**General Instructions:**

**1)** Project cover should be in black color & golden embossing

**2)Paper:** The report shall be printed / xeroxed on **white bond paper**, whiteness 95% or above, **weight 70 gram** or more per square meter. The size of the paper shall be standard A4; height 297 mm, width 210 mm.

**3)Type Setting, Text Processing and Printing:** The text shall be printed on a single side of a page employing laser jet or Inkjet printer, the text having been processed using a standard text processor. The standard font shall be **Times New Roman** of **12 pts**with **1.5 line spacing**.

**4)Pagination:** Page numbering in the text of the report shall be Hindu- Arabic numerals at the center of the footer. Page number “1” for the first page of the Introduction chapter shall not appear in print; only the second page will bear the number “2”. The subsequent chapters shall begin on a fresh page. Pagination for pages before the Introduction chapter shall be in lower case Roman numerals, e.g., “iv”.

**5)Page Header:** The page header should have the Chapter number and Name (e.g., Chapter 1 Introduction) on even numbered page headers and Section Number and title (e.g. 1.2 Problem Formulation) on the odd numbered page header. There should be no page header on the first page of any chapter. Refer any standard textbook as a sample.

**6)Page Format:**

The Printed Sheets shall have the following written area and margins:

Top Margin : 15 mm

Head Height : 3 mm

Head Separation : 12 mm

Bottom Margin : 22 mm

Footer : 3 mm

Foot Separation : 10 mm

Left Margin : 30 mm

Right Margin : 20 mm

Text Height : 245 mm

Text Width : 160 mm

When header is not used the top margin shall be 30 mm.

1. Use the data font & font-size as mentioned in the respective places. Wherever there is no mention of it use the following.
2. Data font & font-size

Headings-----Times New Roman (Bold)—16

Subheading----Times New Roman (Bold)—14

Remaining Contents-- Times New Roman—12

1. All page numbers should be at bottom-centre of the page
2. Page numbers should be in Roman till List of Abbreviations
3. Page numbers for all the pages after List of Abbreviations should be in English

6. Line Spacing should be 1.5

**7)** Limit for number of pages in the project report = 80-100

**8) Figures and tables** should be labeled in the following manner

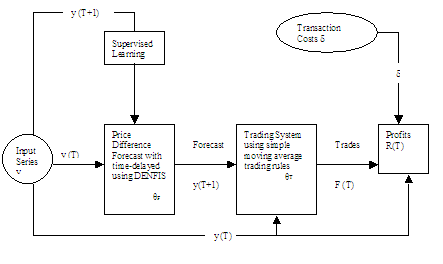


Fig. 2.1 Overall Architecture of the Proposed system

Figure

Fig. 1**: C**aptions should be in 10 pt Times New Roman font at the bottom of the figure. The caption text should be centered if it fits in one line otherwise justified.

In case of tables the labeling of tables should be done above the table and not below it. Other specifications are similar to that of Figure.

**9)Equations** should be centered and numbered in the order of first occurrence in the text. The equation numbers should appear in 11 pt. on the right hand side of the column enclosed by the parentheses ( ).

|  |  |  |
| --- | --- | --- |
| **Chapter** | **Contents** | **Page No.** |
| **1** | **INTRODUCTION:** Give at least two to three sentences about your project. |  |
|  | **1.1 Description *(Brief description of project)*** The main functionality of the project should be explained in brief |  |
|  | **1.2 Problem Formulation *(Explain the problem)*** |  |
|  | **1.3 Motivation *(need of the project)***: List the various approaches along with its drawbacks for solving the problem and briefly explain the approach used for your project. |  |
|  | **1.3 Proposed Solution:**Explain the method/techniqueused for solving the problem and how it overcomes the drawbacks mentioned under heading 1.3. Also explain how the project is going to help end users. |  |
|  | **1.4 Scope of the project *(scale/range of your project)*:** Extent of how far your project can be completed. This can be in terms of domain or application related constraints/limitations. |  |
| **2** | **REVIEW OF LITERATURE *(include at least 3IEEE or similar reputed technical papers as reference*)** Should be atleast 2 pages which gives the ideas referenced by the reference papers. Mark the references wherever appropriate. (Note: - Please don’t write the paper titles and the abstract of papers.) |  |
| **3** | **SYSTEM ANALYSIS** |  |
|  | **3.1Functional Requirements*( write requirements of the project)*** Should follow the IEEE SRS format **(Software requirement specification format)** |  |
|  | **3.2 Non Functional Requirements** Should follow the IEEE SRS format |  |
|  | **3.3 Specific Requirements *(Hardware and software requirements)*** |  |
|  | **3.4 Use-Case Diagrams and description**  (Application development projects use-case is mandatory) |  |
| **4** | **ANALYSIS MODELING** |  |
|  | **4.1 Data Modeling *(E-R Model if any with its associated Data dictionary****)* Applicable for those applications which are dependent on data storage and retrieval. ER Diagram normalized till the third normal form accompanied by the respective data dictionary table should be included  iv |  |
|  | **4.2Activity Diagrams / Class Diagram**Depending on the type of your project you may include any of the diagrams**.** |  |
|  | **4.3 Functional Modeling (DFDs *with specifications)****mandatory for all projects* |  |
|  | **4.4 TimeLine Chart*(For the entire year)*** |  |
| **5** | **DESIGN** |  |
|  | **5.1 Architectural Design (*Project Flow /architecturewith description)*** |  |
|  | **5.2 User Interface Design** GUI fo r your project |  |
| **6** | **IMPLEMENTATION** |  |
|  | **6.1 Algorithms / Methods Used**  Mention your algorithms if any or any methodology used. |  |
|  | **6.2 Working of the project *(code for mentioned algorithms)*** |  |
| **7** | **TESTING *(white box /black-box / any testing algorithm used)*** |  |
|  | **7.1 Test cases *(conditions on which testing is done)*** |  |
|  | **7.2 Type of Testing used *(explanation and reason of testing method used)*** |  |
| **8** | **RESULTS ANALYSIS AND DISCUSSIONS *(final results or outputs)*** |  |
| **9** | **CONCLUSIONS&FUTURE SCOPE** |  |