



QUANTUM UNIVERSITY

ICT-enabled tools for effective Teaching-Learning Process




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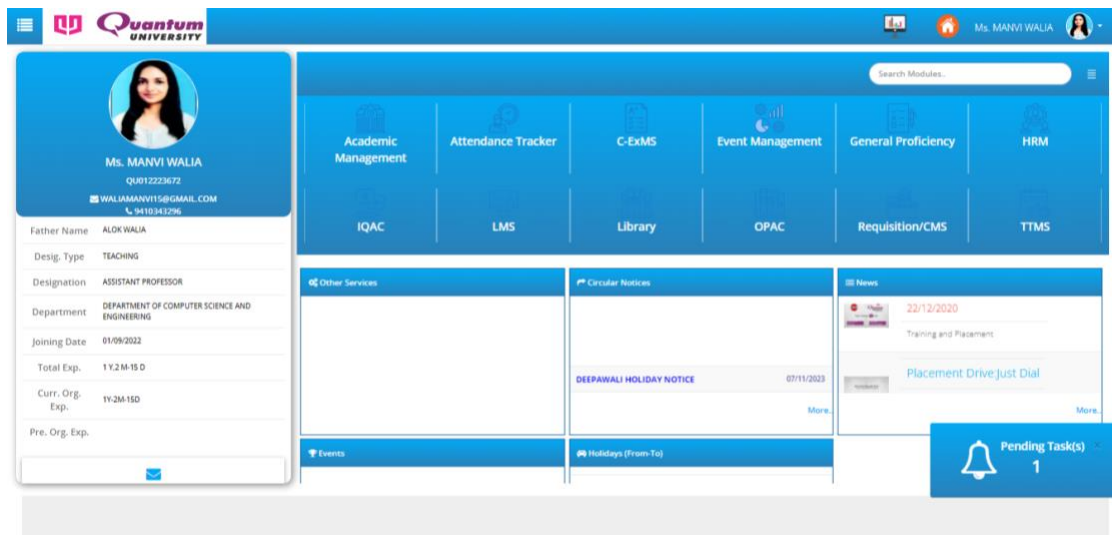

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Teachers use ICT enabled tools for effective teaching-learning process

The teaching-learning process in the context of ERP (Enterprise Resource Planning) involves training employees on the use and implementation of ERP systems in organizations. This includes conducting training programs, providing user manuals, and organizing interactive workshops. During the learning phase, users engage in hands-on practice, receive feedback, and may participate in collaborative learning. Ongoing support is essential for continuous improvement in utilizing the ERP system, contributing to enhanced organizational efficiency.

1.1 ICT Tool

This is ERP dashboard that displays key performance indicators and critical metrics within an organization. It provides a user-friendly interface with charts and graphs, integrating data from different modules. In summary, it's a centralized hub for monitoring and decision-making based on real-time insights.



1.2 Academic Management

The Academic Management Screen is a centralized platform that includes:

1. Academic:

- Manages student attendance, Lecture Plan, Extra classes and schedules.

2. Circular/Notices:

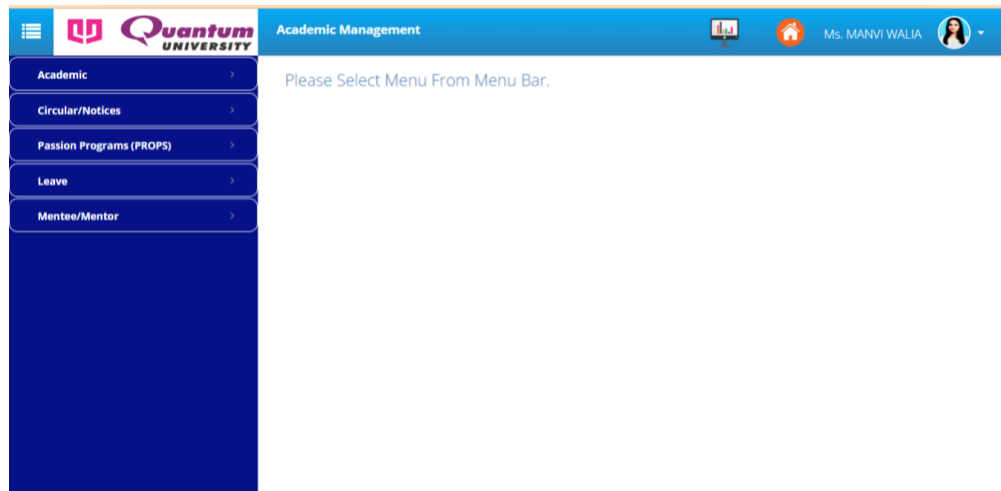
- Displays important announcements and circulars.
- Communicates event details, policy updates, and deadlines.

3. Props (Passion Programs)

- Manages PROP activity, weekly event evaluation.

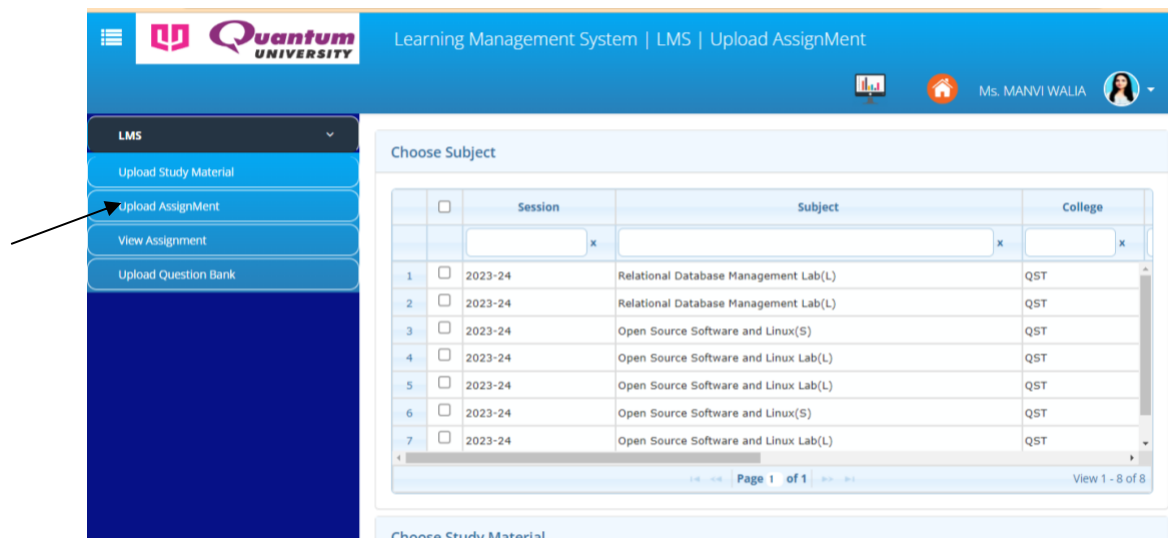
4. Mentor-Mentee:

- Facilitates mentorship programs.
- Provides information on assigned mentors/mentees and supports communication and goal tracking.



1.3 Assignment Uploading

The "upload assignment" option in an ERP system for education enables students to digitally submit their assignments. Users access a designated section, receive details about the assignment, and use the upload feature to submit files electronically. The system verifies files, timestamps submissions, and provides confirmation. Instructor's access a dashboard to review and grade assignments, and a notification system alerts users to due dates and updates. This streamlined process enhances efficiency and organization in managing assignments within an educational institution.



Under the "**Upload Assignment**" option, a list of assigned subjects will be visible to faculty members. Here, faculty can select the subject for which they want to assign an assignment to students. Below the

SUBJECT LIST, the "Assignment Upload" feature is available, allowing faculty to upload assignment file, assign marks, and set submission deadlines.

Assignment Upload

*Only documents in pdf, doc, docx, image format can be uploaded.
*Document Size should be less than 1 MB

Assignment Title: Submission Date: 16/11/20 Uploading Date: 16/11/20 Marks: 0 No file chosen

Assignment Type:

Uploaded Assignment

	Download	Delete	View Study Material	Add Assignment Student	SerialNo	Class	Subject
1			View Study Material	Add Student	CA31104-AS01	Quantum School of Technology / Bachelor of Computer Applications / 1 / N/A / SECTION - A / N/A	Open Source Software and Linux
2			View Study Material	Add Student	CA31104-AS01	Quantum School of Technology / Bachelor of Computer Applications / 1 / N/A / SECTION - C / N/A	Open Source Software and Linux

Uploaded Assignments

Below image shows list of assignments uploaded by students along with list of students who did not upload the assignment, below this list there is option to accept and reject the assignment uploaded by students. After accepting the assignment "Upload Marks" option is active to upload marks of student based on their performance.

College: QST Course: Bachelor of Computer Applications Sem/Year: 1

Branch: N/A Section: SECTION - A Set: N/A

Subject: Open Source Software and Linux(S) Type: Assignment Title: Tutorial-1: CA31104-AS01

Max Marks: 30

Uploaded Answer Details

Total Student: 79 Uploaded Answer: 69 Non-Uploaded Answer: 9

Answer Uploaded Student					Answer Not Uploaded Student				
	View	Download	StudentID	RollNo	StudentID	RollNo	Name	Father N	
1			23120146	1	23120142	15	AKSHAT KUMAR	AMAR SINGH	
2			23120302	2	23120171	16	ALISHA MIRZA	ASLAM AHMAD	
3			23120230	3	23120262	27	ARPETA TOMAR	JAYPAL SINGH TC	
4			23120298	4	23120081	29	ARYAN	MOHIT KUMAR	

1.4 Upload study Material

The "Upload Study Material" feature in an ERP system for education enables educators to easily share educational resources with students. Educators select the relevant course, upload files like lecture notes or presentations, and organize materials for accessibility. Students can then access the ERP system, view, and download the study materials.

	Session	Subject	College	Course	SemYear	Branch
1	<input type="checkbox"/> 2023-24	Relational Database Management Lal	QST	Bachelor of Computer Applications	3	N/A
2	<input type="checkbox"/> 2023-24	Relational Database Management Lal	QST	Bachelor of Computer Applications	3	N/A
3	<input type="checkbox"/> 2023-24	Open Source Software and Linux(S)	QST	Bachelor of Computer Applications	1	N/A
4	<input type="checkbox"/> 2023-24	Open Source Software and Linux Lab	QST	Bachelor of Computer Applications	1	N/A
5	<input type="checkbox"/> 2023-24	Open Source Software and Linux Lab	QST	Bachelor of Computer Applications	1	N/A
6	<input type="checkbox"/> 2023-24	Open Source Software and Linux(S)	QST	Bachelor of Computer Applications	1	N/A
7	<input type="checkbox"/> 2023-24	Open Source Software and Linux Lab	QST	Bachelor of Computer Applications	1	N/A
8	<input type="checkbox"/> 2023-24	Open Source Software and Linux Lab	QST	Bachelor of Computer Applications	1	N/A

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Study Material (E-Resources) Upload

Under the "Upload Study Material" feature, a list of assigned subjects will be visible. Firstly, faculty members will select the subject for which study material is to be uploaded. Below the subject list, the "Study Material (E-Resources)" section is available, offering options to upload e-books, video lectures, notes, and PowerPoint presentations (PPT).

Study Material Title: OSS & Linux, Unit-4

Objective Overview: Study Material includes practical approach based on libre office calc

Keywords: eg. 1,2,3

Uploading Date: 17/11/20

Choose File | No file chosen

Add Link of Video/Content Lectures

Video/Content Title	Link Title	Link Type	Link of Video/Content Lectures	Brief of Video/Content Lectures
https://youtu.be/YHFzr-akOas?fea	Third-Party Video Link	Third-Party Video Link	https://youtu.be/YHFzr-akOas?fea	

1.5 Lecture Plan

Quantum University
Quantum School of Technology

Course / Topic wise Schedule of Teaching

Name of The Faculty : HARVI WALIA Year / Sem : 1
Name of The Programme : Bachelor of Computer Applications Paper Code : CA31104
Name of The Paper : Open Source Software and Linux Session : 2023-24
Section :

Unit	Topic	No. Lecture taken	Teaching Methodology	CO / Bloom	Start Date	Complete Date	Reading References
1	What is Linux? -The Problems with Windows -The Benefits of Linux	3	Chalk and Board	CO1 / RE	23/08/2023	25/08/2023	1. Kier Thomas and Andy Channelle with Jamie Scam, "Beginning Ubuntu Linux", Apress
	Proprietary Software and the GPL- GNU and Linux Together- Different Flavors of Linux- Who Uses Linux?	4	Smart Class and Chalk Board	CO1 / RE	30/08/2023	06/09/2023	1. Kier Thomas and Andy Channelle with Jamie Scam, "Beginning Ubuntu Linux", Apress
	Understanding How Linux Differs from Windows- Using Ubuntu	1	Chalk and Board	CO1 / RE	06/09/2023	08/09/2023	1. Kier Thomas and Andy Channelle with Jamie Scam, "Beginning Ubuntu Linux", Apress
2	What is the BASH Shell?	2	Chalk and Board	CO1 / AB	16/08/2023	13/08/2023	1. Kier Thomas and Andy Channelle with Jamie Scam, "Beginning Ubuntu Linux", Apress

The creation of a lecture plan option in an ERP involves developing modules for course and lecture management, integrating a calendar, ensuring resource allocation, incorporating attendance tracking, implementing communication tools, enabling reporting and analytics, integrating with other ERP modules, providing mobile accessibility, offering user training and support, and planning for regular updates and improvements.

Schedule Lecture/Lesson Plan

Online/Offline: Offline Teaching Method: Chalk and Board

Delivery Method: BrainStorming Topic/Other: Topic

File Upload: Choose File No file chosen Reference: 2tGurdyLeete, Ellen

Create Lecture Plan

Added Topic Details

Topic	Unit
Proprietary Software and the GPL- GNU and Linux Together- Different Flavors of Linux- Who Uses Linux?	1
The File System Explained -File Searches -Using the Find Command -Using the locate Command	2

Created Lecture/Lesson Plan of "Open Source Software and Linux"

Preview	Download	Online/Offline	Date	Lecture Timing	Topic	Unit
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Offline	17/11/2023	9:00AM - 9:55AM	Adding, Subtracting, and More-Adding and other arithmetic -Adding with the Sum function - Rocketing into Orbit with Functions Using the Auto Pilot	4
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Offline	17/11/2023	9:00AM - 9:55AM	Managing Columns and Rows-Copying, pasting, cutting, dragging, and dropping your cells-Adding the Add - Remove Rows	4

2. Student Panel

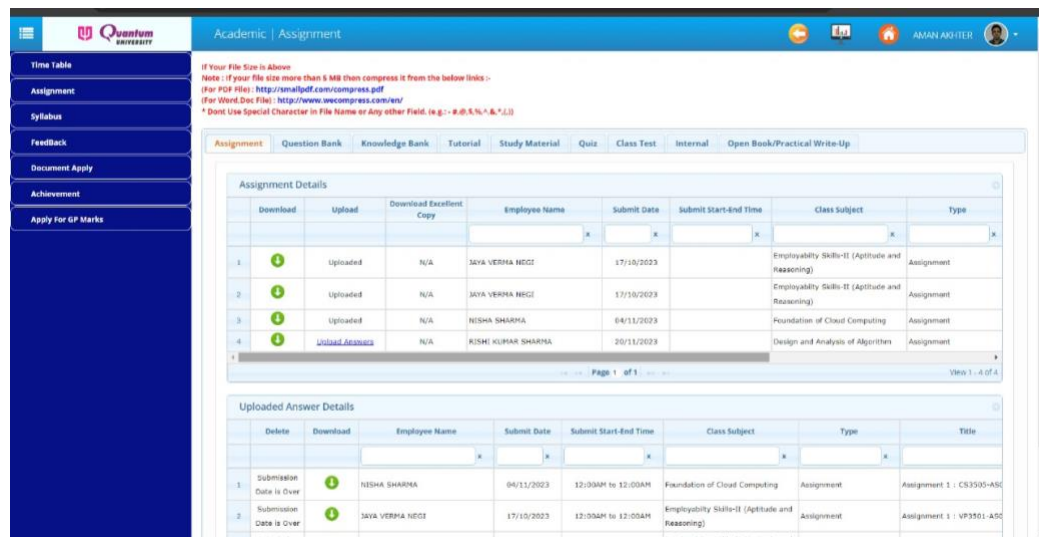
2.1 Student Dashboard

A student dashboard in an ERP system offers secure access to personal and academic information, including course schedules, grades, attendance records, and upcoming deadlines. It provides communication tools, registration options, library resources, and support features. The dashboard is designed for customization, mobile accessibility, and includes security measures while incorporating feedback mechanisms for continuous improvement. The goal is to enhance the student experience by centralizing essential information and functionalities in a user-friendly interface.



2.2 Assignment Upload

Below screen shows students list of assignments assigned to them with deadline. Students can download the assignment and can upload assignment in doc or pdf form. They can track their assignments and marks gained by them.



2.3 Study material

The ERP system enables faculty to upload course materials, associating them with specific courses. Students access these materials through a user-friendly interface, featuring search functionality and version control. The system supports various file formats, is accessible on mobile devices, and provides notifications for updates. Feedback mechanisms and analytics enhance student engagement and provide insights. Security measures protect uploaded materials, and integration with other modules ensures consistency. The system is scalable, and training resources are provided for faculty and students.

The screenshot displays the Quantum University Academic Assignment interface. The left sidebar contains navigation links: Time Table, Assignment, Syllabus, Feedback, Document Apply, Achievement, and Apply For GP Marks. The main header shows the Quantum University logo and the title 'Academic | Assignment'. The user profile 'RITIK KUMAR' is visible in the top right. Below the header, a note states: 'If Your File Size is Above Note : If your file size more than 5 MB then compress it from the below links :- (For PDF File) : <http://smallpdf.com/compress.pdf> (For Word,Doc File) : <http://www.wecompress.com/en/> * Dont Use Special Character in File Name or Any other Field. (e.g:- #,@,%,^,&,*,(,))'. The main content area features a tabbed interface with 'Study Material' selected. Below the tabs is a table with columns: Download File, Preview, View Topic, Employee Name, and a role column. The table lists two entries: 1. Download Multiple Files, Preview, View Topics, NIRMESH SHARMA, Principi; and 2. Download Multiple Files, Preview, View Topics, MOUSMI GOEL, Organ.

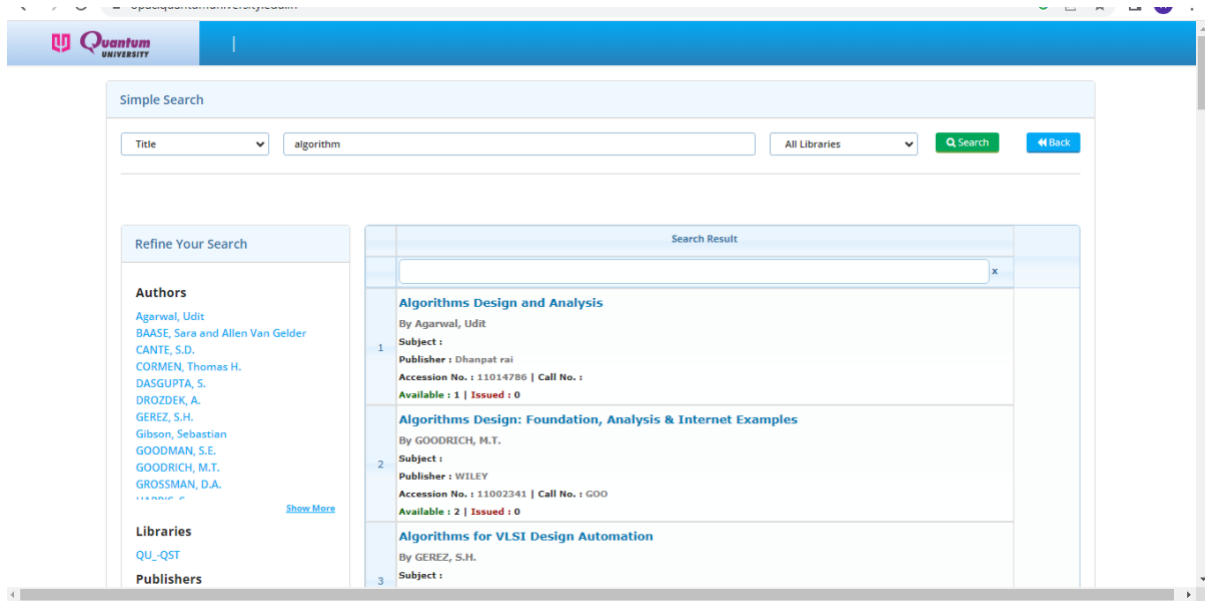
	Download File	Preview	View Topic	Employee Name	
1	Download Multiple Files	Preview	View Topics	NIRMESH SHARMA	Principi
2	Download Multiple Files	Preview	View Topics	MOUSMI GOEL	Organ

3. OPAC

Users after entering into the library, they can check the status of the materials available in the library through the OPAC module. Computer systems are placed near the entrance of the library for checking the status of the books and the user accounts on their own.

Web OPAC

Users can search the library material status and user accounts through WebOPAC module available in the LYBSYB software. The link is provided in the college website where user can directly login into the page and search the availability status.



Link: <https://opac.quantumuniversity.edu.in/>