

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD

Mini Project

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CONTENT CREATION MODULE & DISCUSSION FORUM

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1. INTRODUCTION

1.1. Details of the Project

Technology Enabled Active Learning 2.0 “**TEAL 2.0**” is an online course platform. It is an open access online tool hosted in the cloud, allowing individual institutions, faculty, and learners to initiate teaching and learning programmes. It is similar to Moodle or Canvas but TEAL 2.0 provides customizability and collaborative development. This allows learners to develop their own course with their own learning outcomes as well. This would help make learning more relevant to individual needs and capabilities and will enable effective feedback collection and assessment of learning efficiency.

1.2. Objectives of the Project

The specific objective of the project is as follows:

- To develop, validate and launch a collaborative and modular open Technology Enabled Active Learning platform.
- To initiate learning & teaching content development through the platform in key software and technology areas.
- To build human resources capacity and sustainable support structures in order to enable the active exploitation of the platform in the participating PC institutions.

2. TOOLS AND TECHNOLOGY USED

2.1. Tools which have been used in this project:

- **Plugin:** A plugin is a piece of software that acts as an add-on to a web browser and gives the browser additional functionality. Plugins can allow a web browser to display additional content it was not originally designed to display.

2.2. Technology which have been used in this project:

- **Moodle :** Moodle is a free and open-source learning management system written in PHP and distributed under the GNU General Public License. It is a learning platform designed

to provide educators, administrators and learners with a single robust, secure and integrated system to create personalised learning environments. You can download the software onto your own web server or ask one of our knowledgeable Moodle Partners to assist you.

- ***PHP:*** PHP (Hypertext Preprocessor) is known as a general-purpose scripting language that can be used to develop dynamic and interactive websites. It was among the first server-side languages that could be embedded into HTML, making it easier to add functionality to web pages without needing to call external files for data.

3. OUR MODULE

In this project we have created two modules which are:

- Content Creation Module:
This module develops the functionalities to share content corresponding to the courses offered in a program by the institute.
- Discussion forum:
Features discussion platform for students, faculties and partner institutes.

4. CONTENT CREATION MODULE

This module is designed to facilitate the functions like sharing of content and other tools offered in a program.

Apart from the already existing features we have also introduced some new extra features which were not available on the MOODLE before. It is done so that TEAI 2.0 performs as a better learning platform.

Features of Content Creation Module are:

- Managing Course Content
 - Add new content

- Video Lectures, Text files and audio files
- Modify content
- Delete content
- Can upload content from a different existing course.
- Activity completion

The newly added features of Content Creation Module are:

- PDF - Reader

This feature enables the users to annotate specific parts of a PDF and discuss them with other users. It will help the user to discuss and clear the doubt regarding a certain point in the pdf rather than discussing the whole pdf.

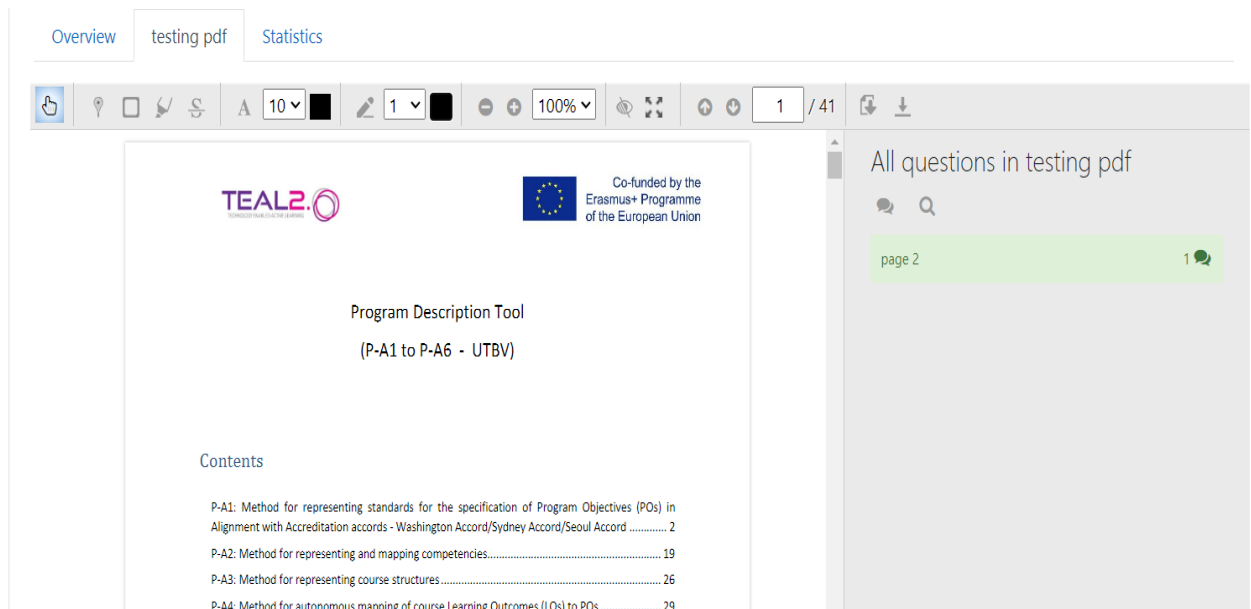


Figure (below) shows a feature in which a doubt session is created while reviewing a pdf

Questions unsolved

Question	by on			Last Answer	Document	Manage
doubt	Anonymous 9 Nov 2021, 6:57 PM	0	0	-	testing pdf	
dount 2	Test User 24 Oct 2021, 1:23 PM	0	0	-	pdf test	
This para	Mridul Mittal 24 Oct 2021, 1:21 PM	0	0	-	pdf test	

Public comments

Anonymous 9 Nov 2021, 6:57 PM

0 doubt

Add a comment

☐ post anonymous

Answer

Cancel

- Download Facility


This feature allows users to download the content offered by the program in a single zip file. It also allows selective download of the content which means a user can download only those content which are required rather than downloading the whole program.

NOTE: Download center only enables you to download visible FILES and FOLDERS!


Select All / None
(Show type options)

☒ General

☒ Topic 1

☒ ML 

☒ Topic 2

☒ asdf 

☒ Topic 3

☒ Topic 4

Create ZIP archive

Cancel

5. DISCUSSION FORUM

This module is designed to facilitate the feature of discussion forums.

Apart from the features that are already available in the moodle, we have also added some new features. It is done so that TEAI 2.0 performs as a better learning platform.

Features of Discussion forum that are already available in the moodle :

- Standard forum for general use
 - Each person posts one discussion
 - Q and A forum
 - Standard forum displayed in a blog like format
- Split discussion
- Multimedia attachment
- Private reply

Features that we have added :-

- Rating and Reputation feature

In this feature if someone has posted something and on that post other users enrolled on that course can use Downvote and upvote feature to rate the post or any sub post. Downvote and upvote posts helps in deciding the value of the posts.

discuss 1
doubt 1

Add a new answer

doubt 1
by Mridul Mittal (★ 12) - Tuesday, 9 November 2021, 6:58 PM

doubt in topic

Permalink | Edit | Delete | Answer

^ solution for the problem
-1
v

Test User (★ 82)
Tuesday, 9 November 2021, 6:59 PM

✓ The question owner and a course owner accepted this as the best answer.
Permalink | Not Helpful | Remove solution mark | Edit | Delete | Comment

- Mark as helpful or solved to the post and sub-posts:
There is Mark as a helpful or solved feature which helps teachers to pin particular comments as helpful or it is the solution of the question posted. Helpful for both teachers and students.

Grade category ?

Rating and reputation

Display first ?

Cross module reputation? ?

Allow negative reputation? ?

Answers can be marked as solution and helpful. This option decides which of these will be pinned as the first answer of the discussion. There are 2 options:

- Helpful - A topic starter's helpful mark will be pinned at the top of the discussion
- Solved - A teacher's solution mark will be pinned at the top of the discussion

Yes

6. RESULTS AND DISCUSSION

6.1. Results

Successfully completed the target of designing Content Creation Module and Discussion Forum.

6.2. Discussion

The main goal of this project was to successfully develop two modules assigned to us which are Content Creation module and Discussion Forum by the end of November 2021.

Our work plan is as follows:

- **C1 Phase:** Studied the TEAL2.0 overview and started familiarizing ourselves with basic PHP language. We then set MOODLE on the systems and started testing some plugin ideas.
- **C2 Phase:** We had set the basics of the Content Creation Module and Discussion Forum. The PDF Reader & Rating and Reputation (extra features) was also completed in this phase.
- **C3 Phase:** We have added the Download facility (extra feature) and completed the minor changes in the project. The ultimate goal of designing the two modules is achieved.