement analysis and System Specification | | |  |
|  | 2.1 | Feasibility Study(Technical,Economical,operational) | | |  |
|  | 2.2 | Software requirement specification document which must include the following:  (Data requirement,Functional requirement,performance requirement,Dependability requirement,Maintainability requirement,Security requirement,look and feel requirement) | | |  |
|  | 2.3 | Validation | | |  |
|  | 2.4 | SDLC Model to be used | | |  |
| **Chapter 3** | | System design | | |  |
|  | 3.1 | Design approach (function oriented or Object oriented) | | |  |
|  | 3.2 | Detail design | | |  |
|  | 3.3 | System Design using various structured design tools such as:  ( DFD’s, Data Dictionary, Structured charts, Flow Charts or UML) | | |  |
|  | 3.4 | User Interface design | | |  |
|  | 3.5 | Database Design | | |  |
|  |  | 3.5.1 | | ER Diagram |  |
|  |  | 3.5.2 | | Normalization |  |
|  |  | 3.5.3 | | Database Manipulation |  |
|  |  | 3.5.4 | | Database Connection controls and Strings |  |
|  | 3.6 | Methodology | | |  |
| **Chapter 4** | | Implementation,Testing and Maintenance | | |  |
|  | 4.1 | Introduction of Languages,IDE’s,Tools and Technologies used for implementation. | | |  |
|  | 4.2 | Testing Technique and Testing Plans | | |  |
| **Chapter 5** | | Result and Discussions | | |  |
|  | 5.1 | User Interface Representation (of respective project) | | |  |
|  |  | 5.1.1 | | Brief description of various modules of the system |  |
|  | 5.2 | Snapshots of system with brief details of each. | | |  |
|  | 5.3 | Backend representation (Database to be used) | | |  |
|  |  | 5.3.1 | Snapshot of Database Table with brief description. | |  |
| **Chapter 6** | | Conclusion and Future Scope | | |  |
| **References/Bibliography** | | | | | |

**SPECIFICATIONS FOR MAJOR PROJECT REPORT**

1. Report shall be computer typed (**English- British, Font -Times Roman, Size-12 point**) and printed on **A4 size paper.**
2. The Report shall be hard bound with cover page in white colour. The name of the candidate, degree (specifying the branch), Roll no, Session, year of submission, name of the University shall be printed in black on the cover [Refer sample sheet (outer cover)].
3. Use **1.5 spacing between the regular text and quotations.**
4. **FONT:**

* REGULAR TEXT - Times Roman 12 pts. and normal print.
* CHAPTER HEADING - Times Roman 15 pts., bold print and all capitals.
* SECTION HEADINGS - Times Roman 12 pts., bold print and all capitals
* SUBSECTION HEADINGS - Times Roman 12 pts., bold print and leading

capitals. i.e. Only first letter in each word should be in capital Single line spacing should be used for typing the general text.

* The margins for the regular text are as follows:  
  **LEFT = 1.50", RIGHT = 1.00", TOP = 1.00", BOTTOM = 1.00**

1. In the report, the **title page** [Refer sample sheet (inner cover)] should be given first then the **Certificate by the candidate and the supervisor(s)** in sequence, followed by an **abstract** of the report (not exceeding 1500 words). This should be followed by the **acknowledgment,** **list of figures/list of tables**, **notations/nomenclature**, and then **contents with page no.s**.
2. **References and Bibliography** should be included in report.
3. The diagrams should be printed on a light/white background, Tabular matter should be clearly arranged. Decimal point may be indicated by full stop (.)The caption for Figure must be given at the BOTTOM of the Fig. and Caption for the Table must be given at the TOP of the Table.
4. Conclusions must not exceed more than two pages.
5. The report must consist of following chapters

**Chapter 1-** Introduction

**Chapter 2-** Requirement Analysis and System Specification

**Chapter 3-** System Design

**Chapter 4**- Implementation, Testing and Maintenance

**Chapter 5**-Results and Discussions

**Chapter 6-**Conclusion and Future Scope

**References**

Appendix (if any)

Annexures-I,II,III

1. There should be 3 copies of Final Report.