**1.Introduction** **1.1** **Objective**

To design a web-based system titled-‘Collaborative Learning forum’ using PHP and HTML5. The objective of this project is to help users to post their queries as well as respond to the questions put up by others. It acts as a medium to promote virtual group discussions.

**1.2 Scope**

Collaborative Learning Forum is a very useful web application for education industry. It can be run on a XAMPP platform which consists of Apache, mySQL and PHP. This project is an online portal that aims to explore new possibilities given by the Internet by using each other’s experience and problem-solving skills. This system is very reliable and easy to access.

## 1.3 References

## IEEE SRS Format

## 1.4 Technologies to be used

Programming languages: PHP, HTML5, CSS, mySQL

# 2. Overall Description

## 2.1 Product perspective

The project strives towards the collaborative type of learn­ing situation. Self-formed and self-directed groups of participants take part in problem solving and group discussions to reach con­sensus. It is a PHP based web application that communicate with mySQL database in the local environment

## 2.2 Product functions

User: Student

Functions: A session is started as a user logs into the system. A new user can also signup into the system. At the back-end database the user information is saved. The student selects a particular subject and enters his query in the text field. His query can be answered by some other

user. The answers can be also be rated. All the questions and answers are stored at the back-end.

**3. External Interface Requirements**

**3.1** **User Interfaces**

The user interface shall allow users to easily operate the software on any web browser. Each part of the user interface intends to be as user friendly as possible. The first page is a welcome screen after which the user can enter the second page. From the second page, user can log into the session.

**4. Performance Requirements**

The forum displays a platform of many users coming together can discuss on certain topics and gain knowledge. The time to upload the query must be less. It should simultaneously get stored at the back-end. The time for uploading picture of user and also to search questions must be less. The system is user friendly and easy to use.

**5. Software system attributes**

The necessary qualities of software products are:

**5.1 Security:**

The software can be made secured by providing a login page so that only some authenticated users can use it for beneficial purposes. The passwords are encrypted to keep them safe in the database.

**5.2 Maintainability:**

The application is to be designed so that it is easily maintained.

**5.3 Portability:**

The application will be easily portable on any system having XAMPP server and a database.

**5.4 Adaptability**

The application is easily adapted to the user who uses it as it involves a user-friendly graphic interface.

**5.5 Availability**

Once the application is developed and introduced in the market it will be available in the internet and the users use it anytime.