CHAPTER IV – REQUIREMENT ANALYSIS AND SPECIFICATIONS

**Summary of the Complete Requirements for the Proposed System**

* IEEE (Institute of Electrical and Electronics Engineers) standard:

The basic issues that the SRS writer(s) shall address are the following:

a) Functionality. What is the software supposed to do?

b) External interfaces. How does the software interact with people, the system’s hardware, other hardware, and other software?

c) Performance. What is the speed, availability, response time, recovery time of various software functions, etc.?

d) Attributes. What is the portability, correctness, maintainability, security, etc. considerations?

e) Design constraints imposed on an implementation. Are there any required standards in effect, implementation language, policies for database integrity, resource limits, operating environment(s) etc.?

* **5 paragraphs, each paragraph 10 sentences**

**System Design and Implementation**

* Architectural Diagram
* UML Diagram
* Data Dictionary
* USE Case Diagram and Descriptions
* DATABASE DESIGN

**User Interface Design**

* Screenshots

- Displayed logically

- Descriptions

- Figure number

**Feasibility**

* Organizational Feasibility- “How well a proposed system supports the objectives of the organization’s strategic plan? “
* Economic Feasibility – “Will the expected costs savings, increased revenue, increased profits, reductions in required investment and other benefits exceed the cost of developing and operating the proposed system?”
* Technical Feasibility – “Are there reliable hardware and software capable of meeting the needs of the proposed system that can be acquired or developed in the required time?”
* Operational Feasibility – “Is the organization willing to operate, use and support the proposed system? Are the employees, management, customers, suppliers have the ability to operate, use and support the proposed system?”
* Scheduling Feasibility – “Will the system be accomplished on the required time?”

\*GANTT Chart

**- 15 sentences per feasibility**