**Requirements Analysis**

**Functional requirements**

Functional requirements mean how registered users interact with the system. Online teacher training system also includes a set of main Functional requirements**.** There are as follows.

The website can be accessed by System Administrator, Registered Lectures, and Registered training teachers.

**System Administrator –**

* System Administrator has access to the both lectures side and training teacher side of the system
* System Administrator can view and manage data.
* System Administrator can edit the database.
* System Administrator can manage registered user profiles.
* System Administrator is responsible for maintaining the security of the system
* System Administrator is responsible for verifying the privacy of registered users.

**Lecture –**

* Lecturehas access to the lectures side of the system.
* Lecture can manage a learning environment to training teachers.
* Lecture can update lecture notes to training teachers.
* Lecture can plan learning schedules to training teachers.
* Lecture can upload online tests to training teachers.
* Lecture can mark the answer sheets of training teachers.
* Lecture can upload marking scheme and result sheet.

**Training Teacher –**

* Training Teacherhas access to the training teacher side of the system.
* Training Teacher has access to the system.
* Training Teacher can view learning schedules.
* Training Teacher can download the lecture notes.
* Training Teacher can answer to online tests.
* Training Teacher can upload the answer sheets.
* Training Teacher can download the marking scheme and Result sheet.

**Nonfunctional requirements**

Non-functional requirements are a set of specifications that describe the operation capabilities of the system. And it further means that NFRS can be defined as a quality attributes. Functional requirements as well as non-functional requirements are important for the system and its functionality.

**Availability**

* The system should be available 24 hours for users.

**Speed**

* The website’s load time should not be more than 03 seconds for users.

**Security**

* The system’s information should be accessible to only registered users.
* The system’s special information should not be accessible to unregistered users.
* Data of the system should be stored in a protective method.
* The privacy of the registered users should be verified.

**Scalability**

* More than 2000 registered users should have accessible at a time.

**Usability**

* The system should be simple and understandable to the registered users.