

**Sri Lanka Institute of Advanced Technological Education
(SLIATE)**

Higher National Diploma in Information Technology

ATI Batticaloa

Online Based Discussion Forum

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Table of Contents

1. Introduction	3
2. Background and Motivation.....	4
3. Problem in Brief	5
4. Aim and Objectives	6
4.1. Aim.....	6
4.2. Objectives	6
5. Proposed solution.....	7
5.1 Module Activities:.....	7
6. Resource requirements.....	8
6.1. Hardware Requirement	8
6.2. Software Requirement	8
6.3. Languages.....	8
7. References	9

1. Introduction

Information technology has revolutionized the life of human beings and has made lives easier by the various kinds of applications. In the rapid of the life changes with the use of Information Technology, there are many tools, technologies and system that have been produced and invented.

Student centered learning and the creation of student centered spaces online are gaining credence in educational settings. We know that effective learning requires access to social and academic networks for both study material and emotional support; as such, online communities can offer a holistic knowledge construction, support mechanism, and recognize that affective activity is effective.

Social forums, often called ‘Virtual Cafes’ or ‘Common Rooms’ can be set up for courses or for programs, depending on the student need. These spaces provide students to come together and discuss unlimited topics, including social activities and educational ideas.

They are supportive spaces for students, where students would not otherwise have the opportunity to communicate with others outside their own tutorial group.

2. Background and Motivation

Online Based Discussion Forum System is most important of student life. That is very helpful for the students learning to the explanation and other doubts for the own subjects (Mathematics, Science, HTML, English, MySQL and etc..).

This system develop for the BT/ Kirankulam vinayagar maha vidyalaya students. Recognizing the well-documented benefits of asynchronous media and taking advantage of the support and resources made available in the school, this system introduced.

Students should be motivated to contribute to the discussions and finally come to the last conclusion for the teachers or friends help. That is easy way of the study and When students learn or when they are in doubt, final decisions can be reached with the help of teachers or colleagues. They can also use their time more effectively by allocating a little more time to it.

3. Problem in Brief

Today Students having major problem in there's studies. When they need the problem solution for the doubts. So many student and teachers connecting to the system and they are taken for the solution in any educational doubts and questions.

It is necessary to measure the impact of this initiative on learning. Academic performance, though, is considered one of the variables that could measure the effectiveness of learning; it is not possible to conclusively prove this without a control group.

Thought not the most appropriate method, grading of the current cohort of student in this assessment task is compared with the performance of a previous cohort of students in the same unit with the same study. In the past, students were asked to submit a written analysis of the case study after face-to-face discussion in the classroom.

This study assessment is a formative assessment and therefore could be used as a feedback to the teacher as well as to student to identifying knowledge gaps and to improve teaching and learning.

4. Aim and Objectives

4.1. Aim

Aim of my system is to develop an Online Based Discussion Forum solving for the educational problems and doubts discuss and conclusive. This is a best solution of the student education and E-Learning based system.

4.2.Objectives

- Connecting the students and teachers.
- Distance education greatly extends classroom learning
- Students learn about the content from another perspective
- Most of answering or discussing for the one topic.
- Conclusive decision for the topic

5. Proposed solution

The proposed solution is develop the online or internet based system.

- E learning and discussions in particular, can support learning that is not always tutor / teacher-centered, your role will be important, especially as an online community begins to develop.
- Very flexible and more convenient system for users.
- A group of students can become a community of participants who begin to grow in their understandings of course material and individual contributions to the knowledge construction process.
- Managing all thread/ post, replies and like from users with proper well-structured flow.

5.1 Module Activities:

- Admin
- Manage users
- Post Questions
- Reply to the Posts / Discussing the Questions
- Delete post

6. Resource requirements

6.1. Hardware Requirement

- Pc or laptop with minimum core 2 duo processor
- Memory : 512 MB RAM
- Hard drive : 1 GB
- Internet connection

6.2. Software Requirement

- Apache server
- MySQL server
- One of the Browser
- Text Editor

6.3. Languages

- HTML
- CSS
- PHP
- JavaScript
- MySQL

7. References

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