

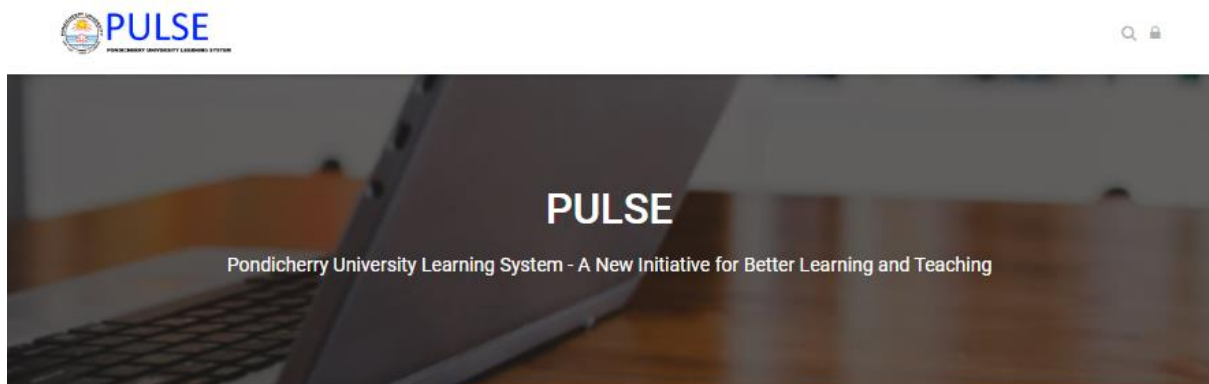


**Pondicherry University
School of Life Sciences,
Department of Ecology & Environmental Sciences
Puducherry – 605 014, India**

Organized a

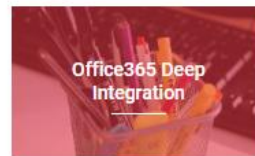
**Capacity Building program on
PULSE – Pondicherry University Learning System**

on
07 August 2022



Integrated & Flexible Learning System

This system is based on MOODLE a well known open source Learning Management System. This provides an one stop solution for all learning and teaching activities of departments and centres in the Pondicherry University Campus. The system is fully integrated with Office365 for authentication and fully integrated to give a seamless access to both platforms. PULSE provides easy course enrolments and course tutor can enable different enrolment modes including pre-requisite. This platform provides a complete learning and teaching system for in-person, blended-online, full-online and distance mode of education.



**Office365 Deep
Integration**



**Turnitin Plagiarism
Similarity Check**



**Competency Based
Activities**

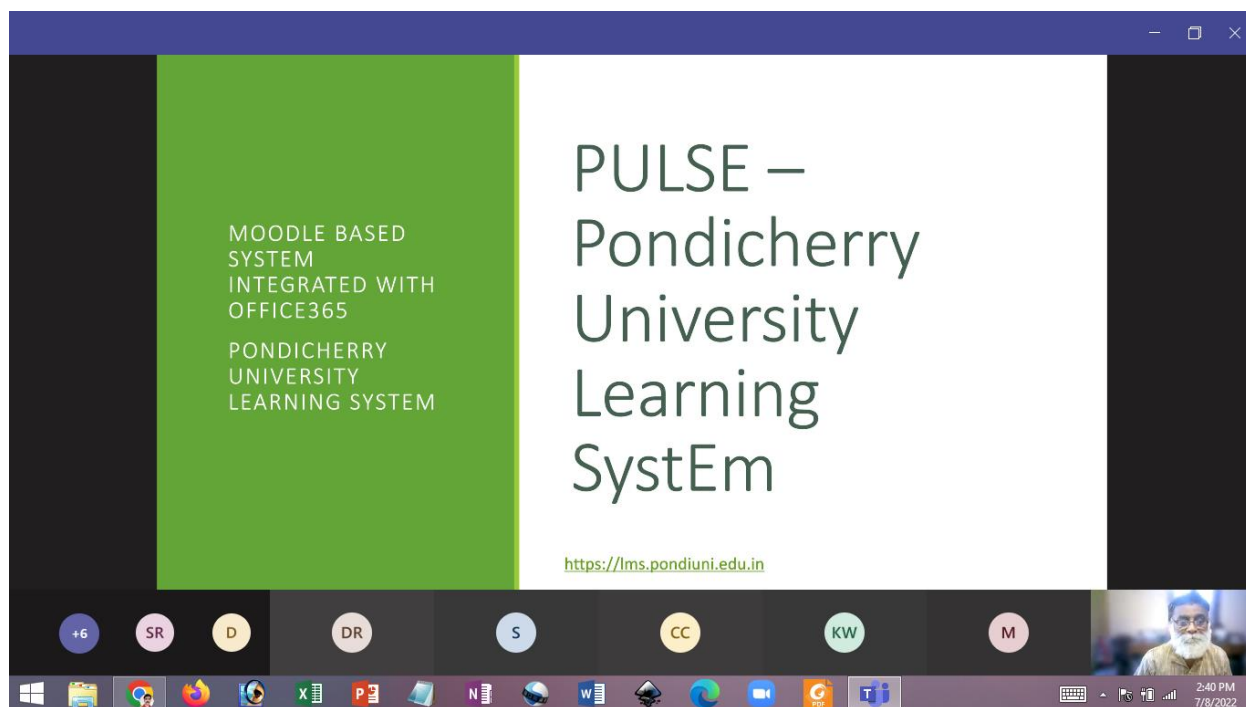


**User Reports and
Customization**

Co-funded by the
Erasmus+ Programme
of the European Union



Pondicherry University organized a capacity building program on 07 August 2022 to the faculty members on the use of Pondicherry University Learning System (PULSE) <https://lms.pondiuni.edu.in/>



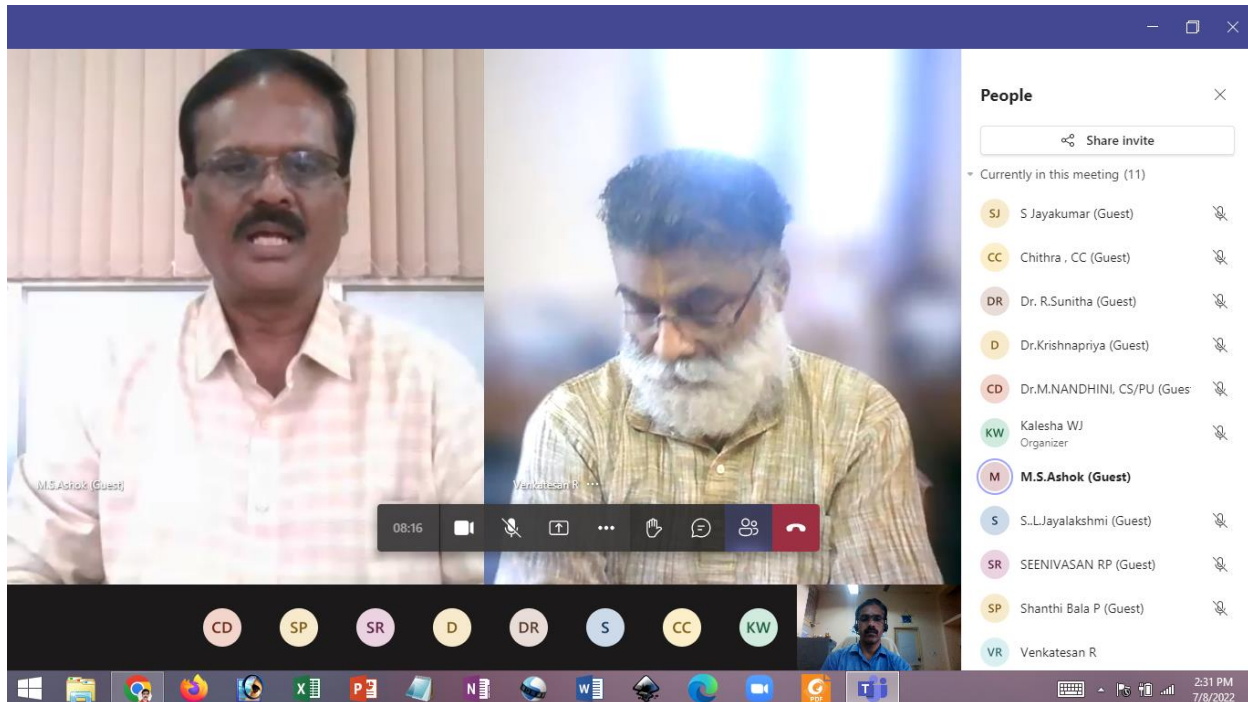
Participants

1. Prof. Venkatesan
2. Prof. Jayakumar
3. Dr. Ashok
4. Mr. Kalesha
5. Prof. Chitra
6. Dr. Sunitha
7. Dr. Nathini
8. Dr. Jayalakshmi
9. Dr. Seenivasan
10. Dr. Sarath Babu
11. Dr. Shanthi Bala

About the PULSE

This system is based on MOODLE a well known open source Learning Management System. This provides a one stop solution for all learning and teaching activities of departments and centers in the Pondicherry University Campus. The system is fully integrated with Office365 for authentication and fully integrated to give a seamless access

to both platforms. PULSE provides easy course enrolments and course tutor can enable different enrolment modes including pre-requisite. This platform provides a complete learning and teaching system for in-person, blended-online, full-online and distance mode of education.



Features of PULSE

1. Activity & Resources

There are 20 different types of activities in the standard Moodle that can be found when the editing is turned on and the link 'Add an activity or resource' is clicked.

- Assignments - Enable teachers to grade and give comments on uploaded files and assignments created on and off line
- Attendance - The Attendance activity is designed for teachers to be able to take attendance during class, and for students to be able to view their own attendance record. Students may mark their own attendance.
- Chat - Allows participants to have a real-time synchronous discussion
- Choice - A teacher asks a question and specifies a choice of multiple responses
- Database - Enables participants to create, maintain and search a bank of record entries
- Feedback - For creating and conducting surveys to collect feedback.
- Forum - Allows participants to have asynchronous discussions
- Glossary - Enables participants to create and maintain a list of definitions, like a dictionary

- H5P activity - Enables H5P content created in the Content bank or on h5p.com to be easily added to a course as an activity.
- Lesson - For delivering content in flexible ways
- (LTI) External tool - Allows participants to interact with LTI compliant learning resources and activities on other web sites.
- Quiz -Allows the teacher to design and set quiz tests, which may be automatically marked and feedback and/or to correct answers shown
- SCORM - Enables SCORM packages to be included as course content
- Survey - For gathering data from students to help teachers learn about their class and reflect on their own teaching
- Wiki - A collection of web pages that anyone can add to or edit
- Workshop - Enables peer assessment
- Book - Multi-page resources with a book-like format. Teachers can export their Books as IMS CP (admin must allow teacher role to export IMS)
- File - A picture, a pdf document, a spreadsheet, a sound file, a video file
- Folder - For helping organize files and one folder may contain other folders
- IMS content package - Add static material from other sources in the standard IMS content package format
- Label - Can be a few displayed words or an image used to separate resources and activities in a topic section, or can be a lengthy description or instructions
- Page - The student sees a single, scrollable screen that a teacher creates with the robust HTML editor
- URL - You can send the student to any place they can reach on their web browser, for example Wikipedia

2. Repository

Repositories in Moodle enable users to add files to a course and other locations in Moodle. Repositories provide access to specific types of file sources. They can also allow, where appropriate, users to upload files, access previously uploaded files, and to easily bring content into Moodle from external sources

Repositories enabled by default

- Content bank Gives access to H5P files created or uploaded into the content bank in courses (in 3.9 onwards)
- Embedded files - Allows linking to files and images available to the user that have been added/embedded in their course activities
- Server files - Gives access to files elsewhere on the Moodle site (limited by a user's permissions)
- Recent files - Shows the last 50 files you have uploaded, according to the context
- Upload a file - Enables the "Upload a file" option in the site File picker to allow users to browse for and upload files
- Private files - Enables access to a personal storage area for every user
- URL downloader - Allows downloading of files and images from a particular URL
- Wikimedia - Let's users search for and insert media (images) from Wikipedia

Additional standard repositories disabled by default (request the administrator to enable)

- Box - bring files in from your Box account
- Legacy course files - use the old system from 1.9 of "course files" (pertains to sites upgraded to 1.9)
- Dropbox - link to or copy files from Dropbox
- EQUELLA - link to files in an EQUELLA installation
- File system - access files uploaded to a folder on your server (by, eg FTP)
- Flickr - search for and display images from your personal Flickr account
- Flickr public - search for and display images publicly available from Flickr
- Google Drive - bring files from your Google Drive account
- Merlot.org - bring resources in from Merlot.org
- Nextcloud
- Amazon S3 - enables users to copy files from Amazon S3 storage instances
- OneDrive bring in files from your Microsoft OneDrive
- WebDAV -bring in files from external sources using WebDAV protocol
- YouTube videos - search for and display YouTube videos

3. Quiz and Questions

You may add a variety of different types of questions in the Quiz and Lesson modules. Quiz settings have numerous options to fit in to any circumstances.

- Calculated
- Calculated multi-choice
- Calculated simple
- Drag and drop into text
- Drag and drop markers
- Drag and drop onto image
- Description
- Essay
- Matching
- Embedded Answers (Cloze Test / Gap Fill)
- Multiple choice
- Short Answer
- Numerical
- Random short-answer matching
- Select missing words
- True/False
- Many custom question types

4. Gradebook

- A versatile, comprehensive, customizable gradebook and grading methods are available

- Standard or custom scales
- Outcomes
- Grade categories
- Grade weights
- Comprehensive reports
- Grade export
- Grade import
- Advanced Rubrics
- Competency based marking

5. Others

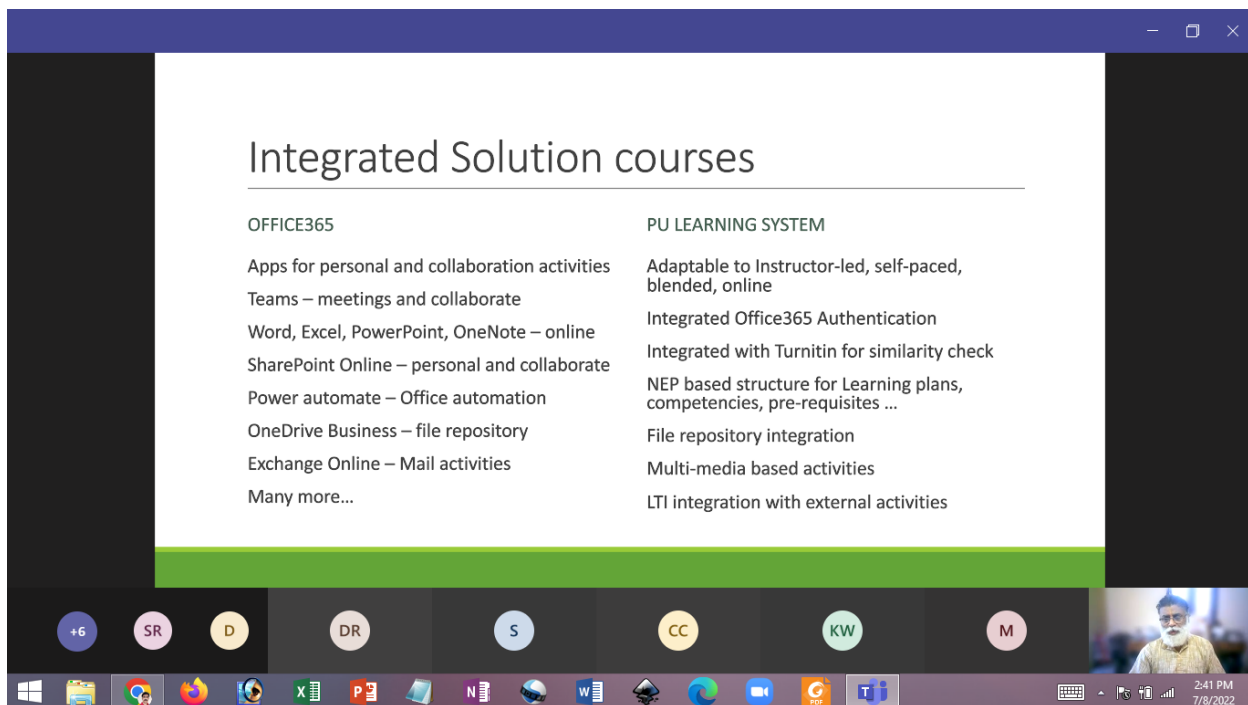
- Attendance
- Conditional activities
- Gamification
- Course certificate
- Feedback
- Internal private and group messaging
- Receive notifications about assignments, forum, examinations, online meeting schedule, events etc.
- Modern, easy to use interface
- Personalised Dashboard
- Collaborative tools and activities
- All-in-one calendar
- Convenient file management
- Simple and intuitive text editor
- Track progress
- Embed external resources
- Direct learning paths
- Multimedia Integration
- Group management
- Marking workflow
- In-line marking
- Peer and self assessment
- Integrated Badges
- Security and privacy
- Plagiarism check
- Customisable site design and layout
- Secure authentication and mass enrolment
- Multilingual capability
- Bulk course creation and easy backup
- Manage user roles and permissions
- Supports open standards
- High interoperability
- Simple plugin management
- Regular security updates

- Course Development
- Direct learning paths

Dr. Ashok, Head of Computer Centre, Pondicherry University welcomed the participants. Prof. Venkatesan from the Dept. of Chemistry, Pondicherry University gave a demonstration on How to use the PULSE. Prof. Venkatesan who was very instrumental in developing the PULSE explained the potential use of PULSE in online mode of teaching and blended learning. Mr. Kalesha, the programmer from the Computer Centre, Pondicherry University, who helped in the development of PULSE, also clarified the doubts from the participants.

Prof. Venkatesan explained the following features.

PULSE the integrated solution



The screenshot shows a presentation slide titled "Integrated Solution courses". The slide is divided into two columns of features:

OFFICE365	PU LEARNING SYSTEM
Apps for personal and collaboration activities	Adaptable to Instructor-led, self-paced, blended, online
Teams – meetings and collaborate	Integrated Office365 Authentication
Word, Excel, PowerPoint, OneNote – online	Integrated with Turnitin for similarity check
SharePoint Online – personal and collaborate	NEP based structure for Learning plans, competencies, pre-requisites ...
Power automate – Office automation	File repository integration
OneDrive Business – file repository	Multi-media based activities
Exchange Online – Mail activities	LTI integration with external activities
Many more...	

The slide is displayed in a window with a blue title bar. Below the slide content is a green bar, and at the bottom is a navigation bar with circular icons labeled +6, SR, D, DR, S, CC, KW, and M. A small video feed of a man is visible in the bottom right corner of the window. The Windows taskbar is visible at the very bottom of the image, showing various application icons and the system tray with the time 2:41 PM on 7/8/2022.

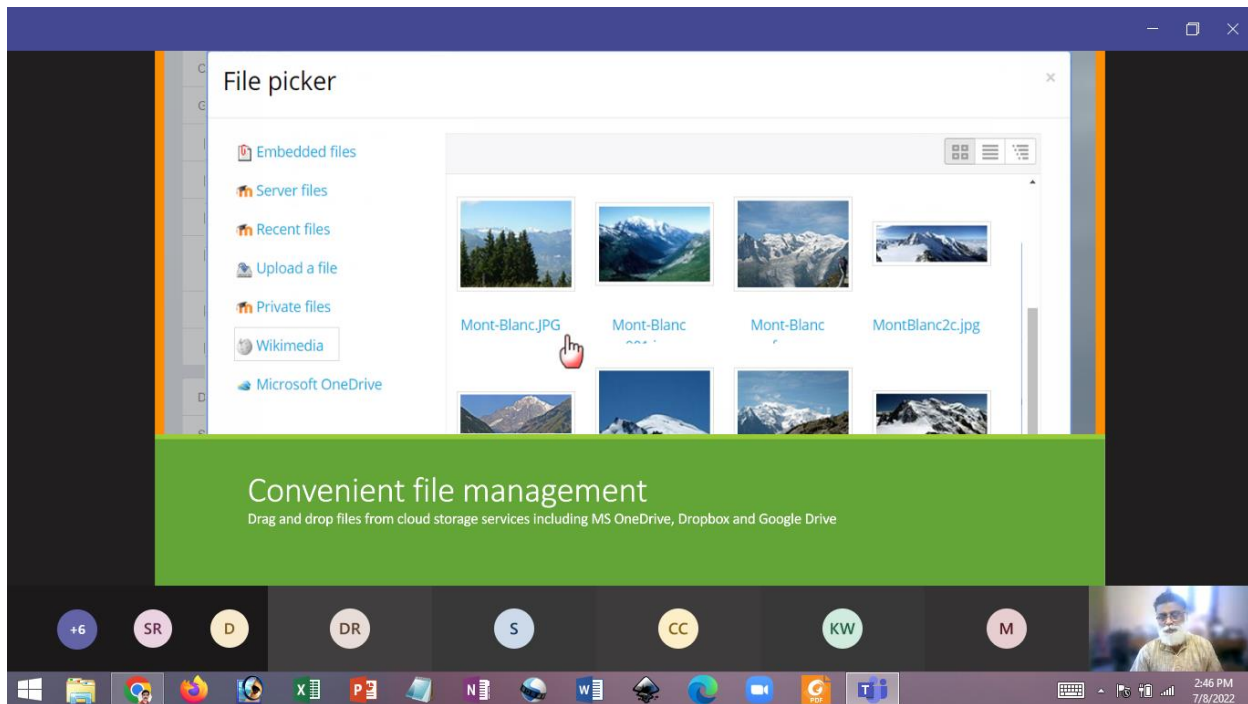
Personalized Dashboard

Personalised Dashboard
Display current, past and future courses, along with tasks due.

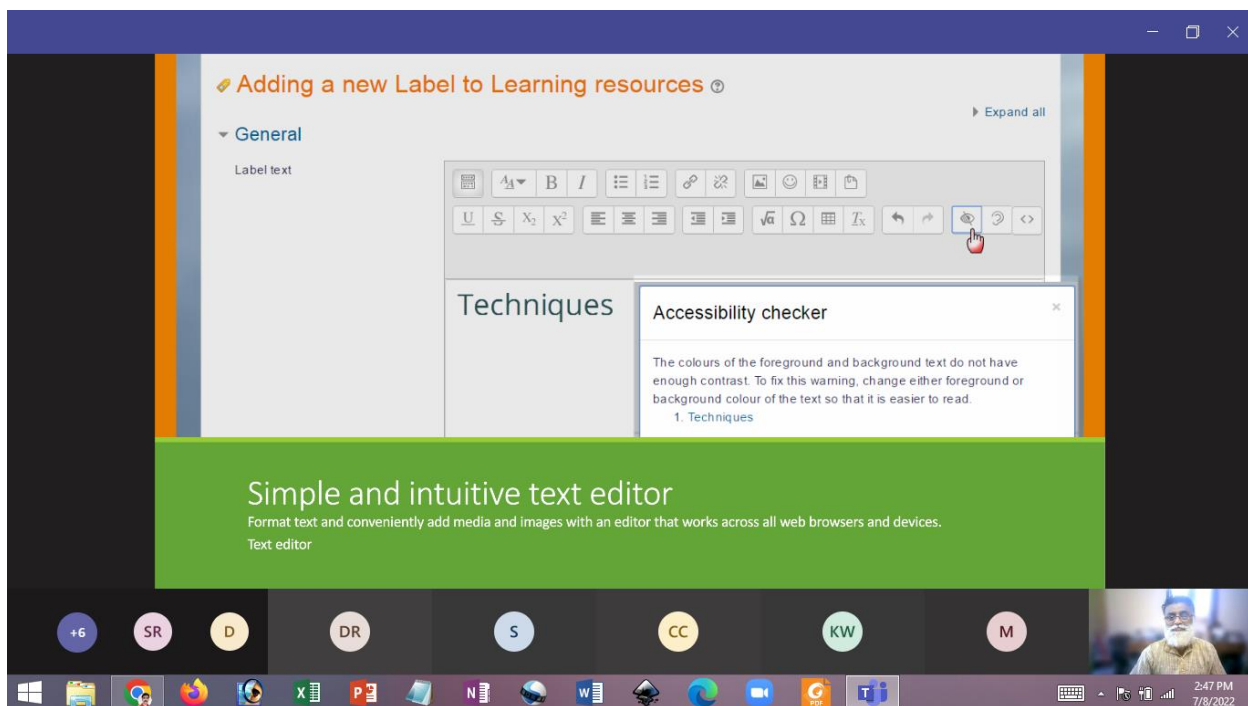
All-in-one Calendar

All-in-one calendar
Calendar tool helps you keep track of your academic or company calendar, course deadlines, group meetings, and other personal events.

Convenient file management system



Simple text editor



The Notifications

	Web	Tablet	Mobile
Assignment	Online	Offline	Online
Assignment notifications	On	Off	Off
Feedback	Online	Offline	Online
Feedback notifications	Off	Off	Off
Feedback reminder	Off	Off	Off
Forum	Online	Offline	Online
Subscribed forum posts	On	Off	Off
Subscribed forum digests	Off	Off	Off
Lesson	Online	Offline	Online

Notifications
When enabled, users can receive automatic alerts on new assignments and deadlines, forum posts and also send private messages to one another.

Progress tracking

Activity	Frances Banks	Mark Ellis	Brian Franklin	Barbara Gardner
Announcements from your tutor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Prior Knowledge assessment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Factual recall test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Let's make a date!	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Course chat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Useful links	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Video resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Course discussion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
From Concept to Reality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Select your focus film	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Group Project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discussions about your...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Survey COLLES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your course notes wiki	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feedback: Psychology in...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reflective journal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Track progress
Educators and learners can track progress and completion with an array of options for tracking individual activities or resources and at course level.

Embedding external resources

Quiz - Atoms and Elements (General Chemistry)
 Barbara
 February 27, 2017 11:22:43 AM UTC

Quiz Rules

1. Each quiz must be completed within 15 minutes of the time when it is first downloaded.
2. You may repeat quizzes as many times as you wish, to improve your score.
3. For each quiz topic, the server reports your best quiz score.
4. You must submit the quiz for scoring before the indicated deadline in order to receive class credit.
5. Instructors can view best scores and downloads by date/time in order to enforce quiz deadlines.

Time remaining: 14 minutes 10 seconds.

Grade This Quiz

1. Ernest Rutherford showed that the structure of atoms is not homogeneous. Rather, the positive charge is concentrated in a tiny nucleus. The remainder of the atoms is composed of mostly _____ throughout which tiny electrons are dispersed.

Enter the correct word or phrase:

Embed external resources
 Teach materials and include assignments from other sites and connect to the gradebook in Moodle

Navigation icons: +5, SR, D, DR, S, CC, KW, M

Windows taskbar: 2:51 PM 7/8/2022

Multimedia integration

Link Video Audio

Add alternative source

Display options

Size: 720 x _____

Thumbnail URL: <http://school.demo.moodle.net/draftfile.php/167/user/draft> Browse repositories...

Advanced settings

Show controls Play automatically Muted Loop

Subtitles and captions

Subtitles Captions Descriptions Chapters Metadata

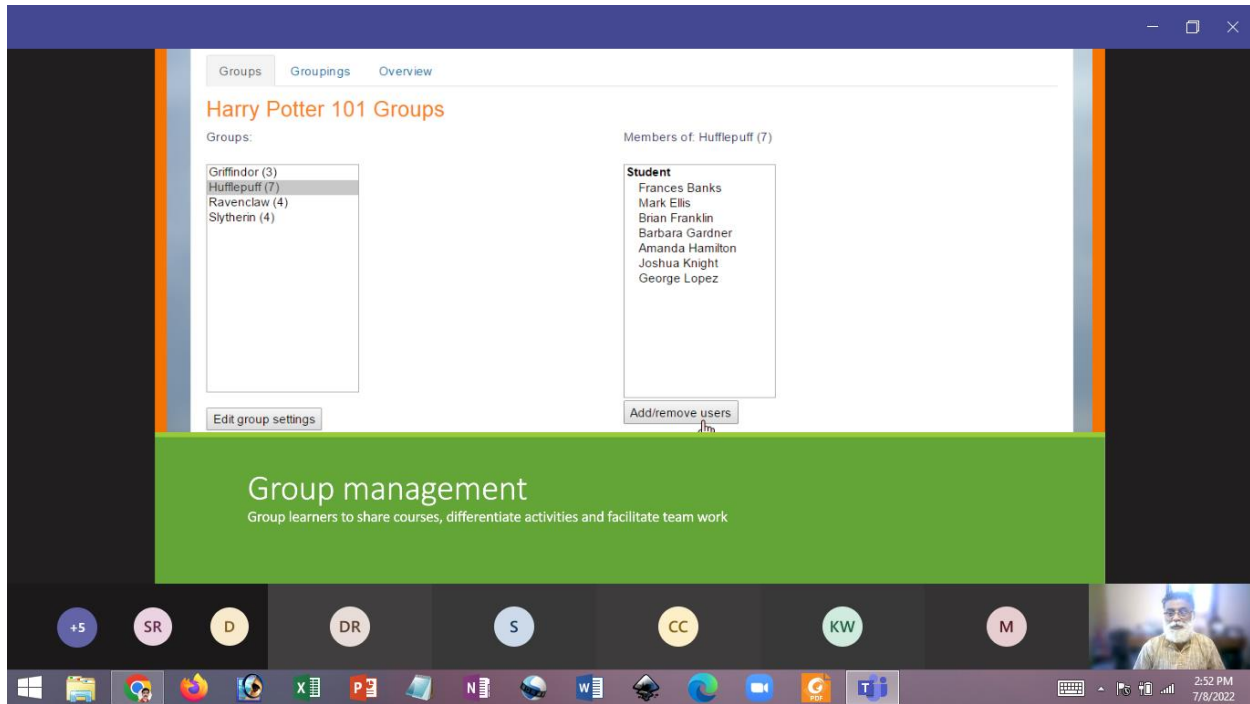
Subtitle track URL: <http://school.demo.moodle.net/draftfile.php/167/user/draft> Browse repositories...

Multimedia Integration
 Moodle's built-in media support enables you to easily search for and insert video and audio files in your courses

Navigation icons: +5, SR, D, DR, S, CC, KW, M

Windows taskbar: 2:51 PM 7/8/2022

Group management



Groups: Gryffindor (3), Hufflepuff (7), Ravenclaw (4), Slytherin (4)

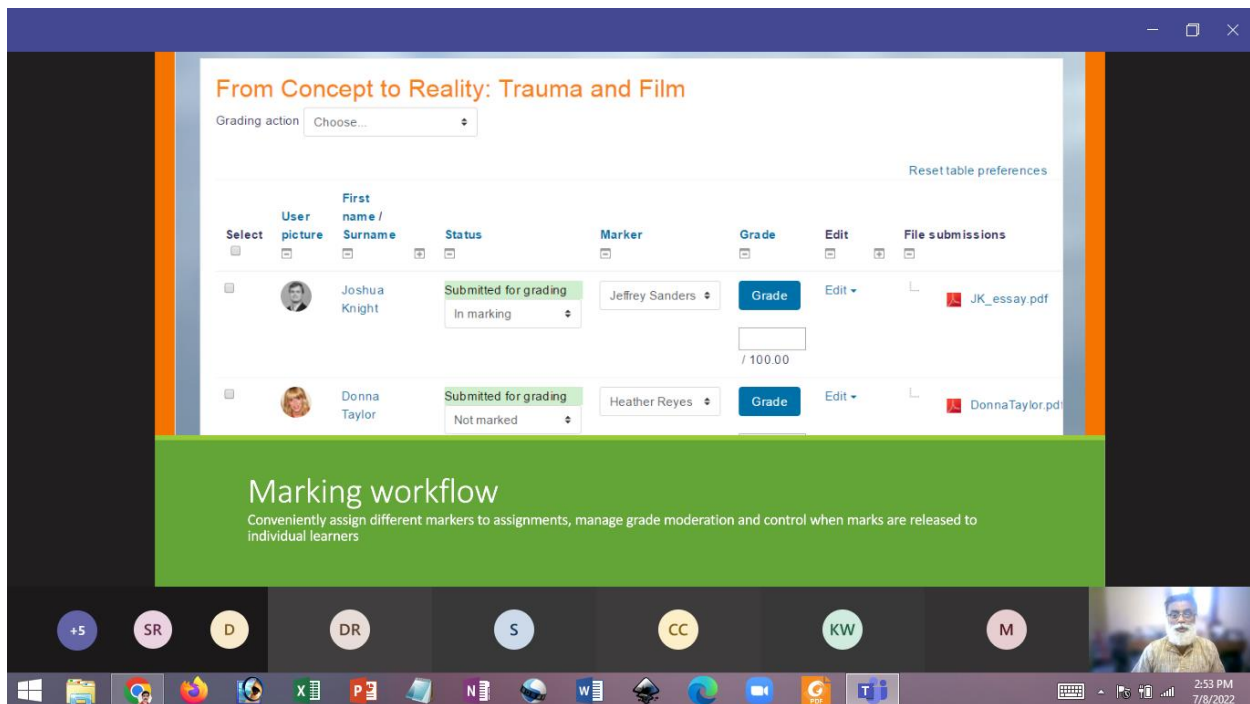
Members of: Hufflepuff (7)

Student

- Frances Banks
- Mark Ellis
- Brian Franklin
- Barbara Gardner
- Amanda Hamilton
- Joshua Knight
- George Lopez



Group management
Group learners to share courses, differentiate activities and facilitate team work

Marking and grading



From Concept to Reality: Trauma and Film

Grading action: Choose...

Select	User picture	First name / Surname	Status	Marker	Grade	Edit	File submissions
<input type="checkbox"/>		Joshua Knight	Submitted for grading In marking	Jeffrey Sanders	Grade / 100.00	Edit	JK_essay.pdf
<input type="checkbox"/>		Donna Taylor	Submitted for grading Not marked	Heather Reyes	Grade	Edit	DonnaTaylor.pdf

Marking workflow
Conveniently assign different markers to assignments, manage grade moderation and control when marks are released to individual learners

Peer and self assessment

Workshop: My home country
Submission phase

Setup phase	Submission phase	Assessment phase	Grading evaluation phase	Closed
<ul style="list-style-type: none"> Set the workshop description Provide instructions for submission Edit assessment form Prepare example submissions 	<ul style="list-style-type: none"> Provide instructions for assessment Allocate submissions expected: 21 submitted: 20 to allocate: 0 There is at least one author who has not yet submitted their work Submissions deadline: Thursday, 23 February 2017, 5:00 PM (5 days ago) Late submissions are allowed Time restrictions do not apply to you Switch to the next phase 		<ul style="list-style-type: none"> Calculate submission grades expected: 21 calculated: 20 Calculate an assessment grades expected: 21 calculated: 20 Provide a conclusion of the activity 	

Peer and self assessment
Built-in activities such as workshops and surveys encourages learners to view, grade and assess their own and other course members' work as a group

Outcomes and rubrics

Outcomes and rubrics
Select from advanced grading methods to tailor the gradebook to your course and examination criteria

	pattern 0 points	unsuccessful 1 points	a recognisable pattern/rhythm 2 points	3 points
Use of poetic language	absence of any valid use of poetic language 0 points	occasional attempt at poetic language 1 points	a reasonable attempt at poetic language 2 points	competent and creative use of poetic language throughout the poem 3 points
Assignment criteria	does not meet the assignment criteria 0 points	partly meets the criteria by including either alliteration or onomatopoeia or three verses 1 points	partly meets the assignment criteria by including two out of alliteration/ onomatopoeia/ 3 verses 2 points	fully meets the assignment criteria 3 points
Relevance	subject matter does not relate to water 0 points	subject matter relates to water 1 points		

Competency based marking

Learning plan template
Digital Literacies Basics

Progress
2 out of 8 competencies are proficient

Comments (0)

Learning plan competencies

Name	Rating	Proficient	Status	Actions
Constructive 220221072 Path: Digital Literacies (Starter level) /	-	No	-	Edit Request review Find courses
Communicative 220220173 Path: Digital Literacies (Starter level) /	-	No	-	Edit
Civic 220220174 Path: Digital Literacies (Starter level) /	Competent	Yes	-	Edit
Creative 220220175 Path: Digital Literacies (Starter level) /	-	No	-	Edit

Competency based marking
Set up competencies with personal learning plans across courses and activities..

Security and privacy

Enrolment options

New staff induction

Teacher: Jeffrey Sanders

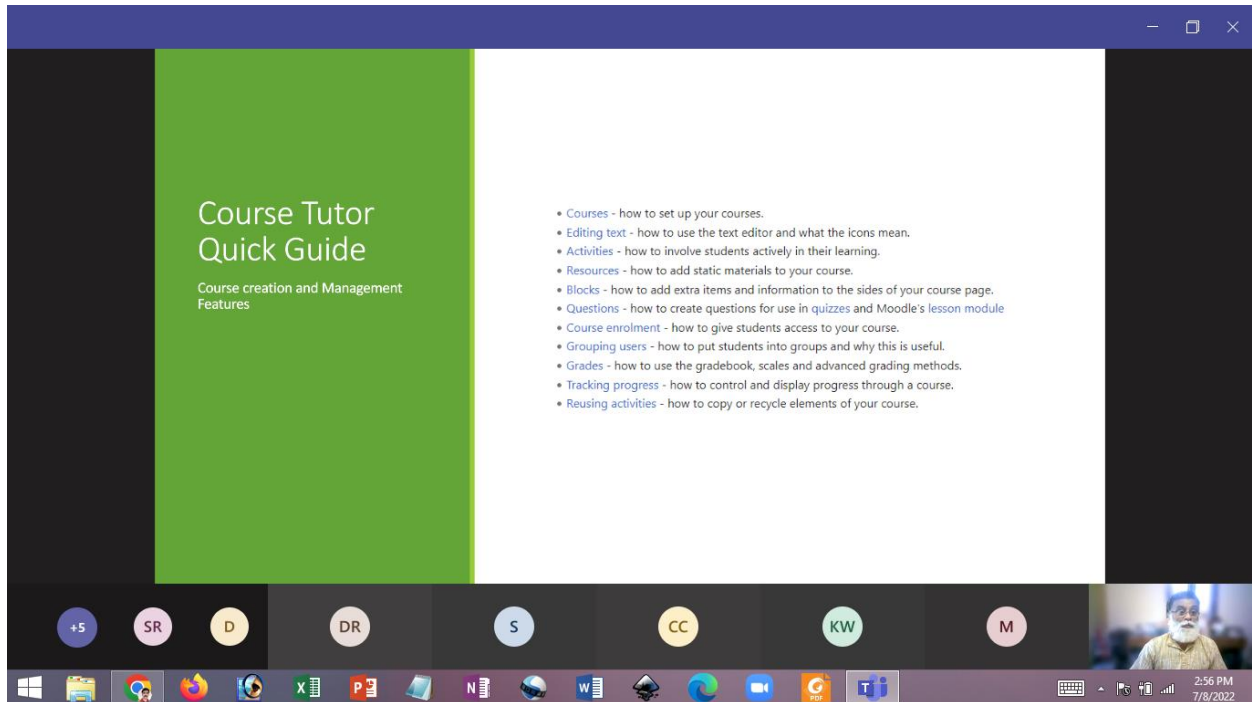
Self enrolment (Student)

Enrolment key Click to enter text

Enrol me

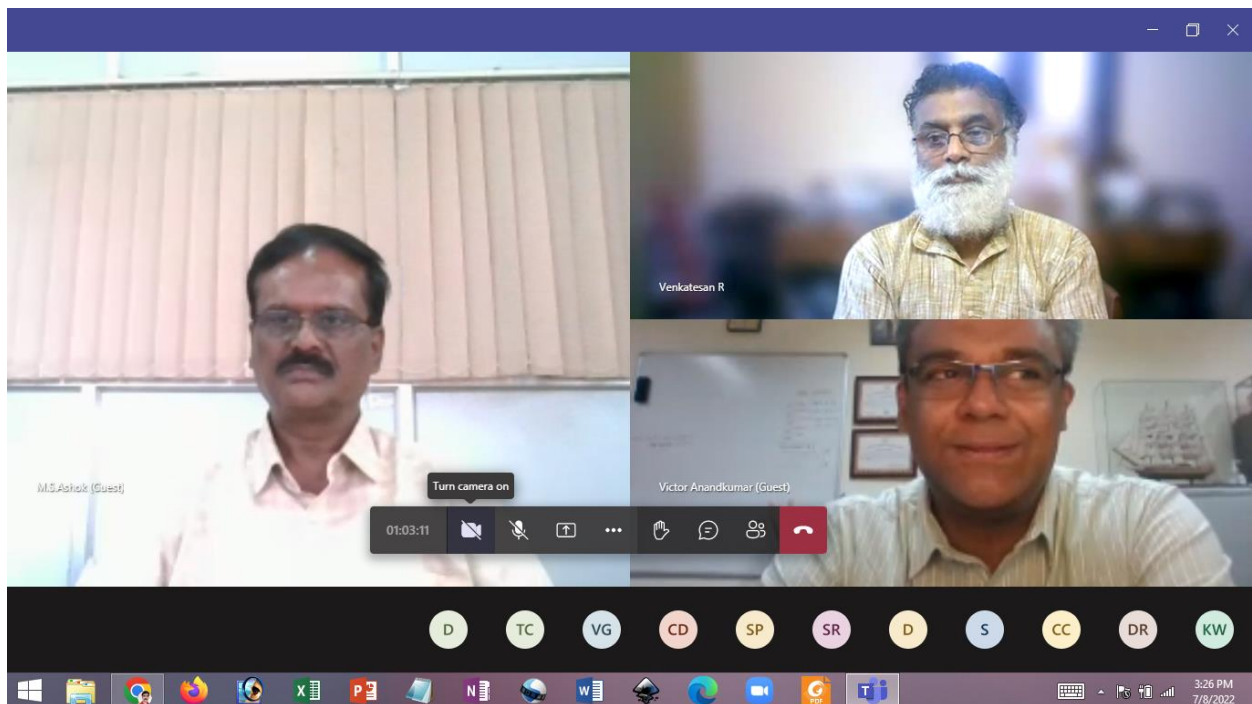
Security and privacy
Teach and share in a private space only you and your class can access

Course tutor quick guide



Course Tutor Quick Guide
Course creation and Management Features

- Courses - how to set up your courses.
- Editing text - how to use the text editor and what the icons mean.
- Activities - how to involve students actively in their learning.
- Resources - how to add static materials to your course.
- Blocks - how to add extra items and information to the sides of your course page.
- Questions - how to create questions for use in quizzes and Moodle's lesson module
- Course enrolment - how to give students access to your course.
- Grouping users - how to put students into groups and why this is useful.
- Grades - how to use the gradebook, scales and advanced grading methods.
- Tracking progress - how to control and display progress through a course.
- Reusing activities - how to copy or recycle elements of your course.



01:03:11

M.S.Ashok (Guest)

Turn camera on

Venkatesan R

Victor Anandkumar (Guest)

01:03:11

3:26 PM 7/8/2022

The first capacity building program was done for two hours from 2:30 pm to 4:30 pm. All the faculty members benefited out of the program. Prof. Venkatesan, Mr. Kalesh and Dr. Ashok clarified all the doubts and questions raised by the faculty members. It was a very useful program for the faculty members to conduct online/blended mode teaching.
