**Chapter 3**

**SYSTEM ANALYSIS**

**3.1 System Engineering:**

Systems engineering is an interdisciplinary field of engineering that focuses on how complex engineering projects should be designed and managed. Issues such as logistics, the coordination of different teams, and automatic control of machinery become more difficult when dealing with large, complex projects. Systems engineering deals with work-processes and tools to handle such projects, and it overlaps with both technical and human-centered disciplines such as control engineering and project management.

**System Goals:**

Test your abilities.

High level of interaction.

Risks and Vulnerabilities discovered.

Specially for research.

**System Constraints:**

1. For Spoofing attacker clients must be connected in network and during the power up, the computer initiates a network service request to get connect to the server.

2. Authentication ids are necessary for both Clients & administrator. The server responds to the request and responds to the client for authentication.

3. The Administrator will view the client request and accordingly schedules and initiate the required software installation on the client machine.

4. Till the administrator doesn’t initiate the process, the installation will not start at the client side.