**CHAPTER 2**

**SYSTEM AND SOFTWARE REQUIREMENTS AND SPECIFICATIONS**

The program works on Desktop PC and is executed using a PHP 5 interface which interacts with a MySQL database running on localhost.

# FUNCTIONAL REQUIREMENTS

A description of the facility or feature required. Functional requirements deal with what the system should do or provide for users. They include description of the required functions, outlines of associated reports or online queries, and details of data to be held in the system.

# Interface Requirements:

* + - * Login interface (Admin & User)
      * Comment feature
      * Messaging feature
      * UI friendly admin dashboard
      * Fully dynamic & responsive website
      * Searching posts with keyword

# NON-FUNCTIONAL REQUIREMENTS:

Non-functional requirements define the overall qualities or attributes of the resulting system.

# Usability

Usability is the ease with which a user can use the website and get the most of it.

# Security

Security requirements are included in a system to ensure:

* + - * A user has to login for messaging and commenting on a post.
      * User passwords are encrypted and stored

# Reliability

Reliability is the ability of a system to perform its required functions under stated conditions for a specific period of time. Constraints on the run-time behavior of the system can be considered under two separate headings:

* + - * Availability: is the system available for service when requested by end-users.
      * Failure rate: how often does the system fail to deliver the service as expected by end- users.

# SOFTWARE REQUIREMENTS

Programming language : PHP, MYSQL

Operating system : ANY OS (Recommended**:** Windows8,

Windows Vista, Windows XP) Application required : Standalone desktop application & Xampp Coding language : PHP, HTML, CSS, Javascript.

# HARDWARE REQUIREMENTS

CPU : Pentium IV 2.4 GHz or above Memory (Primary) : 512 MB, 1 GB or above

Hard Disk : 40 GB or above

Monitor : 15 VGA color