

ERP POLICY

This document details the policy and manual for the ERP / LMS implemented in the institute





VISION

To be a centre of excellence for learning and research in engineering and technology, producing intellectually well-equipped and socially committed citizens possessing an ethical value system.

MISSION

- Offer well-balanced programme of instruction, practical exercise and opportunities in technology.
- Foster innovation and ideation of technological solutions on sustainable basis.
- Nurture a value system in students and engender in them a spirit of inquiry.

MUTHOOT INSTITUTE OF TECHNOLOGY AND SCIENCE



Muthoot Institute of Technology and Science (MITS: <http://mgmits.ac.in/>), is promoted by Muthoot M. George Institute of Technology, is a Section 25 Company within the Muthoot Group. It is a self-financing Engineering College, situated in the Industrial suburb of Kochi, close to the Smart City and Info Park. Started in 2013 with a clear vision to become a centre of excellence in learning, we have made some remarkable achievements and stand first among the self-financing Engineering colleges in Kerala in terms of academic results in Kerala Technological University (KTU). We train our students to be professionally capable, taking up new challenges and exploring latest technologies.

INSTITUTE OBJECTIVES

- **Academic Excellence:** To provide high-quality education that ensures students achieve academic excellence in engineering and related fields.
- **Research and Innovation:** To foster a culture of research, innovation, and creativity among students and faculty, encouraging cutting-edge research and development activities.
- **Industry Collaboration:** To establish and maintain strong collaborations with industries to ensure curriculum relevance, provide internship opportunities, and enhance employability through practical exposure.
- **Ethical and Social Responsibility:** To instil ethical values and a sense of social responsibility among students, preparing them to contribute positively to society and the environment.
- **Skill Development:** To equip students with the necessary technical, analytical, and soft skills required for their professional growth and adaptability in a dynamic global environment.
- **Lifelong Learning:** To encourage and support continuous learning and professional development among students and alumni, promoting a culture of lifelong learning.
- **Inclusive Education:** To provide an inclusive educational environment that supports diversity and offers equal opportunities for all students, regardless of their background.
- **Community Engagement:** To actively engage with the local community through outreach programs, partnerships, and service projects that address local and regional challenges.
- **Enhance Infrastructure and Facilities:** Continuously upgrade campus facilities, laboratories, and resources to provide a conducive learning environment and support cutting-edge research.

INTRODUCTION

Purpose of the Manual: To outline the policies, procedures, and best practices for usage of ERP in Muthoot Institute of Technology and Science.

Scope: Applies to all stakeholders (Faculty, Students, Staff and Parents) of the college.

Components:

- Faculty login.
- Student login.
- Staff login.
- Parent login.

MITS – Etblab Campus Management Software ERP.

The structure of the program will involve several modules which will carry out different sets of academic functionalities. The program will have the following modules/functionalities.

Modules:

User login System

- The software needs to be designed to work in a **user specific** manner. **Management, Principal, HOD, Staff adviser, Students, Parents, Teaching staff, Course coordinators, Office staff, and Managements** have their **separate logins** (There will be a provision to provide additional logins according to the request of the college).
- For each login, the system will perform only the functionalities corresponding to that particular login.

User-Administrator- Features

- The general features will include Course creation, Batch creation, Syllabus display, Student management, Staff management, Time table generation, Report generation including academic reports, facility to export to pdf, csv and word formats, Website administration and managements, SMS alerts, Emails, Internal messaging system, Campus news/bulletins issue, Exam schedules, Hall ticket generation, Exam results display, Parent interaction, ID card generation, Software login statistics, Graphical Analysis and Leave processing.
- It will be able to facilitate suspension of classes and periods, display attendance defaulters and Software user login statistics.

User- Faculty – Features

- Features such as attendance marking, academic Statistics Graphical Analysis, Student remarks, Parent interaction, Exam calendar, Exam scheduler, Exam Results, Internal marks, Evaluations, Digital Notice board, Remarks, Reviews, Time table, Calendar notifications, Performance comparison, Question bank, Question paper preparation, Assignments and Report generation, Study Materials, Subject Coverage, Subject Plan, Subject Syllabus, Subject Year Calendar, Course Diary creation, Substitutions, Special Class creation, SMS alerts, Internal messaging system and Emails will be available.

User- Student – Features

- Such features such include Attendance details, Exam Results, Study materials, Student activity corner, Calendar notifications, Home works, Question bank, Syllabus, News and events, Remarks, Reviews, Internal assessments, SMS alerts, Internal messaging system and Emails.

User- Parent – Features

- Attendance details, Student leave applying control, Exam Results, Study materials, Student activity corner, Calendar notifications, Home works, Question bank, Syllabus, News and

events, Remarks, Reviews, Internal assessments, SMS alerts, Internal messaging system and Emails will be available in this module.

Student Admission Module:

- Student online registration, Verification, Batch assigning, Admitting (admission no generation using desired criteria), Approval, Document submission and Report generation will be available in this mode.

Grievance Redressal Module:

- Grievance type, Grievances, Monthly report, Staff allocation with respect of grievance type, tracking status of grievances and customization as per institute requirements.

Analysis Module:

- Academic analysis, Batch analysis, Department analysis, Exam wise analysis, Student wise analysis, All Department wise analysis etc.

Survey Module:

- Faculty Feedback Surveys- Add surveys for students to review teacher performance of each semester subjects, Score calculation using desired formula, Resulting publishing, Result export as pdf.
- General Surveys- Add surveys for students, parents and faculties
- Course Exit Survey, Program exit survey etc.

Communications Methods:

- There will be a facility for SMS Alert System, Email integration, Circular, Digital Notice board, internal messaging system and Push notification.

Online Learning Modules:

- Online Live Class Room, Video Class Room Materials, Online Exam, Online Module Test, Online home work and Assignment and Online Study Material / Notes.

University Exam

- KTU Exam Creation (Regular/ supplementary), University Mark list Bulk Uploading (pdf or excel), Integrated with Attainment calculation etc.

User- Placement Coordinator – Features

- Placement coordinator will be able to sort students according to internal mark filters, university mark filters, backlogs, number of attempts to pass, total attempts, Student profile generation, Campus Drive details, Student Report Generation.

User- Alumni – Features

- TC issued students automatically become the member of Alumni module.

NAAC Accreditation Module:

This module will be able to generate the following reports

- Faculty Reports- Academic year wise/ Department wise report generation of faculty researches, publications, programs coordinated, programs attended, seminars guided, projects guided, consultancies, positions held etc.
- College Academic Report- Report generation based on filters (passed/not passed students, course, batch, semester, subject, total attempts to pass, total backlogs, current backlogs, internal mark %, university mark %, total mark % etc.).
- Student Academic Report- Report generation semester-wise and subject-wise based on filters (passed/not passed, total attempts to pass, internal mark %, university mark %, total mark % etc.)

NBA Module:

- Institute Program Outcomes (Admin Role), Department PEOs and PSOs (HOD Role), CO attainment (Subject teacher), CO Based Questions, CO Based Module Test, CO Based Tutorials, CO Based Surveys, CO Based Series Exam Mark adding, correspondence with Cos (CO1,CO2,CO3 etc.), Question Bank creation option (according to Bloom's Taxonomy), CO Based Assignments, Question Paper creation option from question bank, Mark Entry, Cut off criteria Settings, Bench Mark Settings, Internal/ External Attainment Calculation, CO attainment calculation, CO-PO Mapping, Direct Attainment, Course PO attainment and SAR Generation

Campus Management Software Mobile Applications:

Functionalities:

- Android and iOS Mobile Application
- Android and iOS Mobile application will be native in nature
- Mobile application will be available in Play Store and App Store

Teaching Staff Mobile Application Features

- Features such as attendance marking, Online classroom, Video Lectures, Course outcome entry, academic Statistics Graphical Analysis, Student remarks, Parent interaction, Exam calendar, Exam scheduler, Exam Results, Digital Notice board, Remarks, Reviews, Time table, Calendar notifications, Question bank, Assignments and Report generation, Study Materials, Subject Coverage, Subject Plan, Subject Syllabus, Series Exam, Assignment, Substitutions, Special Class creation, SMS alerts, Internal messaging system and Emails should be available.

Student Mobile Application Features

- Such features such include Attendance details, Online classroom, Video Lectures, Exam Results, Study materials, Student activity corner, Calendar notifications, Series exam, Assignment, Semester registration, Home works, Question bank, Syllabus, News and

events, Remarks, Reviews, Internal assessments, SMS alerts, Internal messaging system and Emails.

Parent Mobile Application Features

- Attendance details, Student leave applying control, Exam Results, Study materials, Student activity corner, Series exam, Assignment, Online classroom, Video Lectures, Calendar notifications, home works, Question bank, Syllabus, News and events, Remarks, Reviews, Internal assessments, SMS alerts and Internal messaging system.

Academic Fee Management – Features

- Fee Structure creation, Fee Collection window, Fee report (Transactional and receipt report), Fine System, Dues Integration, defaulters report, SMS and Email Interaction, receipt printing and Activity Log.

Hostel Management - Features:

- Web based Admin Section control panel, Master module to Create /modify Hostels, Mess bill calculation, Dues integration, Payment gateway integration, Mess out /Mess in Calculation, Fully responsive (compatible to all hand devices with iOS, Android and Windows), administration area secured with a username and password defined during installation, Monthly Billing, Mess point calculation, Mess bill Calculation, SMS and Email Integration and Receipt printing.

Transport Fee Management – Features

- Adding of vehicles, boarding point creations, monthly/ yearly fee creation, Fee Structure creation, Fee Collection window, Fee report (Transactional and receipt report), Fine System, Dues Integration, defaulters report, SMS and Email Interaction, receipt printing and activity Log.

Document Request Module:

- Students are able to request for different types of certificates like TC, Course Certificate, expense certificate, Bonafede certificate etc. Staff advisor verification, HoD approval and authorized authority to provide the certificate.

Semester Registration Module:

- Student online registration, Verification through staff advisor and approval from HoD. All type of reports like applied/verified/rejected/revoked/approved status. Due clearance section available here. Direct approval and hierarchy level semester registrations are available.

User- Due Management – Features

- All type of due system like department, library, fee, hostel, lab, placement etc. Easy access to view dues to the students, online payment gateway integrated due clearance system, automated no due certificates, different type of custom reports etc.



Etlab-Campus Management Software ERP

Internship Management– Features:

- Students are able to apply for internship, staff advisor verification and issuing certificate for submitting to the company. Company internship certificate upload option for student and custom reports.

Online Payment Gateway System:

- Multiple payment collection method for academic fee payment, Hostel Fee payment, custom reports, payment tracking system etc.

Fee Payment System for University Exams:

- Fee System for collecting University exams fee like regular exams, supplementary and improvement exams, Fee Collection window, Fee report (Transactional and receipt report), defaulters report, SMS and Email Interaction, Alerts and calendar integration, Receipt printing and Activity Log.

Counseling Module:

- Counseling types, Requests, Monthly report, Staff allocation with respect of counseling type, tracking status of counseling and customization as per institute requirements.

Institute Ticketing Module:

- Institute inside ticketing system for Staffs, Students and parents, tracking tickets with different status, ticket assigning to staffs and custom reports.

Asset Management Module:

- Adding new item, listing room wise items, category wise item list, different type of items adding/editing/deletion and item status (live/repair/replace/dead).

Exam Management (Autonomous) Software Module:

- User login System Module, Exam Calendar, Student Registration, Course Management, Question Paper Management, Attendance Management, Answer Script, Valuation Module, On-screen Valuation, Result Module, Online Payment Gateway System and Data Exporting Module (csv, excel, word and pdf).

STAFF

- Login to staff dashboard



- Choose  to edit personal details

- Staff can edit these profile details



- Choose



to manage students in different batches

Batch Name	Staff Advisor	Students	Current Semesters (Subjects)	Previous Semesters (Subjects)
CSCE 2K19	SMT. KAVITHA K V	10	IIInd Semester - Timetable, Class Timetable • Machine Learning (Elective III)	
CS 2K18	SMT. BINURAJAN M R	65	IVth Semester - Timetable, Class Timetable • Free and Open Source Software Lab	IIIrd Semester - Timetable • Data Structures • Data Structures Lab
CS 2K16	SMT. KUTTY MALU V K	62	VIIIth Semester - Timetable, Class Timetable • Principles of Information Security(Elective IV)	

- All batches are listed here.
- Choose particular batch

Roll No	UniRegNo	Name	Remarks	Academics	Photo
1		AISWARYA P B	Add remarks	Academic Analysis	
2		ANJANA S KUMAR	Add remarks	Academic Analysis	
3		ARYA R S	Add remarks	Academic Analysis	
4		ASHIQ S	Add remarks	Academic Analysis	

- All students in that batch are listed here.
- To add attendance of students, click on **+ Add Attendance**

The screenshot shows a user interface for managing attendance. On the left, there's a sidebar with 'Dashboard', 'My Classes', 'My Timetable', and 'Substitutions'. The main area has a breadcrumb path: Home > My Classes > CSCE 2K19 - 2nd Semester - Machine Learning (Elective III) > Select date. Below this is a section titled 'Select A date to Add Attendance' with a legend: green square for 'Attendance already added.', red square for 'Attendance not added.', and yellow square for 'Period Suspended.'. A date input field shows '2020-03-23'. A table below is labeled 'Attendance By Date' with the date '2020-03-23' again. The table has columns for Date, Day, and Period 1 through Period 6. The 'Add' button is red in all period columns for each date row.

- Select the date and click on add button.

The screenshot shows a modal dialog titled 'Add Attendance for 23/03/2020'. It contains a table with columns for Roll No., Name, and Period 1. The Period 1 column uses green and red colors to indicate attendance status. At the bottom, it shows 'Total Absent' as 2 and has a 'Save' button.

Roll No.	Name	Period
		1
58	VISHNU N	<input checked="" type="checkbox"/>
59	VISMAYA.A	<input checked="" type="checkbox"/>
62	YAMUNA.P.V	<input checked="" type="checkbox"/>
65	ARYA SUJEESH	<input type="checkbox"/>
66	ASWATHI CHANDRAN C	<input checked="" type="checkbox"/>
74	ADARSH K	<input checked="" type="checkbox"/>
75	AMAL M P	<input checked="" type="checkbox"/>
76	JIBIN MATHEW	<input checked="" type="checkbox"/>
	Total Absent	2
Subject Coverage:	Select	
		<input checked="" type="button"/> Save

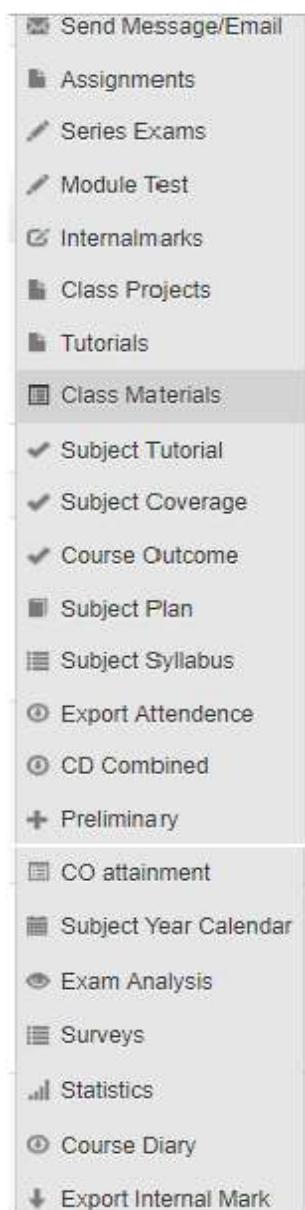
- Enter the attendance and click on save button.

➤ Choose  **View Attendance** to view attendance by date or by month.

➤ Choose  **Special classes** to add special classes.
Can add morning and evening sessions and other sessions.

➤ Choose  **Substitute** to substitute a particular hour to another staff.

➤ Click on more button



- Staff can send message/email to students and parents.
- Can issue assignments.
- Can create series exams.
- Can create module tests.
- Can add internal marks.
- Can give class projects
- Can upload tutorials.
- Can upload class materials.
- Can upload subject tutorials.
- Can add subject coverage.
- Can add course outcomes.
- Can create subject plan.
- Can add subject syllabus.
- Can download attendance of all the students.
- Can download combined course diary.
- Can manage project and seminars.
- Staff can calculate co attainment.
- Can view subject year calendar.
- Can analyze exam marks.
- Can issue surveys.
- Can view student performance statistics.
- Can download course diary.
- Can download internal marks

➤ Choose  to view time table, substitutions from other staff

Timetable

and attendance restrictions



➤ Choose 

Timetable

Timetable						
Day	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Monday	--	Machine Learning (Elective III) in CSCE 2K19 [Theory]	--	Free and Open Source Software Lab in CS 2K18	Free and Open Source Software Lab in CS 2K18	Free and Open Source Software Lab in CS 2K18
Tuesday	--	Principles of Information Security(Elective IV) in CS 2K16	--	--	--	Principles of Information Security(Elective IV) in CS 2K16
Wednesday	--	Principles of Information Security(Elective IV) in CS 2K16	--	Machine Learning (Elective III) in CSCE 2K19 [Theory]	--	--
Thursday	--	--	--	Free and Open Source Software Lab in CS 2K18	Free and Open Source Software Lab in CS 2K18	Free and Open Source Software Lab in CS 2K18
Friday	Machine Learning (Elective III) in CSCE 2K19 [Theory]	--	--	--	--	--

➤ Time table of staff is displayed here.

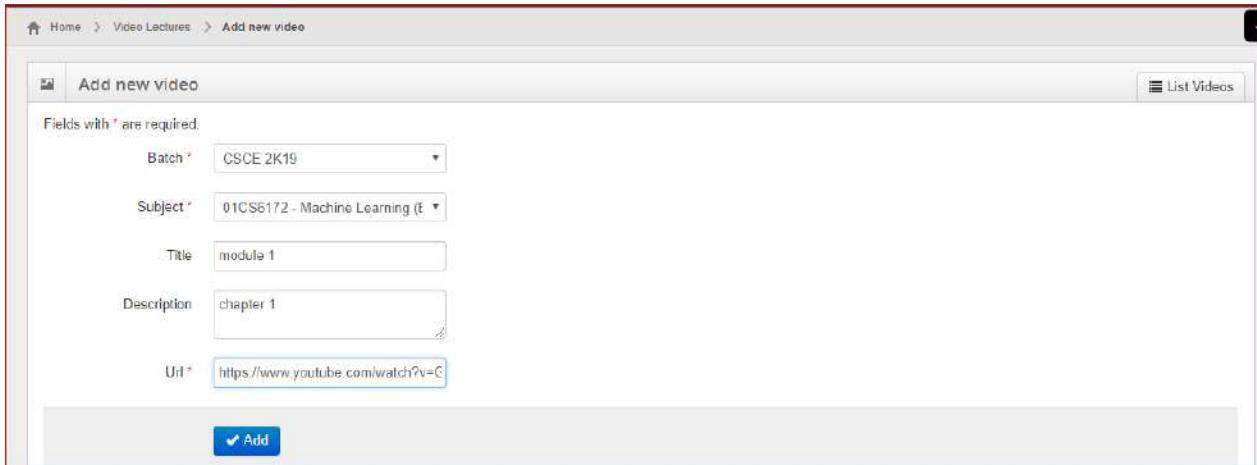
➤ Choose 

to upload YouTube videos

Video Lectures							
Displaying 1-1 of 1 result.							
Batch	Semester	Subject	Title	Description	Url	Added	
CSCE 2K19	IInd Semester	Machine Learning (Elective III)	test1	test		25/03/2020	 

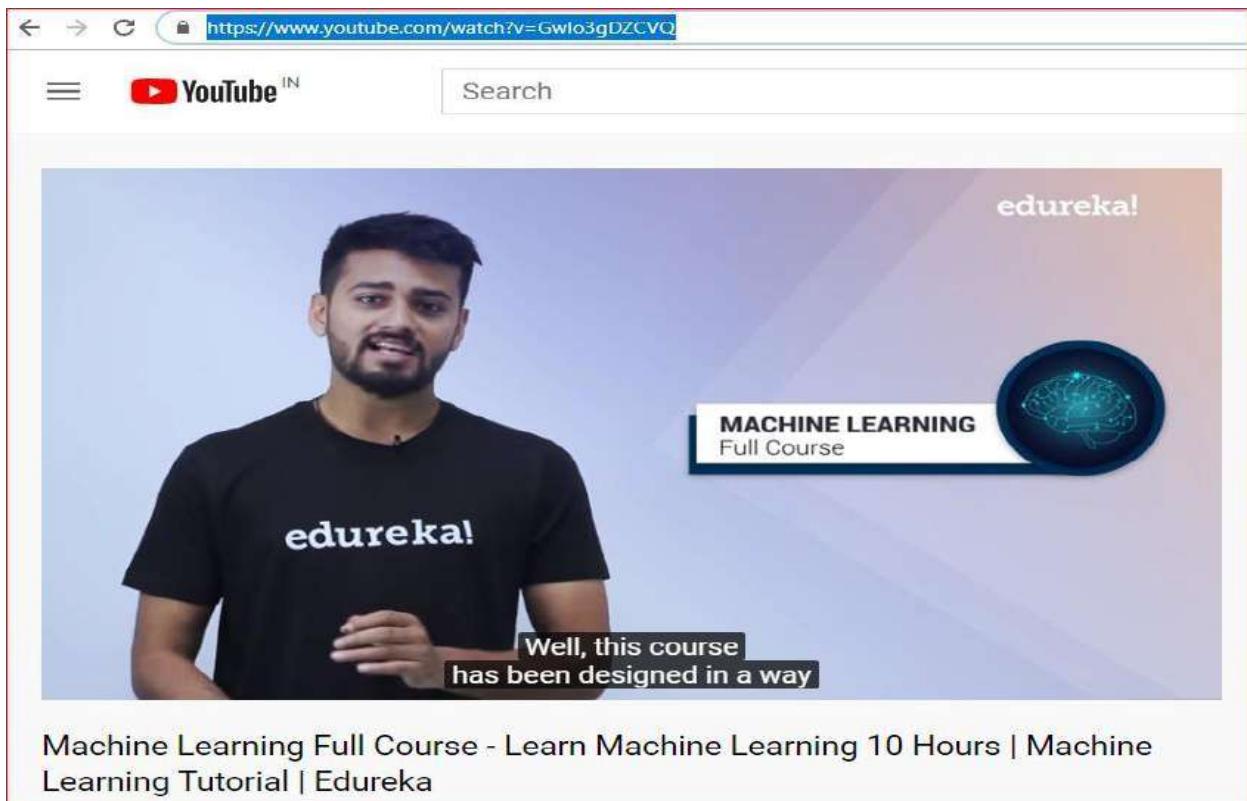
➤ Previously added videos will display here. Can view, update and delete the video.

- To upload new video, click on **+ Add New Video** button.



The screenshot shows a web-based application for adding a new video. At the top, there's a navigation bar with links to Home, Video Lectures, and Add new video. Below the navigation is a header with a 'List Videos' button. The main form has fields for Batch (CSCE 2K19), Subject (01CS6172 - Machine Learning (I)), Title (module 1), Description (chapter 1), and Url (https://www.youtube.com/watch?v=Gwl03gDZCVQ). A blue 'Add' button is at the bottom right of the form area.

- Choose batch, subject with title and description
- Copy URL from browser and paste on Url field, then click on add button to upload the video.
- Copy url as shown below:



Login to admin dashboard

Tue, 20 Apr 2021 11:17:08 GMT+0530 (India Standard Time)

admin Messages Logout

Total No. of Courses offered = 7 Total Number Of Students = 5011 Female To Male Student Ratio = 0.63 Total Number Of Staff = 354 Female To Male Staff Ratio = 0.63

Dashboard

Batches

Students

Staff

Email

SMS

User Stats

Settings **Batches** **Students** **Staff**

Subject Pool **Laboratory** **Registration** **Attendance Defaulters**

Suspend Periods **Special Class** **Duty Leave** **Clubs**

April 2021

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

➤ Choose batches

Tue, 20 Apr 2021 11:18:08 GMT+0530 (India Standard Time)

admin Messages Logout

Displaying 1 to 7 of total 7 courses

Course Name	Type	Department	No of active batches	No of students
MECHANICAL ENGINEERING	BTech KTU	MECHANICAL ENGINEERING	11	893
COMPUTER SCIENCE AND ENGINEERING	BTech KTU	COMPUTER SCIENCE & ENGINEERING	6	450
CIVIL ENGINEERING	BTech KTU	CIVIL ENGINEERING	11	747
CHEMICAL ENGINEERING	BTech KTU	CHEMICAL ENGINEERING	5	348
ELECTRONICS & COMMUNICATION ENGINEERING	BTech KTU	ELECTRONICS & COMMUNICATION ENGINEERING	10	797
ELECTRICAL & ELECTRONICS ENGINEERING	BTech KTU	ELECTRICAL & ELECTRONICS ENGINEERING	10	797
MECHANICAL ENGINEERING _ PRODUCTION	BTech KTU	MECHANICAL ENGINEERING	4	252

➤ Choose course and batch

Home > Batches > MECHANICAL ENGINEERING > ME 2K20A

Dashboard

Batches

Students

Staff

Email

SMS

User Stats

Reports

Class Name: ME 2K20A

Duration: 2020 - 2024

Staff Advisor: DR. SUDHEERA, DR.KRISHNA KUMAR T S, FARAZ P JUNAID.

Current Semester: Ist Semester

Semester Duration: 11/12/2020 - 31/05/2021

Semester Itinerary Add Attendance View Attendance View Duty Leaves Practical Groups More

Total 68 results.

Admission No	University RegNo	Roll No	Name	Add/Update Marks	View Marks	Academics	Photo
200196		B20MEA02	AABID NASAR	Add/Update Marks	View Marks	Academic Analysis	
200699		B20MEA03	AADIL SWALAH	Add/Update Marks	View Marks	Academic Analysis	

- Click on more button and choose **Assign Teachers** to assign multiple teachers to subjects.

Subject	Assigned Teachers
MAT101 - LINEAR ALGEBRA AND CALCULUS	DR. RIYAS A. ×
PHT110 - ENGINEERING PHYSICS B	DR SHEMIM S S × DR. PRABHASH PRASANNAN GEETHA ×
EST110 - ENGINEERING GRAPHICS	DR.KRISHNA KUMAR T S × SYED MUHAMMED FAHD ×
EST130 - BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	ASWATHY G P × SUNITHA BEEVI K × MOHAMED NADIR N ×

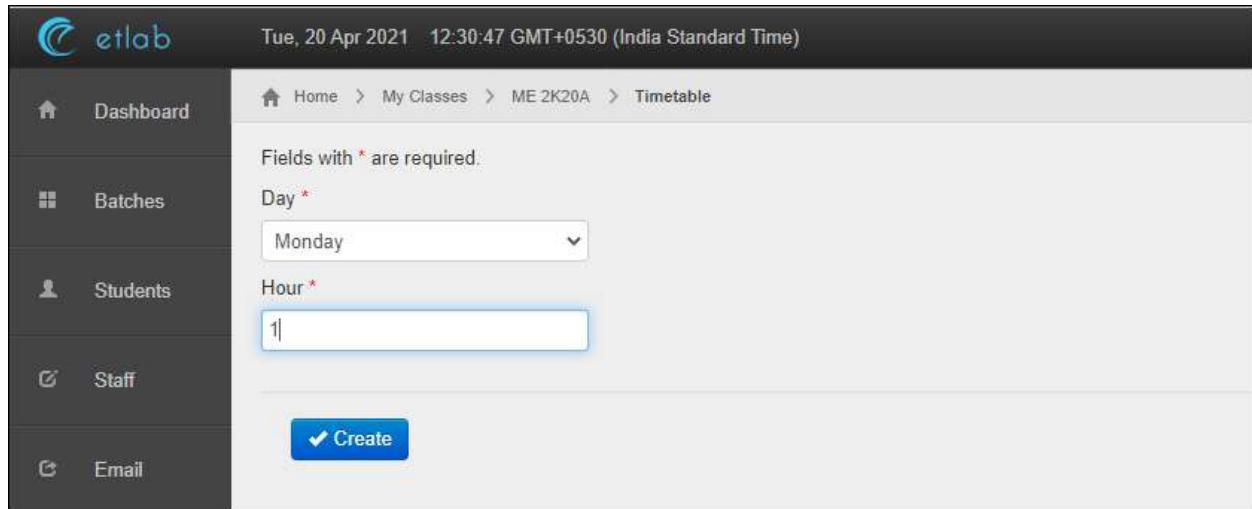
- Assign teachers and click on save button.
- Then click on button to set timetable with multiple teachers for single subject.

Day	Period 1		Period 2		Period 3		Period 4		Period 5		Period 6		Period 7	Period 8
	Subject	Teacher	Subject	Teacher	Subject	Teacher	Subject	Teacher	Subject	Teacher	Subject	Teacher		
Monday	RLMCA204 - BIG DATA TECHNOLOGIES [Theory] FOUSIA M SHAMSUDEEN		RLMCA206 - MOBILE COMPUTING [Theory] FOUSIA M SHAMSUDEEN		Elective 1 [Theory] FOUSIA M SHAMSUDEEN		RLMCA208 - INTRODUCTION TO MACHINE LEARNING [Theory] DR NADERA BEEVI S		Practical		Practical		Free Period	Free Period
Tuesday	Elective 1 [Theory]		RLMCA206 - MOBILE COMPUTING [Theory] FOUSIA M SHAMSUDEEN		RLMCA202 - Application Development And Maintenance [Theory] JASMIN M R		RLMCA208 - INTRODUCTION TO MACHINE LEARNING [Theory] DR NADERA BEEVI S		Practical		Practical		Free Period	Free Period
Wednesday	Elective 1 [Theory]		Practical		Practical		RLMCA204 - BIG DATA TECHNOLOGIES [Theory] FOUSIA M SHAMSUDEEN		RLMCA208 - INTRODUCTION TO MACHINE LEARNING [Theory] DR NADERA BEEVI S		RLMCA202 - Application Development And Maintenance [Theory] JASMIN M R		Free Period	Free Period

➤ Click on **Edit** button to edit timetable

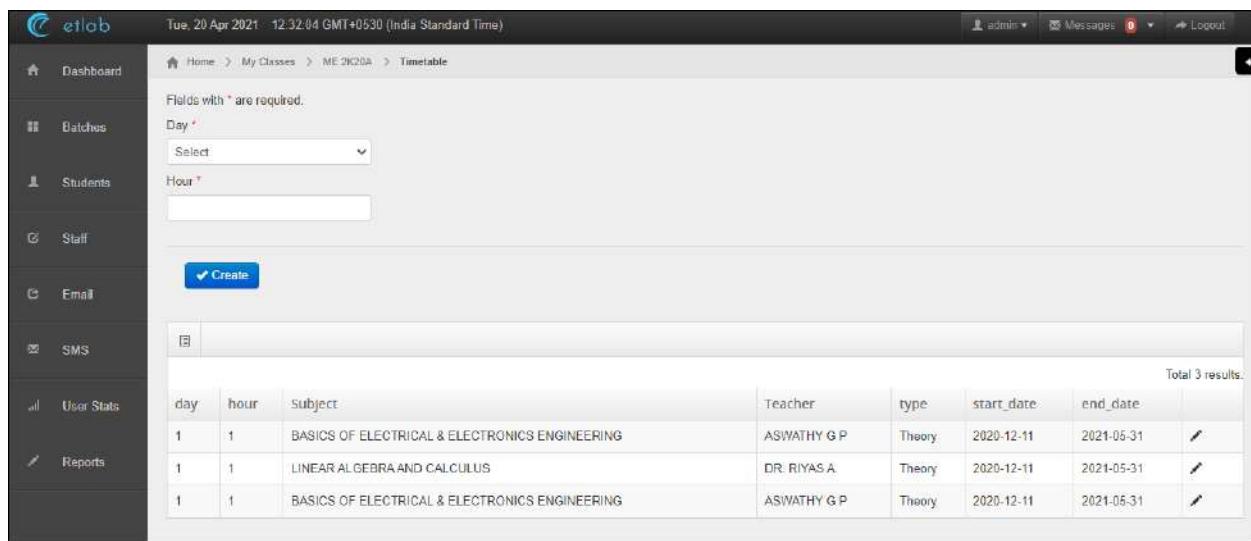
- Assign required staff.
- Admin can set the start date of the change in the timetable.
- Then click on save button.

- Click on  button to change the start date and end date of a particular hour in the timetable.



The screenshot shows the etlab platform's Timetable creation interface. The top navigation bar displays the date as Tue, 20 Apr 2021 12:30:47 GMT+0530 (India Standard Time). The left sidebar contains links for Dashboard, Batches, Students, Staff, Email, and SMS. The main content area shows fields for 'Day *' (Monday) and 'Hour *' (1), both marked with red asterisks indicating they are required. A blue 'Create' button is located at the bottom of the form.

- Select day and hour and click on create button.



The screenshot shows the etlab platform's Timetable creation interface. The top navigation bar displays the date as Tue, 20 Apr 2021 12:32:04 GMT+0530 (India Standard Time). The left sidebar contains links for Dashboard, Batches, Students, Staff, Email, and SMS. The main content area shows fields for 'Day *' (Select) and 'Hour *' (empty), both marked with red asterisks. A blue 'Create' button is located at the bottom of the form. Below the form, a table titled 'User Stats' lists three entries:

	day	hour	subject	Teacher	type	start_date	end_date	
all	1	1	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	ASIWATHY G P	Theory	2020-12-11	2021-05-31	
Reports	1	1	LINEAR ALGEBRA AND CALCULUS	DR. RIYAS A.	Theory	2020-12-11	2021-05-31	
	1	1	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	ASIWATHY G P	Theory	2020-12-11	2021-05-31	

- You can edit start date and end date of the particular periods by clicking on edit button

The screenshot shows the etlab application interface. At the top, there is a header bar with the date and time: "Tue, 20 Apr 2021 12:44:44 GMT+0530 (India Standard Time)". Below the header is a navigation menu on the left with icons and text: "Dashboard", "Batches", "Students", "Staff", and "Email". The "Dashboard" item is highlighted. To its right, a breadcrumb navigation shows: Home > My Classes > Timetable. A message "Fields with * are required." is displayed. Below this are two input fields: "Start Date" containing "2020-12-11" and "End Date" containing "2021-05-31". At the bottom right is a blue "Save" button with a checkmark icon.

- Enter start and end date and click on save button
- Click on to check time tables by date.

COURSE PLAN

- Access my classes section from the staff login dashboard.
- Select any class from the listed classes.
- And click on the “Course Plan” button (Fig:1).

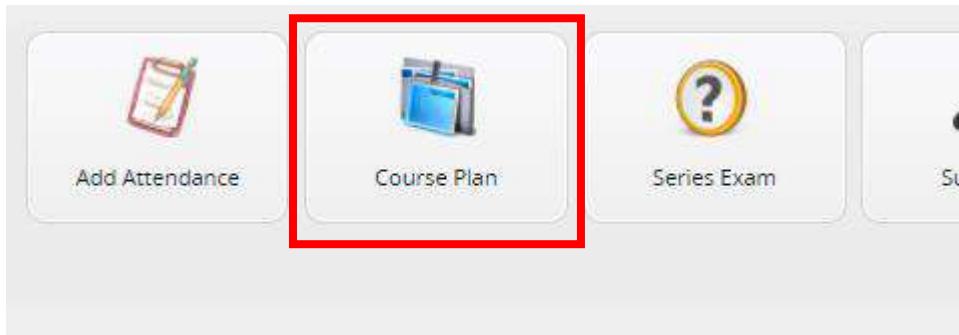


Fig:1

- Course plan module comprises of **Subject Syllabus**, **Subject Plan** And **Subject coverage**.
- The default loaded page will be **Subject Coverage** and you can navigate between Syllabus, Plan and Coverage from the buttons (Fig:2) available at the top of the page.

A screenshot of the 'Subject Coverage' page. At the top, there are three buttons: 'Syllabus' (highlighted with a red box and has a red arrow pointing to it), 'Subject Plan', and 'Subject Coverage'. The main content area shows a grid for 'Module 1' with four slots. The first slot is labeled 'Slot 4' with 'Date: 2021-06-28 Hr.1'. The second slot is 'Slot 3' with 'Date: 2021-06-21 Hr.1'. The third slot is 'Slot 2' with 'Date: 2021-06-14 Hr.1'. The fourth slot is 'Slot 1' with 'Date: 2021-06-07 Hr.1'. On the left, there's a sidebar with navigation links like 'Dashboard', 'My Classes', 'My Timetable', etc., and a detailed list of topics under 'Module 1'.

Fig:2

1. Syllabus

- Click on Syllabus button from Fig:1 to access the Subject Syllabus.
- The subject Syllabus added will be listed module wise.(Fig: 3)

A screenshot of the 'Syllabus' page. At the top, there are three buttons: 'Syllabus' (highlighted with a red box), 'Subject Plan', and 'Subject Coverage'. Below the buttons, it says 'Syllabus - BE110 - Engineering Graphics'. There are three expandable sections labeled 'MODULE 1', 'MODULE 2', and 'MODULE 3', each with a '+' sign to its right.

Fig:3

- To add new syllabus topics click on the “**Add Syllabus Topics**” button available on the top right of the screen.
 - On clicking the above button you will be guided to a form (Fig:4) and there you have to select the module name, enter the main topic and then click on the “**Add Sub Topic**” button to add the sub topic (Each time this button is clicked a new text field will be visible to add another sub topic) and click on the “**Add**” button to save the syllabus.
 - NB: For practical subjects the option syllabus is renamed as Experiments and here you have to enter the experiment name instead of topic. And the add sub topic button won't be available.

While adding a topic you should add the subtopics too. Without subtopics you cannot add Subject Plan or Subject Coverage.

+ Add Syllabus Topics For BE110 - Engineering Graphics

Module:	1	
Topic:		
S.No.	Sub Topic*	
1.	Enter Sub Topic	X
2.	Enter Sub Topic	X
+ Add Sub Topic		
✓ Add		

Fig:4

- To view each module syllabus click on the module name (Fig:3). Click on “**Update/Archive/Delete**” button to update or archive a topic and its sub topic. Clicking the button you will be guided to the update form where you can update topic and sub topics or add new sub topics or archive each topic and sub topics together.
- NB: Archiving a topic will disable all the subject plan and subject coverage added on that topic by all teachers. Any updates made to the syllabus will be reflected in syllabus, plan and coverage of all other teachers currently handling and previously handled this subject in any batch.

2. Subject Plan

- Click on Subject Plan button from Fig:1 to access the Subject Plan.
- In subject plan view page on the left-side of the screen all the Syllabus of the subject is listed and on the remaining screen the slots corresponding to your timetable will be shown(Fig: 5)

Syllabus		Subject Plan		Subject Coverage		Instructions					
Module 1		Import Subject Plan Delete All Plans Autofill Subject Plan Export									
Topic added to plan		Topic not added to plan									
Slot 1 Exp Date: 2021-08-07 Hr:1	Slot 2 Exp Date: 2021-08-14 Hr:1	Slot 3 Exp Date: 2021-08-21 Hr:1	Slot 4 Exp Date: 2021-08-28 Hr:1	Slot 5 Exp Date: 2021-09-05 Hr:1	Slot 6 Exp Date: 2021-09-12 Hr:1						
Slot 7 Exp Date: 2021-09-10 Hr:1	Slot 8 Exp Date: 2021-09-17 Hr:1	Slot 9 Exp Date: 2021-09-24 Hr:1	Slot 10 Exp Date: 2021-09-30 Hr:1	Slot 11 Exp Date: 2021-09-18 Hr:1	Slot 12 Exp Date: 2021-09-25 Hr:1						
Slot 13 Exp Date: 2021-08-30 Hr:1	Slot 14 Exp Date: 2021-09-06 Hr:1	Slot 15 Exp Date: 2021-09-13 Hr:1	Slot 16 Exp Date: 2021-09-20 Hr:1	Slot 17 Exp Date: 2021-09-27 Hr:1	Slot 18 Exp Date: 2021-10-04 Hr:1						
Slot 19 Exp Date: 2021-10-11 Hr:1	Slot 20 Exp Date: 2021-10-18 Hr:1	Slot 21 Exp Date: 2021-10-25 Hr:1	Slot 22 Exp Date: 2021-11-01 Hr:1	Slot 23 Exp Date: 2021-11-08 Hr:1	Slot 24 Exp Date: 2021-11-15 Hr:1						

Fig:5

- In a slot it will have the slot number and the expected date and hour that the slot will occur as per the timetable.
- Click on the module name of the syllabus section expand syllabus of each module.
- To add a subject plan topic to a timetable slot place your mouse cursor on a syllabus sub-topic (Mouse cursor will change to drag/grab icon) and **drag** (Fig:6) the topic on to the top of the desired timetable slot and **drop** (Fig:7) it there. Then you can see the selected topic added to the corresponding slot.(Fig:8)

instruments	Exp Date: 2021-08-30 Hr:1	Exp Date: 2021-09-06 Hr:1
Projection of Points and Lines: <input type="checkbox"/>		
Types of projections: Principles of Orthographic projection of points and lines.		
TUTORIAL	Slot 20 Exp Date: 2021-10-18 Hr:1	
Determination of true length, inclination with planes of projection, simple cases only Oblique lines and Traces of lines. Projection of oblique lines in different positions		Slot 26 Exp Date: 2021-11-29 Hr:1
inclination with planes of projection, simple cases only		
Oblique lines and Traces of lines.	Exp Date: 2021-11-22 Hr:1	

Fig:6

ES	Slot 7 Exp Date: 2021-07-19 Hr:1	Slot 8 Exp Date: 2021-07-26 Hr:1	Slot 9 Exp Date: 2021-08-02 Hr:1	Slot 10 Exp Date: 2021-08-09 Hr:1	Slot 11 Exp Date: 2021-08-16 Hr:1	Slot 12 Exp Date: 2021-08-23 Hr:1
Principles of drawing and drawing instruments:	Slot 13 Exp Date: 2021-08-30 Hr:1	Slot 14 Exp Date: 2021-09-06 Hr:1	Slot 15 Exp Date: 2021-09-13 Hr:1	Slot 1 Exp Date: 2021-09-20 Hr:1	Slot 17 Exp Date: 2021-10-04 Hr:1	Slot 18 Exp Date: 2021-10-04 Hr:1
Principles of drawing and drawing instruments:	Slot 19 Exp Date: 2021-10-11 Hr:1	Slot 20 Exp Date: 2021-10-18 Hr:1	Slot 21 Exp Date: 2021-10-25 Hr:1	Slot 2 Exp Date: 2021-11-01 Hr:1	Slot 23 Exp Date: 2021-11-15 Hr:1	Slot 24 Exp Date: 2021-11-15 Hr:1
Principles of drawing and drawing instruments:	Slot 25 Exp Date: 2021-11-22 Hr:1	Slot 26 Exp Date: 2021-11-29 Hr:1	Slot 27 Exp Date: 2021-12-06 Hr:1	Slot 28 Exp Date: 2021-12-13 Hr:1	Slot 29 Exp Date: 2021-12-20 Hr:1	Slot 30 Exp Date: 2021-12-27 Hr:1

Fig:7

Module 1	Slot 7 Exp Date: 2021-07-19 Hr:1	Slot 8 Exp Date: 2021-07-20 Hr:1	Slot 9 Exp Date: 2021-08-02 Hr:1	Slot 10 Exp Date: 2021-08-08 Hr:1	Slot 11 Exp Date: 2021-08-15 Hr:1	Slot 12 Exp Date: 2021-08-23 Hr:1
	Slot 13 Exp Date: 2021-08-30 Hr:1	Slot 14 Exp Date: 2021-09-06 Hr:1	Slot 15 Exp Date: 2021-09-13 Hr:1	Slot 16 Exp Date: 2021-09-20 Hr:1	Slot 17 Exp Date: 2021-09-27 Hr:1	Slot 18 Exp Date: 2021-10-04 Hr:1
					Determination of true length, inclination with planes of projection, simple cases only Oblique lines and Traces of lines. Projection of oblique lines in different positions	
	Slot 19 Exp Date: 2021-10-11 Hr:1	Slot 20 Exp Date: 2021-10-18 Hr:1	Slot 21 Exp Date: 2021-10-25 Hr:1	Slot 22 Exp Date: 2021-11-01 Hr:1	Slot 23 Exp Date: 2021-11-08 Hr:1	Slot 24 Exp Date: 2021-11-15 Hr:1
	Slot 25 Exp Date: 2021-11-22 Hr:1	Slot 26 Exp Date: 2021-11-29 Hr:1	Slot 27 Exp Date: 2021-12-06 Hr:1	Slot 28 Exp Date: 2021-12-13 Hr:1	Slot 29 Exp Date: 2021-12-20 Hr:1	Slot 30 Exp Date: 2021-12-27 Hr:1
	Slot 31 Exp Date: 2022-01-03 Hr:1	Slot 32 Exp Date: 2022-01-10 Hr:1	Slot 33 Exp Date: 2022-01-17 Hr:1	Slot 34 Exp Date: 2022-01-24 Hr:1	Slot 35 Exp Date: 2022-01-31 Hr:1	Slot 36 Exp Date: 2022-02-07 Hr:1

Fig:8

- You can drag and drop multiple topics to a slot if required.
- Also if needed a topic can be added multiple times in to the subject plan.
- On adding a subject plan topic to a slot by dragging it will be saved with a default delivery method (Fig: 9). You can edit this by just choosing required delivery method from the drop-down.
- To delete a subject plan topic click on the trash icon (Fig: 9).
- You can move one subject plan from one slot to another by drag and dropping.(Fig:10)

Slot 16 Exp Date: 2021-09-13 Hr:1	Slot 17 Exp Date: 2021-09-20 Hr:1
projections of solids with axis inclined to one of the reference planes <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Module 2	Determination of true length, inclination with planes of projection, simple cases only Oblique lines and Traces of lines. Projection of oblique lines in different positions <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Module 1

Fig:10 a) Dragging from slot 16 to slot 17.

Slot 15 Exp Date: 2021-09-13 Hr:1	Slot 16 Exp Date: 2021-09-20 Hr:1	Slot 17 Exp Date: 2021-09-27 Hr:1
projections of solids with axis inclined to one of the reference planes <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Module 2	Determination of true length, inclination with planes of projection, simple cases only Oblique lines and Traces of lines. Projection of oblique lines in different positions <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Module 1	
Slot 21 Exp Date: 2021-10-25 Hr:1	Slot 22 Exp Date: 2021-11-01 Hr:1	Slot 23 Exp Date: 2021-11-08 Hr:1
Axis inclined to both the reference planes. <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Module 2		
Slot 27 Exp Date: 2021-11-25 Hr:1	Slot 28 Exp Date: 2021-12-02 Hr:1	Slot 29 Exp Date: 2021-12-09 Hr:1

Fig:10 b) Subject plan dropped to slot 17.

Slot 13 Exp Date: 2021-08-30 Hr:1	Slot 14 Exp Date: 2021-09-06 Hr:1	Slot 15 Exp Date: 2021-09-13 Hr:1	Slot 16 Exp Date: 2021-09-20 Hr:1	Slot 17 Exp Date: 2021-09-27 Hr:1	Slot 18 Exp Date: 2021-10-04 Hr:1
TUTORIAL	Live Online Class	PDF	Presentation	Live Online Class	Pre-recorded Video
Slot 19 Exp Date: 2021-10-11 Hr:1	Slot 20 Exp Date: 2021-10-18 Hr:1	Slot 21 Exp Date: 2021-10-25 Hr:1	Slot 22 Exp Date: 2021-11-01 Hr:1	Slot 23 Exp Date: 2021-11-08 Hr:1	Slot 24 Exp Date: 2021-11-15 Hr:1
projections of solids with axis inclined to one of the reference planes <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Module 2					
Slot 25 Exp Date: 2021-11-22 Hr:1	Slot 26 Exp Date: 2021-11-29 Hr:1	Slot 27 Exp Date: 2021-12-06 Hr:1	Slot 28 Exp Date: 2021-12-13 Hr:1	Slot 29 Exp Date: 2021-12-20 Hr:1	Slot 30 Exp Date: 2021-12-27 Hr:1

Fig:9

Slot 5 Date: 2021-07-05 Hr:1	Slot 6 Exp Date: 2021-07-12 Hr:1

Fig:11

- You can delete all the subject plan topic at once by using the “**Delete All Plans**” button (Fig:11).
- NB: If the subject timetable is multiple teacher type (multiple teachers assigned to same timetable hour) or single teacher type, deleting the subject plans will delete the entire subject plans for the subject (ie., in multiple teacher type if one faculty uses the option delete all subject plan, it will delete all the added topic irrespective of which faculty added it). But if the subject timetable is combined teacher type (multiple teachers assigned to the subject for different hours) the faculty when using delete all plans option, only the topics added by that faculty get deleted..
- NB: Once a subject plan is deleted it cannot be recovered.

- Using the option “**Autofill Subject Plan**” (Fig:12) you can auto fill all the available syllabus topics to the available timetable slots in subject plan in random order.
- Using “**Import Subject Plan**” (Fig:12) options you can import subject plans added in another batch for this subject to this class. The plans added will be imported according to the slot order and if there are any excess slot plans needed to the imported the system will accordingly assign it to the last slot available in this class.

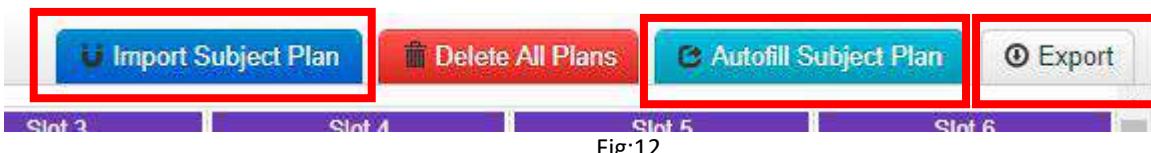


Fig:12

- On clicking on “Import Subject Plan” option a modal popup will appear(Fig:13). In that you have to select a class type from, Own Class and Any Class.
 - Own Class implies other classes with the same subject handled by you.
 - Any class implies all other classes with same subject handled by any other teachers.

Based on your selection options will be populated in the ‘import from’ drop-down, with subject code-batch name-handled faculty name.Select the desired item and click on “Import” button to import the subject plan.

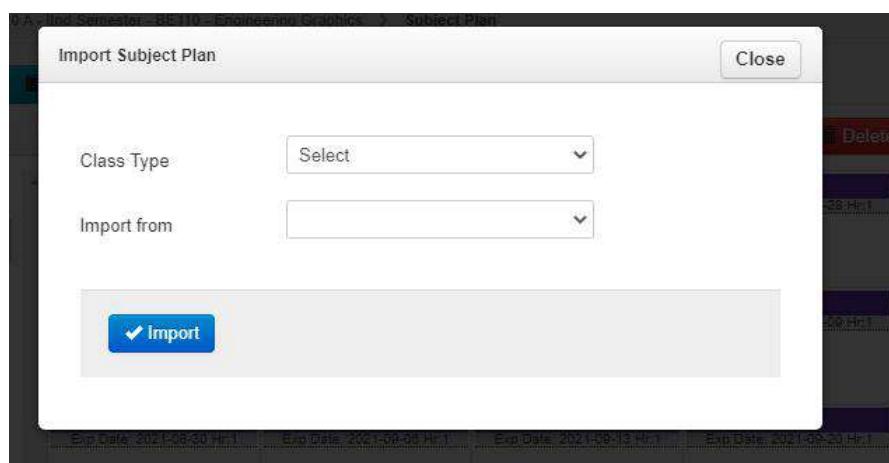


Fig:13

- Use “**Export**” option (Fig:12) to download all the subject plan added for this subject. You can choose in which file format to download the report.
- NB:** “Autofill Subject Plan” and “Import Subject Plan” buttons will be visible only if no subject plan is added. Also both this options are force disabled to subject handled in combined teacher method.
- NB:** During importing subject, options will be listed in ‘import from’ drop-down only if other classes have subject plan added.

- In the subject plan view page as said before we have Syllabus topics listed module wise on the left side of the screen. (Fig:14).
- Topics added to the subject plan will be shown in green colour instead of the default gray colour.
- In this syllabus view the main topics in a module is shown inside blue banners. And the subtopics of such a main topic will be listed below it.
- “**Add new sub topic**” button is available below the subtopics listed under a main topic. Using this option a new sub topic can be added under this main topic.
- Similarly an “**Add new topic**” button is available below the main topics listed under a module.Using this option a new main topic can be added to the module.
- On clicking “Add new topic” or “Add new sub topic” a popup with a text field will appear on the screen and enter the topic name to be added in this text field and click on “OK” to save the added topic.
- NB:** The topics and subtopics added here will be available to all other faculties handling this subject in any batch.So it is more appropriate to add this topics according to the college / university recommended format.For practical subjects “Add new sub topic ” & “Add new topic” options wont be available.

Fig:14

- NB: If the subject is “Multiple Teacher” type all the faculties can add, update and delete subject plan for all the available slots. If the subject type is “Combined Teacher” only the specific allotted timetable slots will be made visible to you and you will be able to add, update and delete data in that slot only.
- When timetable gets changed, the added subject plan also gets automatically rearranged accordingly on the subject plan page load.

3. Subject Coverage

- Click on Subject Coverage button from Fig:1 to access the Subject Coverage.
- In subject coverage view page on the left-side of the screen all the Syllabus of the subject is listed and on the remaining screen the slots corresponding to the **Attendance Added hours** are shown.(Fig: 15)

Fig: 15

- In the reference subject coverage view shown in Fig:15 only 4 hour attendance is marked. So there are only 4 slots. Whenever new hour attendance are marked it will show as new slots. In a slot you can see slot number, the date and period the attendance was marked.
- The hour type of each slots can be understood from the colour code given on the top of each slot.(Fig:16). If the colour is green the attendance added slot corresponds to a timetable hour,If the colour is blue the attendance slot corresponds to a extra class hour or special class hour and if the colour is red then the attendance slot is neither a timetable hour nor a extra/special class hour. Usually this occur when deleting the attendance after adding subject coverage or changing the timetable hour or assigning the attendance added hour as holiday later or coverage was added incorrectly using the old subject coverage module.

Fig:16

- Similar to the subject plan, to add a coverage topic you can drag and drop desired topics to the desired attendance slots.Also you can move coverage topics from one slot to another (Similar to subject plan (Fig:6,Fig:7,Fig:8,Fig:10)).
- If needed multiple coverage topics can be dropped to same slot.
- After adding a coverage to a slot to add the remarks click on the “” icon (Fig :17) and then a text field will appear there to enter your remarks .After entering the remarks click on “” icon (Fig:18) to save it.

Fig:17

Fig:18

- To delete a subject coverage topic click on the trash icon (Fig: 19).

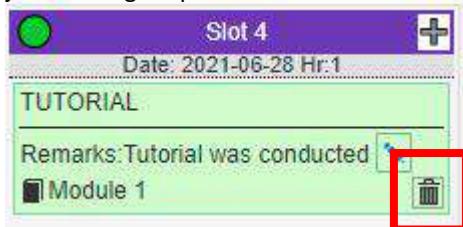


Fig:19

- To add a beyond syllabus topic as coverage, click on the "+" icon shown in Fig:20. Then a popup will appear at the top of the screen with a text field. Enter the extra topic details and click "OK" to save it.

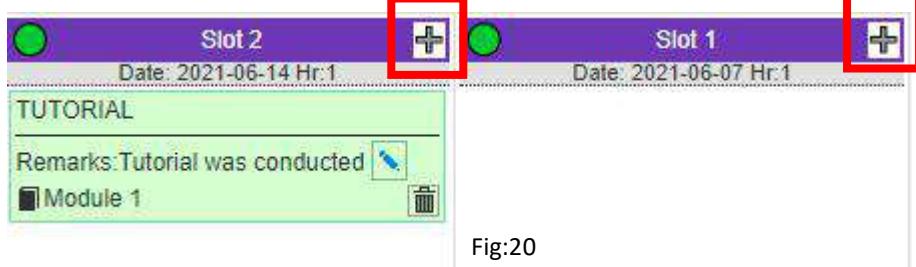


Fig:20

- Any beyond syllabus topics added will be shown inside a blue tile and will be labelled as extra topic.(Fig:21)

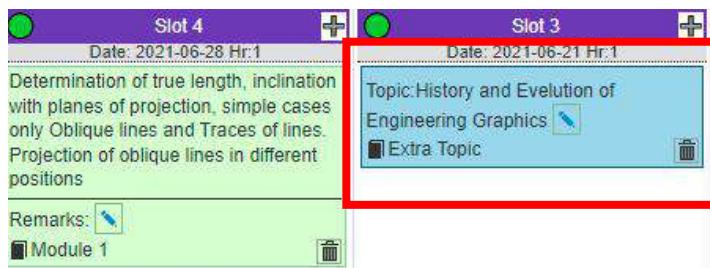


Fig:21

- Using “Sync Subject Coverage” option (Fig:22) available on the top right of the screen you can sync the subject coverage of this class with another class handled by you. On clicking on “Sync Subject Coverage” option a modal will popup (Fig:23) where you can select the batch to sync from the drop-down



Fig:22

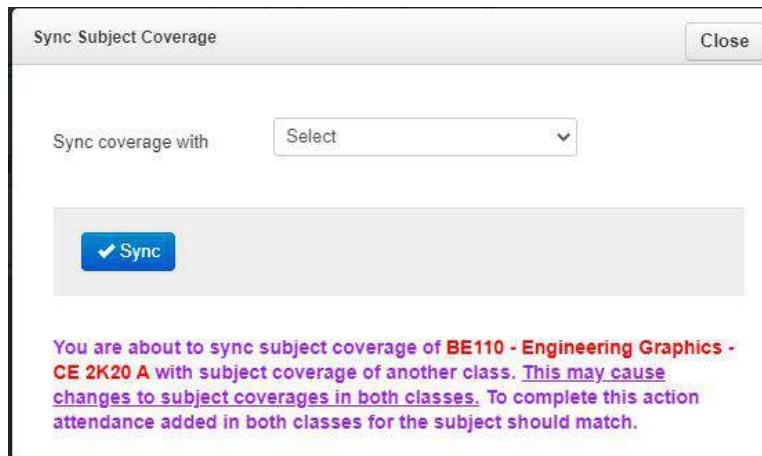


Fig:23

- After selecting the correct class to sync the coverage, click on the option “Sync” to complete the syncing process.

- If you are syncing coverage of class A and class B, then all coverage present in A and which is not added in B will be copied to the corresponding slots in B. And similarly coverage added in B and not available in A will be copied to the corresponding slots in A. After syncing the coverage in both class will be the same.
- NB: For syncing coverage of two batches the batches should have same timetable hours and the attendance added should be in same slots in both class.
- Once synced the changes cannot be reversed.
- Coverage syncing option is disabled for 'Combined Teacher' type subjects.

- To see the course plan completion status of the subject click on "[View Completion Status](#)" (Fig:22) option.
- In course-plan completion status all the subject plan topic added will be listed (Fig:24) in which the topics covered will be displayed in green colour and topic not yet covered will be displayed in blue colour. Also the percentage of completion of subject plan topics will be represented graphically.

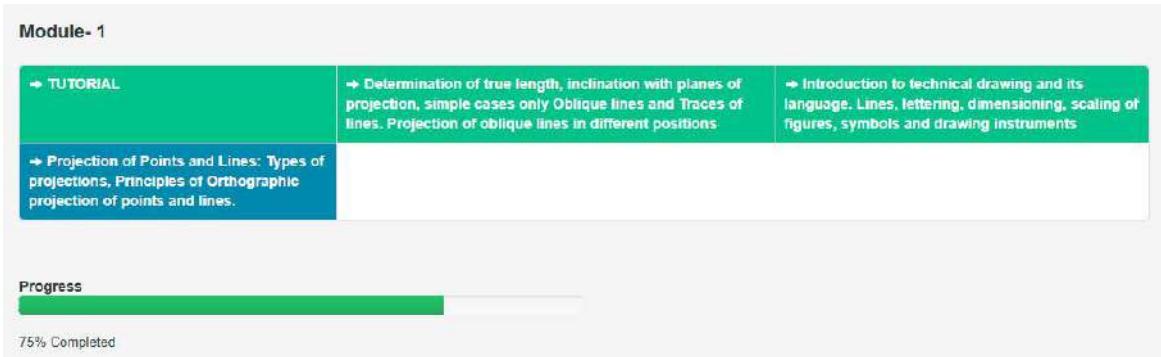


Fig:24

- Any beyond syllabus topics will be also displayed in brown colour as separate section.(Fig:25)



Fig:25

- NB: Course plan completion status will display all the subject plan and coverage of the subject irrespective of the timetable teacher type.
- Use "Export" option (Fig:22) to download all the subject coverage added for this subject. You can choose in which file format to download the report.
- The subject syllabus section on the left side of the screen (Fig:15) is similar to the syllabus section discussed in subject plan view. Here topics added to the coverage will be shown in green colour and all other topics in gray colour. Similar to what we saw in subject plan view here also we can add new sub topics and main topics to the syllabus.

- NB: When drag and dropping a new syllabus topic to the coverage slot, if the topic is not available in the subject plan then the topic will get **automatically added to the subject plan** in the corresponding available slot.
- In 'Combined Teacher' type subjects, faculty can add, edit, delete coverage in only the slots in which attendance added by that faculty.

- Login to staff advisor dashboard

The screenshot shows the Staff Advisor dashboard with a sidebar containing links for Dashboard, Staff Advisor, My Classes, My Timetable, Substitutions, Elective Sub, and Practical Sub. The main area displays a grid of 16 icons representing different functions: My Profile, Students, Subject Pool, Laboratory, Grievance, Survey, My Classes, Timetable, My Subjects, Complaints / Suggestions, Circulars, Class Materials, Question banks, Old Question Paper, Chat Room, and Teacher Notice Board.

- Click on staff advisor option, and choose the batch.

The screenshot shows the Batches section of the Staff Advisor dashboard. It displays information for the batch CE 2K17 A, including Class Name, Duration, Staff Advisor (REJANI V U.), Current Semester (Vth Semester), and Semester Duration (01/08/2019 - 25/11/2019). Below this, the Students section lists 58 results, showing columns for University RegNo, Roll No, Name, Add/Update Marks, View Marks, Academics, and Photo. At the top of the Students section, there are buttons for Semester Itinerary, Add Attendance, View Attendance, View Duty Leaves, Manage Electives, Practical Groups, Default Passwords, Report Cards, Report, Send Message, Module Test Marks, Overall Marks, Internal Marks, Series Exam Marks, Transfer, Add Uni. Reg. No., and Change Roll No.

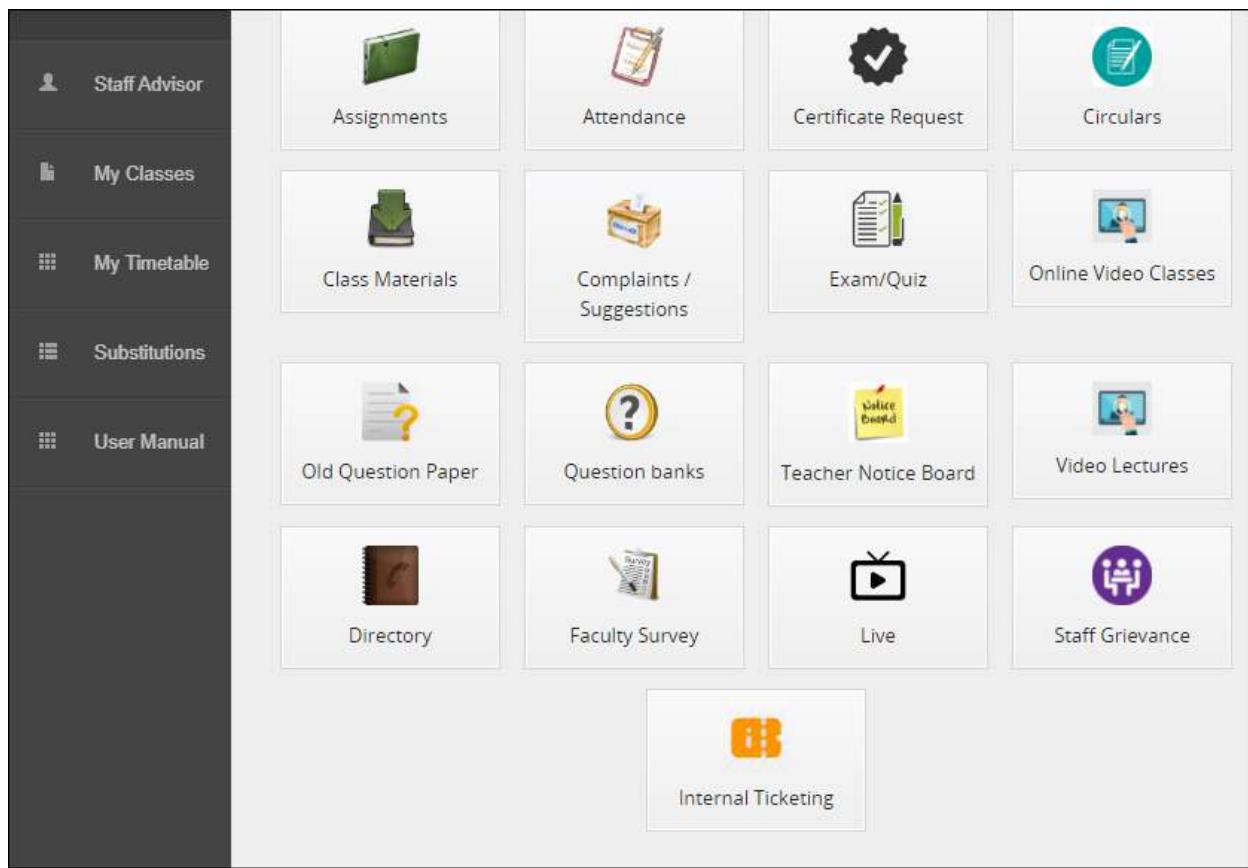
- Click on **Manage Electives**

	Roll No	Name	Elective Group1
Students	1	AASHNA K P	FUNCTIONAL DESIGN OF BUILDINGS ▾
Staff	2	ABHIINAYA AZHCHATH S	Please select Subject GEOTECHNICAL INVESTIGATION ADVANCED CONCRETE TECHNOLOGY FUNCTIONAL DESIGN OF BUILDINGS
Email	3	ABHISHEK KRISHNAN P	ADVANCED CONCRETE TECHNOLOGY ▾
SMS	4	AGNES MARIA K.J	GEOTECHNICAL INVESTIGATION ▾
User Stats	5	AKHIL C C	FUNCTIONAL DESIGN OF BUILDINGS ▾
Reports	6	AKSHAYA K	ADVANCED CONCRETE TECHNOLOGY ▾
	7	AKSHAY ASHOK K	FUNCTIONAL DESIGN OF BUILDINGS ▾

Activate Window
Go to Settings to act

- Choose the elective subject for all students from dropdown list and click on save button.

- Login to staff dashboard



- Click on Exam/Quiz tab

The Exam/Quiz section shows the following data:

Batch Name	Students	View Quiz/Exams	Question Pool
EC 2K17 B	49	VIIth Semester <ul style="list-style-type: none"> EC405 - OPTICAL COMMUNICATION EC451 - SEMINAR & PROJECT PRELIMINARY 	
MTech-EC 2k19	13	IIIrd Semester <ul style="list-style-type: none"> 08EC7041 - Project (Phase-1) 	
EC 2K16 A	46	VIIIth Semester <ul style="list-style-type: none"> EC492 - PROJECT 	

- Click on Question pool to add questions for the quiz.

- Click on subject name to add questions for this subject.

- Click on add question button.

- Fill all details and click on create button.
- Questions can be multiple choice, descriptive, file upload
- Questions can give time (in case of individual time out quiz)
- Add all required questions.

Batch Name	Students	View Quiz/Exams
ME 2K18 B	66	Vth Semester • ME301 - MECHANICS OF MACHINERY
CE 2K20 A	8	IIInd Semester • MA201 - LINEAR ALGEBRA AND COMPLEX ANALYSIS • PH100 - Engineering Physics • CEL201 - Civil Engineering Planning & Drafting Lab • CE205 - ENGINEERING GEOLOGY
CS 2K20	10	IIInd Semester • MA102 - Differential Equations

- click on subject name to add quiz

No#	Name	Maximum Mark	Start Time	Ends On	Type	Status
1	test 14/09	40	14th Sep '21 01:06 PM	14th Sep '21 02:30 PM	Viva (Individual Question Timeout)	Active ✓
2	FD9A	10	10th Sep '21 12:00 AM	10th Sep '21 12:00 AM	Viva (Individual Question Timeout)	Active ✓
3	shans	10	10th Sep '21 12:00 AM	10th Sep '21 12:00 AM	Exam (Overall Timeout)	Active ✓

- Click on Add quiz/Exam

New Quiz/Exam MA102 - Differential Equations

Class Name: CS 2K20
Semester: IIInd Semester

Fields with * are required.

Name *	<input type="text"/>	Description
Type *	<input type="text" value="Exam (Overall Timeout)"/>	
Start Time *	<input type="text" value="Viva (Individual Question Timeout)"/>	
End Time *	<input type="text"/>	
No Of Questions *	<input type="text"/>	
Max Mark *	<input type="text"/>	

Create

- Fill the quiz details and click on create button.
- Then choose the newly created quiz.

The screenshot shows the 'Manage Quiz' interface. On the left sidebar, there are links for Dashboard, My Classes, My Timetable, Substitutions, and User Manual. The main area has a breadcrumb navigation: Home > Exam/Quiz > CS 2K20 - 2nd Semester - MA102 - Differential Equations > Manage test 14/09. A green banner at the top says 'Successfully Disabled Exam/Quiz'. Below it, there's a 'Manage Quiz' section with tabs for 'Select' (selected), 'ADD NEW QUESTION' (Multiple, Descriptive, Upload), and 'Results'. There are two questions listed:

- Question 1**: Multiple Choice. Who invented dynamite? Options: alfred nobel, orville, alexander graham bell, mustafa, einstein. Time limit: 1 minute. Module: 1, Easy, 10 Marks.
- Question 2**: Multiple Choice. Who invented roll film? Options: takehi, mulaio.

On the right, a summary box for 'test 14/09' shows the following details:

- Subject: MA102 - Differential Equations
- Batch: CS 2K20
- Status: Inactive
- Start Time: 14-Sep-2021 1:00 PM
- End Time: 14-Sep-2021 2:30 PM
- Max Mark: 40
- Quiz Type: Viva (Individual Question Timeout)
- Questions Added: 4
- Total Marks: 40

- Click on SELECT QUESTION FROM POOL to add previously created question to this quiz.
- Add all required questions and click on enable Quiz/Exam Button.
- Students can attempt the quiz only at the start time of the quiz.
- Click on result button to calculate the result of the quiz.
- Click on calculate marks to calculate the marks.
- Click on status monitoring to view attempted and not attempted student list.

The screenshot shows the 'Result Calculation' section for 'test 14/09'. The table lists students with their details:

Roll No	Student	Total Questions	Maximum Marks	Obtained Marks	Marks out of 40	Evaluate
	AJITH KUMAR P.	0	40	Not Attended	0	<button>Evaluate</button>
	ATUL SAJU SUNDARESH	4	40	Not Calculated	0	<button>Evaluate</button>
	GOWTHAM KRISHNA B	0	40	Not Attended	0	<button>Evaluate</button>
	LAKSHMI MOHANDAS	4	40	Not Calculated	0	<button>Evaluate</button>
	NANDANA S	0	40	Not Attended	0	<button>Evaluate</button>
	NIRANJAN V RAM	0	40	Not Attended	0	<button>Evaluate</button>
	PARVATHY MANOJ	0	40	Not Attended	0	<button>Evaluate</button>
	SIV HARI NAIR	4	40	Not Calculated	0	<button>Evaluate</button>

- After evaluating all questions, click on publish button to publish the exam.
- Exam results can be downloaded by clicking on download button.

- Login to Teacher dashboard

The screenshot shows the main dashboard interface. On the left is a sidebar with links for Dashboard, My Classes, My Timetable, Substitutions, Elective Sub, Practical Sub, and Reports. The main area contains several cards: My Profile (with a placeholder 'NO IMAGE AVAILABLE'), Live, Subject Pool, Laboratory, Reports, Faculty Survey, My Classes (highlighted with an orange icon), Timetable, My Subjects, Complaints / Suggestions, Circulars, Class Materials, Question banks, Old Question Paper, Chat Room, Teacher Notice Board, Assignments, Exam/Quiz, Attendance, and Video Lectures. To the right, there's a 'Profile Abstract' section with a placeholder profile picture and details for HARI KRISHNAN K (Name, Department, Staff Id), and a 'Calendar' section showing the month of January 2021.

- Choose



- Available subjects are shown here
- Click on the subject to add internal mark

Roll No	Uni.RegNo	Name	Remarks	Academics	Photo
1	NSS10CE061	JITHIN KRISHNA S R	Add remarks	Academic Analysis	
10	NSS10CE071	MEKHA M	Add remarks	Academic Analysis	
11	NSS10CE072	MUHAMMEDSUHAIL KA	Add remarks	Academic Analysis	Activate Windows Go to Settings to activate Windows.

➤ Choose



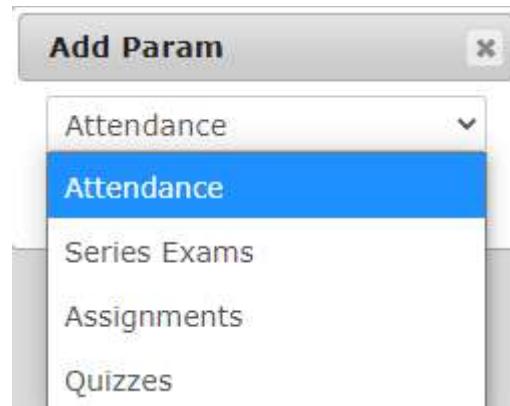
+ Add Parameter

To continue with mark calculation, Weightage sum should be 100% current weightage sum: 0%

Save

➤ Click

+ Add Parameter



- Select Parameter one by one, to calculate internal marks and click add button respectively
- If you choose Attendance, then enter the weightage in nearby box.

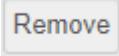
To continue with mark calculation, Weightage sum should be 100% current weightage sum: 0%

Attendance Remove	Weightage (%) *
<input type="text" value="0"/>	
Save	

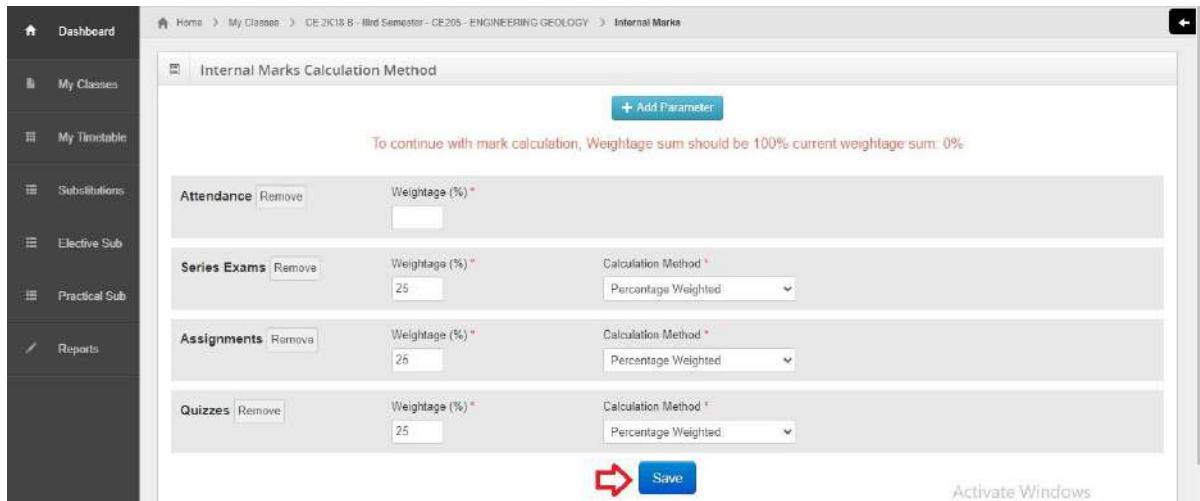
- Add the remaining parameters if it is required.
- Insert corresponding weightage and select calculation method from the drop-down menu.

To continue with mark calculation, Weightage sum should be 100% current weightage sum: 0%

Attendance Remove	Weightage (%) *
<input type="text" value="0"/>	
Series Exams Remove	Weightage (%) *
<input type="text" value="25"/>	
Calculation Method *	
Percentage Weighted	
Assignments Remove	Weightage (%) *
<input type="text" value="25"/>	
Calculation Method *	
Percentage Weighted	
Quizzes Remove	Weightage (%) *
<input type="text" value="25"/>	
Calculation Method *	
Percentage Weighted	
Save	

- If you want to remove any parameters
- Click 

- After adding Parameters click the save button below

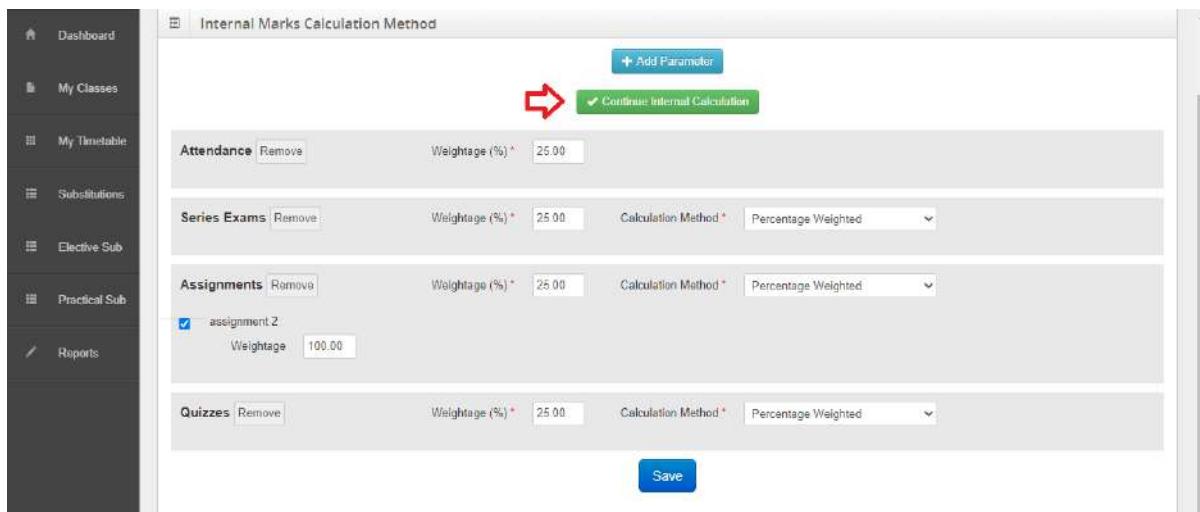



The screenshot shows the 'Internal Marks Calculation Method' page. On the left is a sidebar with links: Dashboard, My Classes, My Timetable, Substitutions, Elective Sub, Practical Sub, and Reports. The main area has a header 'Internal Marks Calculation Method' with a '+ Add Parameter' button. Below it is a message: 'To continue with mark calculation, Weightage sum should be 100% current weightage sum: 0%'. There are four parameter rows:

- Attendance**: Weightage (%)
- Series Exams**: Weightage (%) Calculation Method: Percentage Weighted
- Assignments**: Weightage (%) Calculation Method: Percentage Weighted
- Quizzes**: Weightage (%) Calculation Method: Percentage Weighted

A red arrow points to the blue 'Save' button at the bottom right.

- Click on the Continue Internal Calculation



The screenshot shows the same 'Internal Marks Calculation Method' page after saving. The 'Continue Internal Calculation' button is now green with a checkmark and a red arrow points to it. The 'Assignments' row has been modified:

Assignments	Remove	Weightage (%) <input type="text" value="25.00"/>	Calculation Method: Percentage Weighted
		Weightage <input type="text" value="100.00"/>	

The other parameters remain the same: Attendance (25%), Series Exams (25%, Percentage Weighted), and Quizzes (25%, Percentage Weighted). A blue 'Save' button is at the bottom.

- Previously entered attendance and marks for Series exams, assignments, and quizzes for each student will be displayed in the table.

Internal Marks

Save marks by submitting Save button in the bottom of the table.

Save Marks & Calculate Internal

Roll No	Name	Attendance (25.00 %)		Series Exams (25.00 %) Method: Percentage Weighted		Assignments (25.00 %) Method: Percentage Weighted		Quizzes (25.00 %) Method: Percentage Weighted		Total	
		(out of 12.5)	(out of 12.5)	assignment 2(out of 10) 100.00%	(out of 12.5)	(out of 12.5)	(out of 12.5)	Grace Marks	Final Score (out of 50)	Add	
1	JITHIN KRISHNA S R	1/1 (100%)	12.50	0.00	0	0.00	0.00		13		
10	MEXHAMA	1/1 (100%)	12.50	0.00	0	0.00	0.00		13		
11	MUHAMMEDSUHAIL K A	1/1 (100%)	12.50	0.00	0	0.00	0.00		13		
12	NAJIYA NASRIN	1/1 (100%)	12.50	0.00	0	0.00	0.00		13		
13	NANDINI A	1/1 (100%)	12.50	0.00	0	0.00	0.00		13		
14	NASEEBANA	1/1 (100%)	12.50	0.00	0	0.00	0.00		13		
15	NATHASHAAS	1/1 (100%)	12.50	0.00	0	0.00	0.00		13		

- Save marks by submitting save button in the bottom of the table. And it will automatically calculate total internal mark for individual student.

Activate Windows
Go to Settings to activate Windows.

Save Marks & Calculate Internal

Roll No	Name	Attendance (25.00 %)	Series Exams (25.00 %) Method: Percentage Weighted	Assignments (25.00 %) Method: Percentage Weighted	Quizzes (25.00 %) Method: Percentage Weighted	Total
56	VIGNESH K R	1/1 (100%)	12.50	0.00	0	0.00
57	VISMAYA BABU	1/1 (100%)	12.50	0.60	0	0.00
58	YADHU SURESH	1/1 (100%)	12.50	0.00	0	0.00
59	ATHIRA K	1/1 (100%)	12.50	0.00	0	0.00
6	LINA MAQBOOL	0/1 (0%)	10.00	0.00	0	0.00
60	HISHAM K	1/1 (100%)	12.50	0.00	0	0.00
61	LAMEESHA SHERIN K	1/1 (100%)	12.50	0.00	0	0.00
62	NIMI P R.	1/1 (100%)	12.50	0.00	0	0.00
63	PEER ROUF AHMAD	1/1 (100%)	12.50	0.00	0	0.00
64	PREEMA K	1/1 (100%)	12.50	0.00	0	0.00
7	MANISHA M	0/1 (0%)	10.00	0.00	0	0.00
8	MANJIMA B	0/1 (0%)	10.00	0.00	0	0.00
9	MEGHANA K C	1/1 (100%)	12.50	0.00	0	0.00

➤ To download Mark sheet click



Internal Marks									
Forward Marks To Staff Advisor Publish marks to students Download (Ktu Format) Download									
Calculation Method Save marks by submitting Save button in the bottom of the table									
		Attendance (25.00 %)		Series Exams (25.00 %)		Assignments (25.00 %)		Quizzes (25.00 %)	
Roll No	Name	(out of 12.5)	(out of 12.5)	Method: Percentage Weighted		Method: Percentage Weighted		Method: Percentage Weighted	Total
1	JITHIN KRISHNA S R	1/1 (100%)	12.5		0	0	0	0	32
10	MEKHAM	1/1 (100%)	12.5		0	0	0	0	18
11	MUHAMMEDSUHAIL KA	1/1 (100%)	12.5		0	0	0	0	14
12	NAJIYA NASRIN	1/1 (100%)	12.5		0	0	0	0	13
13	NANDINI A	1/1 (100%)	12.5		0	0	0	0	13
14	NASEEBANA	1/1 (100%)	12.5		0	0	0	0	13
15	NATHASHAAS	1/1 (100%)	12.5		0	0	0	0	13
16	NAVANEETH K	1/1 (100%)	12.5		0	0	0	0	13
17	NAVEEN R	1/1 (100%)	12.5		0	0	0	0	13

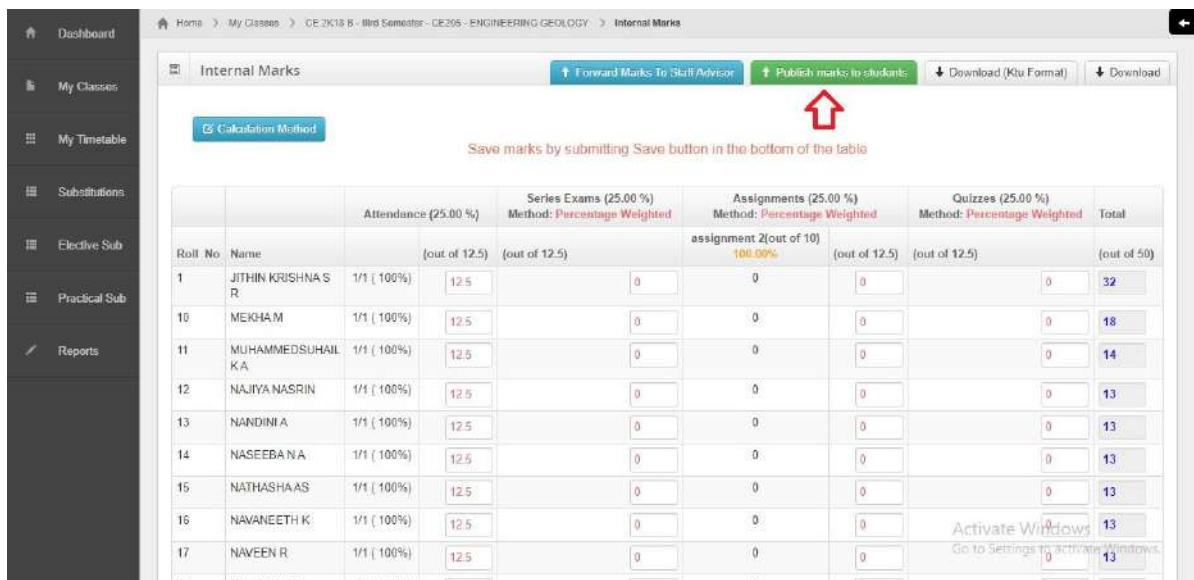
➤ To download mark sheet in KTU format click



Internal Marks									
Forward Marks To Staff Advisor Publish marks to students Download (Ktu Format) Download									
Calculation Method Save marks by submitting Save button in the bottom of the table									
		Attendance (25.00 %)		Series Exams (25.00 %)		Assignments (25.00 %)		Quizzes (25.00 %)	
Roll No	Name	(out of 12.5)	(out of 12.5)	Method: Percentage Weighted		Method: Percentage Weighted		Method: Percentage Weighted	Total
1	JITHIN KRISHNA S R	1/1 (100%)	12.5		0	0	0	0	32
10	MEKHAM	1/1 (100%)	12.5		0	0	0	0	18
11	MUHAMMEDSUHAIL KA	1/1 (100%)	12.5		0	0	0	0	14
12	NAJIYA NASRIN	1/1 (100%)	12.5		0	0	0	0	13
13	NANDINI A	1/1 (100%)	12.5		0	0	0	0	13
14	NASEEBANA	1/1 (100%)	12.5		0	0	0	0	13
15	NATHASHAAS	1/1 (100%)	12.5		0	0	0	0	13
16	NAVANEETH K	1/1 (100%)	12.5		0	0	0	0	13
17	NAVEEN R	1/1 (100%)	12.5		0	0	0	0	13

➤ To publish marks to students, click

 Publish marks to students

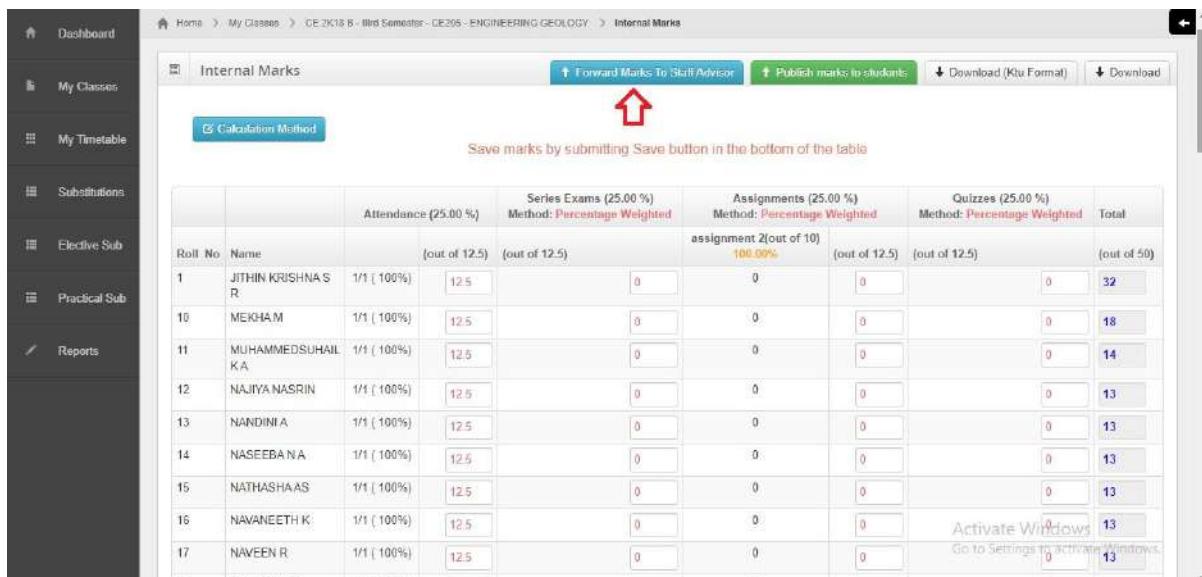


The screenshot shows the 'Internal Marks' section of the Etuwa Concepts platform. On the left is a sidebar with links: Dashboard, My Classes, My Timetable, Substitutions, Elective Sub, Practical Sub, and Reports. The main area has a header with 'Home > My Classes > CE 2K18 B - 3rd Semester - CE205 - ENGINEERING GEOLOGY > Internal Marks'. Below the header is a green button with a white arrow pointing up labeled 'Publish marks to students'. The main content is a table with columns: Roll No, Name, Attendance (25.00 %), Series Exams (25.00 %), Assignments (25.00 %), Quizzes (25.00 %), and Total. The table contains 17 rows of student data. A red arrow points to the 'Publish marks to students' button.

Roll No	Name	Attendance (25.00 %)		Series Exams (25.00 %)		Assignments (25.00 %)		Quizzes (25.00 %)		Total
		(out of 12.5)	(out of 12.5)	Method: Percentage Weighted	Method: Percentage Weighted	assignment 2(out of 10)	Method: Percentage Weighted	(out of 12.5)	(out of 12.5)	
1	JITHIN KRISHNA S R	1/1 (100%)	12.5	0	0	0	0	0	32	
10	MEKHAM	1/1 (100%)	12.5	0	0	0	0	0	18	
11	MUHAMMEDSUHAIL KA	1/1 (100%)	12.5	0	0	0	0	0	14	
12	NAJIYA NASRIN	1/1 (100%)	12.5	0	0	0	0	0	13	
13	NANDINIA	1/1 (100%)	12.5	0	0	0	0	0	13	
14	NASEEBA NA	1/1 (100%)	12.5	0	0	0	0	0	13	
15	NATHASHA AS	1/1 (100%)	12.5	0	0	0	0	0	13	
16	NAVANEETH K	1/1 (100%)	12.5	0	0	0	0	0	13	
17	NAVEEN R	1/1 (100%)	12.5	0	0	0	0	0	13	

➤ To forward marks to staff advisor, click

 Forward Marks To Staff Advisor



This screenshot is identical to the one above, showing the 'Internal Marks' section of the Etuwa Concepts platform. It features the same sidebar, header, and table of student marks. A red arrow points to the 'Forward Marks To Staff Advisor' button located at the top right of the page.

INTERNAL MARK

Etuwa Concepts Pvt Ltd

CO ASSESSMENT

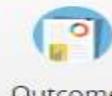
- To find co attainment, first we have to add Program Outcomes (POs), Programme Educational Objectives (PEOs) and Programme Specific Outcomes (PSO)
- Admin can add POs and HOD can add PEOs and PSOs.

❖ Admin

- Login to admin dashboard

The screenshot shows the Etuwa Concepts Pvt Ltd Admin Dashboard. The sidebar on the left includes links for Dashboard, Batches, Students, Staff, Email, SMS, User Stats, Reports, Notice Board, and Outcomes. The main content area is a grid of 16 tiles, each with an icon and a label: Suspend Periods, Special Class, Duty Leave, Clubs, Reports, E-mail / Message, SMS, App Notifications, Fees, Survey, Accreditation, Hostels, Buses, Holiday, Site Stats, Website, TC, University Exams, Electives, Manage Circulars, Analysis, and Grievance Management. At the top right, there is a calendar showing the dates from 22 to 31. Below the calendar is a 'Recent Activities' section with a message stating 'Nothing happened recently' and a 'View All' link.

➤ Choose



Sat, 16 Nov 2019 14:40:27 GMT+0530 (India Standard Time) admin Messages 0 Logout

Home > Outcome Assessment > Program Outcomes

Program Outcomes

+ Add new Outcome PO Attainment

Displaying 1-10 of 12 results

Category	Department	Heading	Content	Action
PO	-	PO1	Identify, formulate, design, analyze and implement an electrical and electronics system, component, or process to meet desired needs.	
PO	-	PO2	Apply knowledge of Mathematics, Science and Engineering to solve the complex problems in Electrical and Electronics Engineering .	
PO	-	PO3	Design system components that meet economic, environmental, social, political, ethical, health and safety, and sustainability requirements	
PO	-	PO4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	
PO	-	PO5	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	
PO	-	PO6	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	

➤ Previously added program outcomes (PO) are displayed here. To add new PO, click on

+ Add new Outcome

The screenshot shows the etlab software interface. On the left is a vertical sidebar with icons and labels: Dashboard, Batches, Students, Staff, Email, SMS, User Stats, and Reports. The 'Reports' icon is highlighted with a red border. The main area has a header bar with the date and time (Sat, 16 Nov 2019 15:01:04 GMT+0530 (India Standard Time)), user info (admin), and a 'Logout' button. Below the header, the breadcrumb navigation shows Home > Program Outcomes > Create. The main content area is titled '+ Create Outcomes'. It has a 'Category' dropdown set to 'PO' and a 'Heading' input field containing 'PO 7'. To the right is a rich text editor toolbar with various icons for bold, italic, underline, etc. Below the toolbar is a text area containing the text: 'Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.' At the bottom of the content area is a 'body p' code snippet. A blue 'Create' button with a checkmark icon is at the bottom left of the content area.

➤ Fill the fields and click on create button.

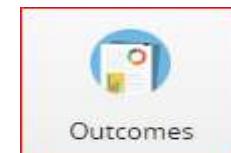
❖ HOD

➤ Login to HOD dashboard

The screenshot shows the Etuwa Concepts Pvt Ltd CO ASSESSMENT application interface. The left sidebar has a dark background with white icons and text. The main area is a light gray grid of 16 boxes, each containing an icon and a label. A calendar for November 2019 is on the right.

Icon	Label
User profile	My Profile
Bunch of circles	Batches
Students walking	Students
Two people talking	Staff
Test tube and flask	Laboratory
Attendance sheet	Attendance Defaulters
Calendar icon	Suspend Periods
Calendar icon	Duty Leave
Report icon	Reports
Email icon	E-mail / Message
Survey icon	Survey
Globe icon	Website
Book icon	Electives
Circular icon	Manage Circulars
Bar chart icon	Outcomes
Medical icon	Policy Info
Bunch of circles	My Classes
Calendar icon	Timetable
Folder icon	My Subjects
Box icon	Complaints / Suggestions

➤ choose



The screenshot shows a software interface for managing program outcomes. On the left is a vertical sidebar with icons for Dashboard, My Classes, My Timetable, Substitutions, Batches, Students, Staff, Email, and Reports. The main area has a header 'Home > Outcome Assessment > Program Outcomes'. Below this is a table titled 'Program Outcomes' with columns: Category, Department, Heading, and Content. The table displays five rows of data:

Category	Department	Heading	Content
PEO	Computer Science and Engineering	PEO 1	Competent professionals with knowledge of Computer Science & Engineering to pursue variety of careers/higher education.
PEO	Computer Science and Engineering	PEO 2	Proficient in successfully designing innovative solutions to real life problems that are technically sound, economically viable and socially acceptable.
PEO	Computer Science and Engineering	PEO 3	Efficient team leaders, effective communicators and capable of working in multi-disciplinary environment following ethical values.
PSO	Computer Science and Engineering	PSO 1	Apply probability, statistics, mathematics through differential and integral calculus, sciences including applications appropriate to the Computer Science & Engineering topics.
PSO	Computer Science and Engineering	PSO 2	Use algorithms, data structures/management, software design, concepts of programming languages and computer organization & architecture.

At the top right of the table are buttons for '+ Add new Outcome' and 'PO Attainment'. A message 'Displaying 1-5 of 5 results.' is shown at the bottom right of the table area.

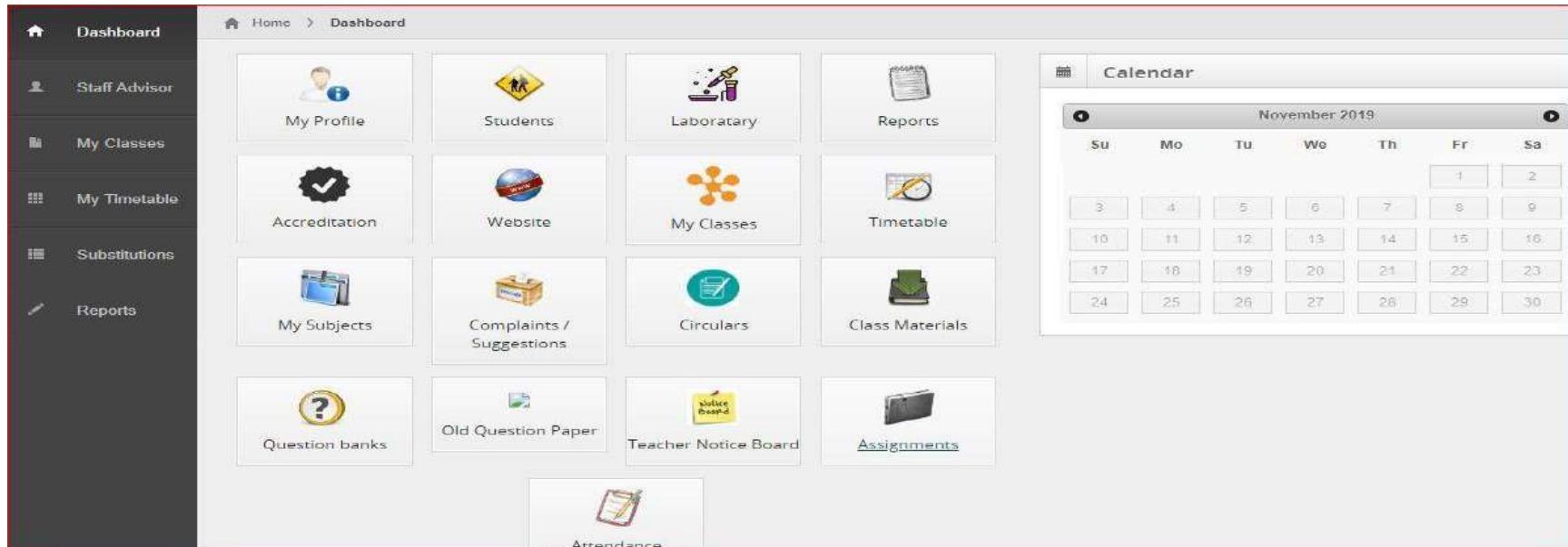
- Previously added PEOs and PSOs are displayed here.
- To add new PEO/PSO click on **+ Add new Outcome**

The screenshot shows the 'Create Outcomes' page within the 'Program Outcomes' section of the application. On the left, a vertical sidebar lists various user management options: Dashboard, My Classes, My Timetable, Substitutions, Batches, Students, Staff, and Email. The main content area has a header 'Create Outcomes' with a back arrow. It includes a note 'Fields with * are required.' A 'Category' dropdown is set to 'PEO'. Below it, a 'Heading' field contains 'PEO 3'. To the right is a rich text editor toolbar with icons for bold, italic, underline, etc., and a source code view showing '`<p>Capable of adapting to new technologies and constantly upgrade their skills with an attitude towards lifelong learning.</p>`'. At the bottom is a 'Create' button.

- Choose PEO/PSO from category drop down list.
- Fill remaining fields and click on create button.

❖ Staff

➤ Login to staff dashboard



The screenshot shows the staff dashboard interface. On the left, a vertical sidebar lists navigation options: Dashboard, Staff Advisor, My Classes, My Timetable, Substitutions, and Reports. The main content area features a grid of 14 icons, each with a title below it. The icons are arranged in four rows: Row 1: My Profile, Students, Laboratory, Reports; Row 2: Accreditation, Website, My Classes, Timetable; Row 3: My Subjects, Complaints / Suggestions, Circulars, Class Materials; Row 4: Question banks, Old Question Paper, Teacher Notice Board, Assignments. Below this grid is a single icon for Attendance. To the right of the grid is a calendar for November 2019, showing days from Sunday to Saturday.

➤ Choose



The screenshot shows a left sidebar with navigation options: Dashboard, Staff Advisor, My Classes (selected), My Timetable, Substitutions, and Reports. The main content area is titled 'Home > My Classes'. It displays two rows of teaching information:

Batch Name	Staff Advisor	Students	Current Semesters (Subjects)	Previous Semesters (Subjects)
EE 2K17	SARITHA.M	71	Vth Semester - Timetable, Class Timetable <ul style="list-style-type: none">Object Oriented Programming	IIIrd Semester - Timetable <ul style="list-style-type: none">PROGRAMMING LAB
EE 2K18	SUKESH A	68	IIIrd Semester - Timetable, Class Timetable <ul style="list-style-type: none">COMPUTER PROGRAMMINGPROGRAMMING LAB	

Below this is another section titled 'Staff Advisor' with one row of data:

Batch Name	Staff Advisor	Students
EE 2K12	BABURAJ P	0

- Choose the subject
- Click on **More** button.

- Choose **Series Exams** from **more** dropdown list.

The screenshot shows a list of 'Series Exams' with the following details:

name	Export	Status	
Series Exam 1	Download Report	Results not published	 Publish result
Series Exam 2	Download Report	Results not published	 Publish result

- Previously added series exams are displayed here. To add new series exam, click on

The screenshot shows the 'Add Exam' form with the following fields:

- Name: Series Exam 1
- Maximum Mark: (empty)
- Date: (empty)
- Period: (empty)
- CO BASED?:

At the bottom is a 'Create' button.

- Fill the exam name, maximum marks, date and period for the exam.
- If the exam is co based, then put ✓ mark for **CO BASED** check box.

- Choose **Module Test** from **more** drop down list.

The screenshot shows a web interface for managing module tests. On the left is a vertical sidebar with icons for Dashboard, Staff Advisor, My Classes, My Timetable, Substitutions, and Reports. The main area has a breadcrumb navigation path: Home > My Classes > EE 2K18 - IIIrd Semester - COMPUTER PROGRAMMING > Module Test. The title 'Module Test' is at the top. Below it, there's a table with one row. The first column contains the name 'Module Test 1'. The second column has 'Export' and 'Download Report' links. The third column is labeled 'Status'. The fourth column has a 'Publish result' link. A button '+ Add an Exam' is located in the top right corner. A message 'Displaying 1-1 of 1 result.' is shown above the table.

- Previously added module tests will display here. To add new module test, click on

The screenshot shows a 'Add Test' form. The sidebar on the left is identical to the previous screenshot. The main form has a title '+ Add Test'. It includes fields for Name (set to 'Module Test 2'), Maximum Mark (set to '15'), Date ('2019-11-19'), Period ('2'), and a note 'Periods as comma separated (Eg: 1,2,3)'. There is a 'CO BASED ?' checkbox which is checked. At the bottom is a blue 'Create' button.

- Fill the exam name, maximum marks, date and period for the exam.
- If the exam is co based, then put ✓ mark for **CO BASED** check box and click create button.

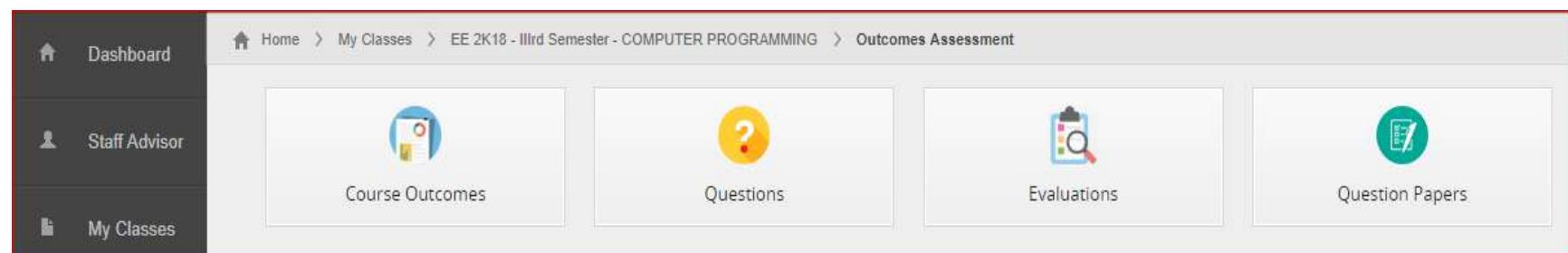
- Choose **Assignments** from **more** drop down list.

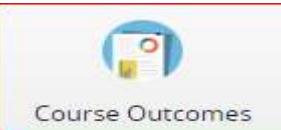
The screenshot shows the 'Issue an assignment' page. The left sidebar has links for Dashboard, Staff Advisor, My Classes, My Timetable, Substitutions, and Reports. The main area has a title 'Issue an assignment' and a note 'Fields with * are required.' It contains the following fields:

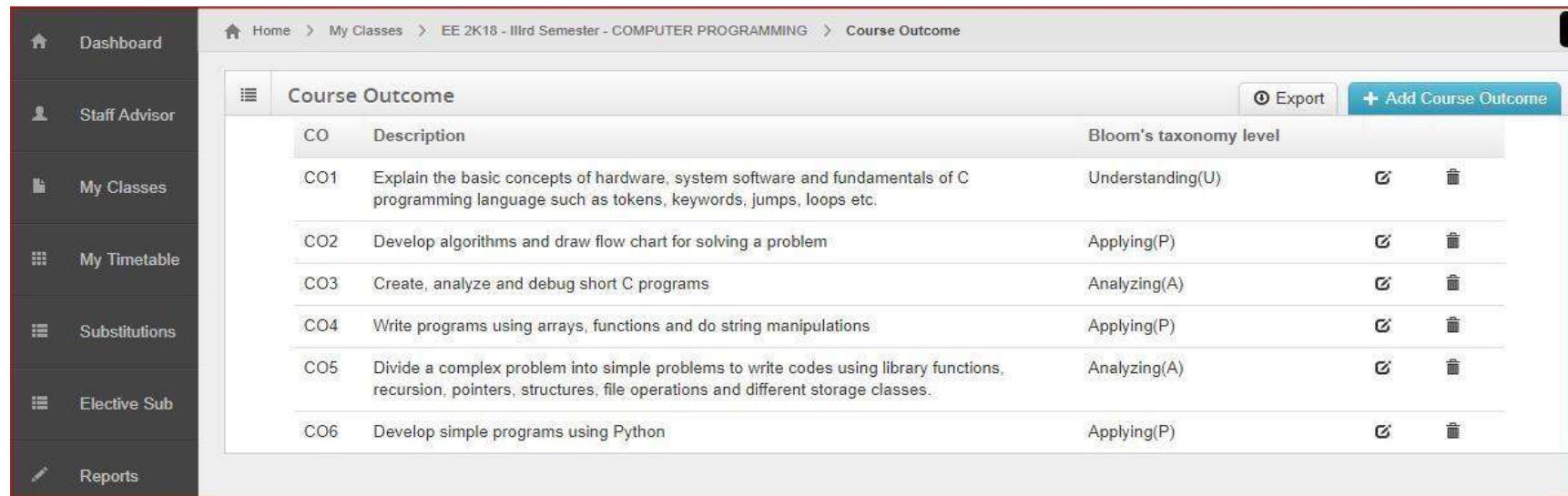
- Title:
- Type:
- Maximum Mark:
- Issued On Date:
- Last Date:
- Upload File: No file chosen
Maximum size 5MB.
jpg,jpeg,png,bmp,pdf,doc,docx,xls,xlsx,ppt,pptx,zip,rar
- CO BASED?

At the bottom is a blue 'Issue' button.

- Give assignment title, type (manual submission/ submit by upload), issued date, last date, choose assignment questions.
- If the assignment is co based, then put ✓ mark for **CO BASED** check box and click issue button.
- Choose **co attainment** from **more** dropdown list.



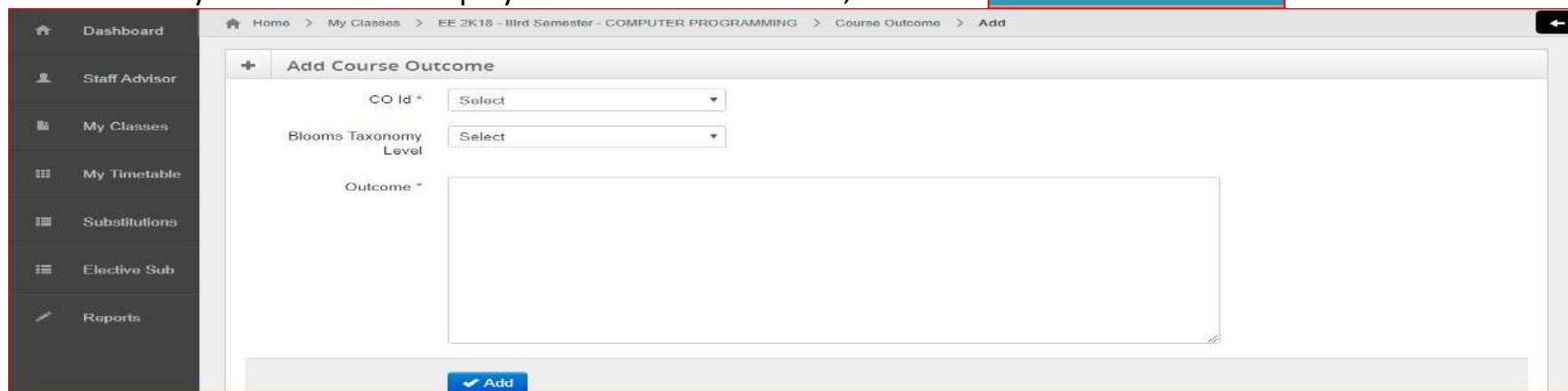
➤ Choose  to add co for this subject.



The screenshot shows a list of Course Outcomes (CO) for the EE 2K18 - IIIrd Semester - COMPUTER PROGRAMMING course. The table has columns for CO, Description, and Bloom's taxonomy level. Each row includes edit and delete icons.

CO	Description	Bloom's taxonomy level	Edit	Delete
CO1	Explain the basic concepts of hardware, system software and fundamentals of C programming language such as tokens, keywords, jumps, loops etc.	Understanding(U)	<input checked="" type="checkbox"/>	
CO2	Develop algorithms and draw flow chart for solving a problem	Applying(P)	<input checked="" type="checkbox"/>	
CO3	Create, analyze and debug short C programs	Analyzing(A)	<input checked="" type="checkbox"/>	
CO4	Write programs using arrays, functions and do string manipulations	Applying(P)	<input checked="" type="checkbox"/>	
CO5	Divide a complex problem into simple problems to write codes using library functions, recursion, pointers, structures, file operations and different storage classes.	Analyzing(A)	<input checked="" type="checkbox"/>	
CO6	Develop simple programs using Python	Applying(P)	<input checked="" type="checkbox"/>	

➤ Previously added COs are displayed here. To add new CO, click on **+ Add Course Outcome** button.



The screenshot shows the 'Add Course Outcome' form. It includes fields for CO Id (dropdown menu), Bloom's Taxonomy Level (dropdown menu), and Outcome (text area). At the bottom is a 'Add' button.

- Choose co id, bloom's taxonomy from dropdown list and enter outcome description, then click on Add button.
- Choose  to add co based questions for this particular subject.



The screenshot shows the etlab platform interface for managing CO based questions. The top navigation bar includes the etlab logo, date (Thu, 21 Jul 2022), time (16:02:23 GMT+0530 (India Standard Time)), user info (SAJITH V S), messages (0), and logout link. The left sidebar has links for Dashboard, My Classes, My Timetable, Substitutions, and Students. The main content area shows a table titled 'CO based Questions' with one row displayed. The table columns are: Question ID, Question, Mark, Co, Module, Category, Type, and actions. The 'Question' column contains a long block of placeholder text. The 'Mark' column shows 10.00, 'Co' shows CO1, 'Module' shows 1, 'Category' shows Theory, and 'Type' shows Easy. The 'actions' column includes icons for edit and delete. At the top of the table, there are buttons for '+ Add new questions' and 'Linked Questions'. A red box highlights the '+ Add new questions' button.

CO based Questions						
Question ID	Question	Mark	Co	Module	Category	Type
1	<p>orem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies nisi. Nam eget dui. Etiam rhoncus. Maecenas</p>	10.00	CO1	1	Theory	Easy

- Previously added questions are displayed here. To add new question, click on  button.

Create Cobasedquestions

Fields with * are required.

Module *	Module 1	Question
Co *	Choose a CO	Help for adding mathematical formulas
Level *	Choose a level	Question editor toolbar
Type *	Easy	Text area for question
Category *	Theory	Image upload section
Keyword *		Hint section
Mark *		Answer
		Answer editor toolbar

Uploaded Image: Choose File No file chosen
Maximum size 2MB

Hint:

Answer:

- Choose module, co, level of question (Remembering/ Understanding/ Applying/ Analyzing/ Evaluate/ Create), type of the question (Easy/ Medium/ Hard), Category (Theory/ Practical), enter mark of the question.
- Enter question on question field.
- To add mathematical formula, click on [Help for adding mathematical formulas](#).
- Enter mathematical formula in question field as follows:

$$[m]S(f)(t)=a_0+\sum_{n=1}^{+\infty}\{a_n \cos(n \omega t)+b_n \sin(n \omega t)\}[/m]$$

➤ Type the formula in between [m] and [\m] as shown in above example.

➤ To upload diagrams, click on choose file

Upload your image File No file chosen
Maximum size 2MB

➤ Image size should be less than 2 MB.

➤ Fill all data and click on create button.

- Choose **Linked Questions** to make a group of same kind of questions.
- If one of the question is chosen from this group, then no question will choose from that group to same question paper.

The screenshot shows a web interface for managing question groups. At the top, there's a breadcrumb navigation: Home > My Classes > ME 2K17 B - VIIth Semester - ME407 - MECHATRONICS > Outcome Assessment > CO based Questions > CO Based Questions Group. Below this, a message says "Group similar topic questions to avoid them appearing in same question paper when auto generating question paper." A green button labeled "+ New Question Group" is visible. The main area has a table with columns for Name and Subject. A message "No groups found" is displayed at the bottom of the table area.

Name	Subject

- Click on the new question group button.

The screenshot shows a web interface for managing question groups. At the top, there is a breadcrumb navigation: Home > My Classes > ME 2K17 B - VIith Semester - ME407 - MECHATRONICS > Outcome Assessment > CO based Questions > CO Based Questions Group. Below this, a message says "Group similar topic questions to avoid them appearing in same question paper when auto generating question paper." The main area is titled "CO Based Questions Group" and displays one result. The result table has two columns: "Name" (empty) and "Subject" (MECHATRONICS). There are edit and delete icons next to the subject column. A green button at the top right says "+ New Question Group". A note at the bottom right says "Displaying 1-1 of 1 result."

- Click on the newly added group

The screenshot shows a web interface for linked questions. The breadcrumb navigation is identical to the previous screen. The main area is titled "Remembering Questions - Linked Questions". It features a green button "+ Add New Question To Group" and a blue button "Link Existing Questions". A table with columns "Question", "Mark", "Co", "Module", and "Category" is shown, with a note "No data found" below it.

- You can either create new question nor you can link existing questions to this group.

➤ Choose



The screenshot shows a web-based application interface for managing evaluations. On the left, there is a vertical sidebar with icons for Dashboard, Staff Advisor, My Classes, and My Timetable. The main content area has a breadcrumb navigation path: Home > My Classes > EE 2K18 - IIrd Semester - COMPUTER PROGRAMMING > Outcome Assessment > CO based Evaluation. The title of the page is "CO Based Evaluations". Below the title, there are three buttons: "+ Add new Evaluation", "+ Overall attainment", and "View Templates". A message "Displaying 1-2 of 2 results" is shown above a table. The table has columns for Exam Name, Type, Batch, Subject, Total Mark, and Total Time. It lists two entries: "Series Exam1" (Series Exam, 2K18, COMPUTER PROGRAMMING, 20, 1Hr) and "Series Exam II" (Series Exam, 2K18, COMPUTER PROGRAMMING, 20, 1HR). Each row has a set of three icons at the end.

Exam Name	Type	Batch	Subject	Total Mark	Total Time
Series Exam1	Series Exam	2K18	COMPUTER PROGRAMMING	20	1Hr
Series Exam II	Series Exam	2K18	COMPUTER PROGRAMMING	20	1HR

- Previously added series exams, module tests, assignments will display here.
- To add new exam, click on **+ Add new Evaluation** button.

Create CO Based Exam

Fields with * are required.

Exam Name *	series exam 1
Type *	Series Exam
Method *	Select
Total Mark *	20
Total Time *	1 hr

Create

- Fill the exam details and click on create button.
- Go to co based evaluations.

CO Based Evaluations

Displaying 1-3 of 3 results

Exam Name	Batch	Subject	Total Mark	Total Time	
series exam 1	2K18	COMPUTER PROGRAMMING	20	1 hr	
module test 1	2K18	COMPUTER PROGRAMMING	20	1 hr	
assignment 1	2K18	COMPUTER PROGRAMMING	20	1 hr	

- All co based exams are displayed here.
- Choose each exam to upload marks.
- Choose the exam

The screenshot shows a web-based application interface for managing CO based exams. On the left, there is a vertical sidebar with icons for Dashboard, Staff Advisor, My Classes, My Timetable, and Substitutions. The main content area has a breadcrumb navigation path: Home > My Classes > EE 2K18 - IIrd Semester - COMPUTER PROGRAMMING > Outcome Assessment > CO based exams > series exam 1. The title of the page is "CO based Question Paper". Below the title, it displays the following exam details:

- Exam Name: series exam 1
- Batch: 2K18
- Subject Name: COMPUTER PROGRAMMING
- Total Mark: 20
- Total Time: 1 hr

A table below these details has columns for Question No, Q Name, Question, and Type. The first row of the table is partially filled with data. At the top right of the main content area, there are two buttons: "Choose template" and "Cut-Off Criteria".

- Click on to create template for the exam.
- Click on [create a template](#).

The screenshot shows a modal dialog box titled "Create A New Template". It contains four input fields: "Template Name" (set to "SERIES EXAM 2"), "Total Mark" (set to "10"), "Total Time" (set to "1"), and "No. of Parts" (set to "1"). At the bottom of the dialog is a blue "Generate" button with a checkmark icon.

- Fill the template details and click on generate button.

Create a new Template

series exam 1	Total Mark:20	Total Time:1 hr
PART A	<input type="checkbox"/> Answer any	Add Question
Render Template Cancel		

- If the question paper contains answer any out of some question (eg: answer any 2 questions from the given 3 questions), then put ✓ mark for **Answer any** check box, then one box will display and fill that field with the number of questions to be attend as shown below.

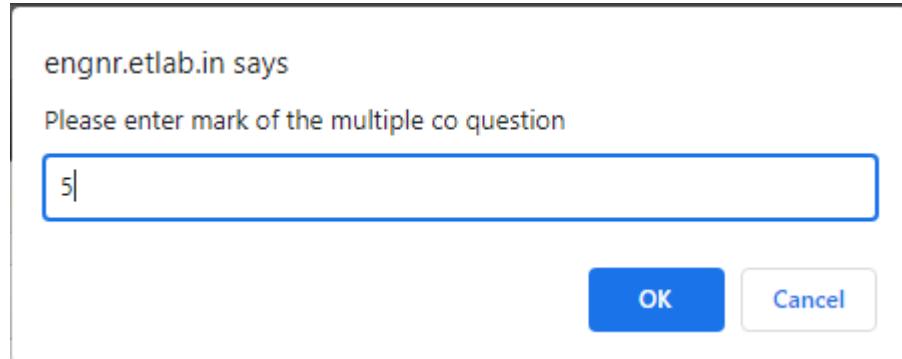
Create a new Template

series exam 1	Total Mark:20	Total Time:1 hr	
PART A	<input checked="" type="checkbox"/> Answer any	<input type="text"/> 2	Add Question
Render Template Cancel			

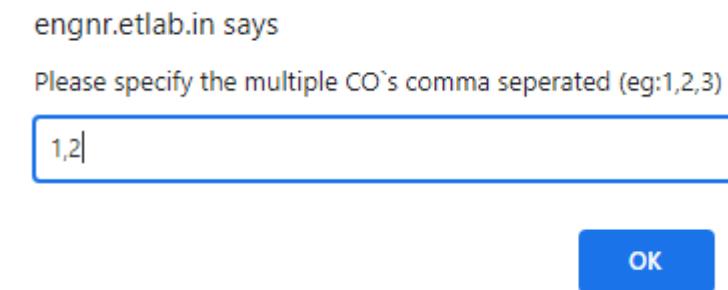
- If we do not need “answer any question”, then click on to add questions to the question paper.

The screenshot shows a web browser window for etlab | Outcome Assessment. The URL is engnr.etlab.in/outcomes/cobasedexam/choosetemplate?exam_id=4455&batch_id=155&sub_id=79. The page displays the 'Choose a Template' section for 'SERIES EXAM 2'. The exam details are: Exam Name: SERIES EXAM 2, Batch: 2K17 B, Subject Name: MECHATRONICS, Maximum Mark: 10, Total Time: 1. A modal window titled 'Create A New Temp' is open, showing the exam title 'SERIES EXAM 2' and total mark/time 'Total Mark:10 Total Time:1'. It contains a question entry field 'Q. 1 + Sub Q' with a dropdown menu 'Select CO' open, showing options 1, 2, 3, 4, 5, 6, and 'Multiple CO'. There are buttons for 'Save Template' and 'Cancel'. The bottom of the screen shows a Windows taskbar with various icons and a system tray indicating the date and time.

- Multiple co questions can be added here. For example, if a question has more than one co then choose multiple co from dropdown list as shown in above picture.



- Enter the mark of the question and click on ok button.



- Enter Cos of the question comma separated and click on ok button.

Create A New Temp x

SERIES EXAM 2 Total Mark:10
Total Time:1

PART A
Answer any Custom Display Text

Q. 1

Multiple CO 5

1 2.5

2 2.5

Add Question

Save Template Cancel

- Enter mark for each co.

Create a new Template

series exam 1 Total Mark: 20 Total Time: 1 hr

PART A

Question	SubQuestion
Q. 1	no of sub questic
OR	
Q. 2	no of sub questic
OR	
Q. 3	2
OR	
Q. 4	no of sub questic

Answer any Add Question

Render Template Cancel



- If two questions are **OR questions**, then click on OR button in-between that two questions. If you click on the OR button, it will turn to green color.

- If any question have **sub questions**, then fill the sub question field with no of questions and click on render template button.

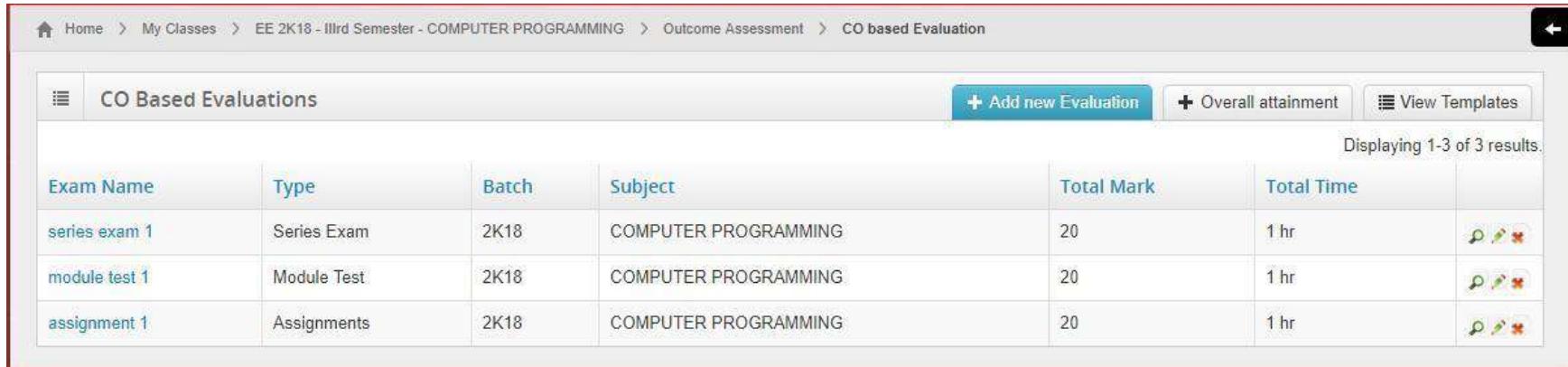
Create a new Template

series exam 1		Total Mark : 20	Total Time : 1 hr
Sl.	CO	Mark	
PARTA			
1	1 ▾	5	
2	2 ▾	5	
3	3 ▾	5	
4	4 ▾	5	

Save Template **Cancel**

- Choose COs and enter marks for each question and click on save template button.
- Here has an option to copy and share the template.

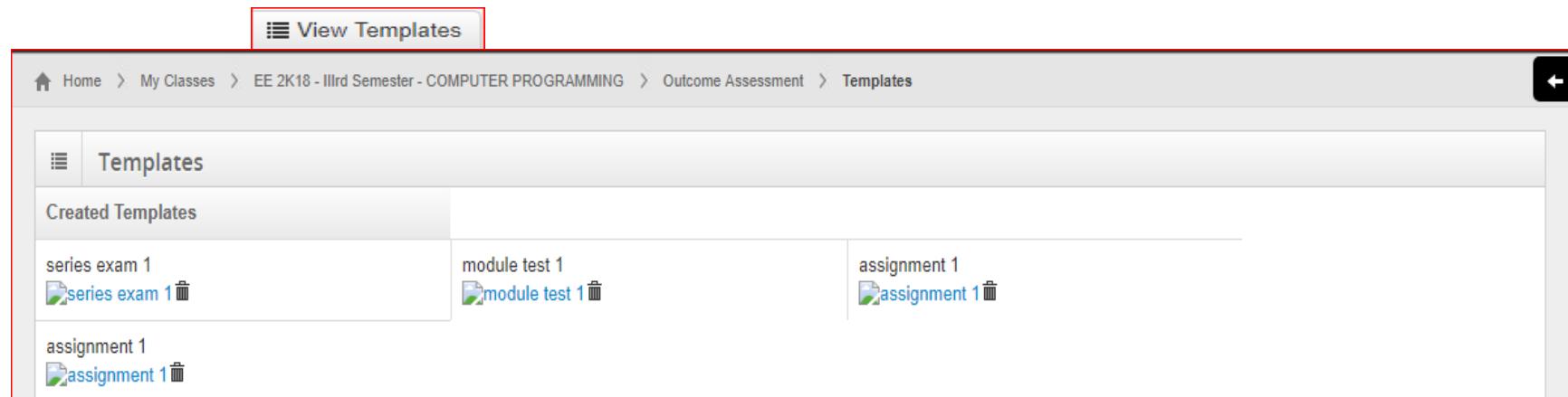
To copy / share a template



The screenshot shows a web-based application interface for managing evaluations. At the top, there is a navigation bar with links: Home > My Classes > EE 2K18 - IIIrd Semester - COMPUTER PROGRAMMING > Outcome Assessment > CO based Evaluation. Below the navigation is a header with the title "CO Based Evaluations" and several buttons: "+ Add new Evaluation", "+ Overall attainment", and "View Templates". A message indicates "Displaying 1-3 of 3 results". The main content is a table with the following data:

Exam Name	Type	Batch	Subject	Total Mark	Total Time	Actions
series exam 1	Series Exam	2K18	COMPUTER PROGRAMMING	20	1 hr	
module test 1	Module Test	2K18	COMPUTER PROGRAMMING	20	1 hr	
assignment 1	Assignments	2K18	COMPUTER PROGRAMMING	20	1 hr	

- Previously created templates are displayed here.
- If we want to copy the template **series exam 1**, click on this exam



The screenshot shows a web-based application interface for managing templates. At the top, there is a navigation bar with links: Home > My Classes > EE 2K18 - IIIrd Semester - COMPUTER PROGRAMMING > Outcome Assessment > Templates. Below the navigation is a header with the title "Templates" and a button "View Templates". The main content is a table with the following data:

Created Templates
series exam 1
module test 1
assignment 1

Govt. College of Engineering Kannur Question Paper Template
Mangattuparamba Parassinkkadavu,P.O Kannur-670563,(Affiliated to Kerala Technological university)

Reg No.: _____ Name: _____

series exam 1 Total Mark:20 Total Time:1 hr

Template Name: * Total Mark: * Total Time: *

Copy Template

Q.No	Sub.Q.No	Category	Module	CO	Mark
PART A					
1	-	Theory	Module 1	1	5.0
2	-	Theory	Module 1	2	5.0
3	-	Theory	Module 1	3	5.0
4	-	Theory	Module 1	4	5.0

Share Template

select **OK**

➤ Click on **Copy Template** button to copy the template.

Govt. College of Engineering Kannur Question Paper Template
Mangattuparamba Perassinkadavu,P.O Kannur-670563,(Affiliated to Kerala Technological university)

Reg No.: _____ Name: _____

Template Name * series exam 3 Total Mark * 25 Total Time * 2 h

Q.No	Sub.Q.No	Category	Module	CO	Mark
1	-	Theory	Module 1	4	10
2	-	Theory	Module 1	3	5.0
3	-	Theory	Module 1	2	5.0
4	-	Theory	Module 1	1	5.0

Create

- Edit exam name, total mark and total time of the exam.
- We can change category, module, co and mark of each question
- Edit the exam details and click on **create** button.
- Other exams can choose the newly created template.

➤ To share template

The screenshot shows a web-based application interface for managing templates. At the top, there is a navigation bar with links: Home, My Classes, EE 2K18 - IIrd Semester - COMPUTER PROGRAMMING, Outcome Assessment, and Templates. Below the navigation bar, the main area is titled 'Templates' and contains a section titled 'Created Templates'. This section lists four items: 'series exam 1' (with a preview thumbnail), 'module test 1' (with a preview thumbnail), 'assignment 1' (with a preview thumbnail), and 'series exam 3' (with a preview thumbnail). Each item has a small trash can icon next to it.

- Choose the template to be shared.
- Choose “ALL MY CLASSES” if you want to share the template to all your classes but with different subject.
- Choose “MY CLASSES WITH SAME SUBJECT” to share template to same subject that are in different classes.

The screenshot shows a detailed view of a template configuration page. At the top, there is a table titled 'PART A' with columns: Q.No, Sub.Q.No, Category, Module, CO, and Mark. The table contains four rows, each with 'Theory' in the Category column and 'Module 1' in the Module column. The CO values are 4, 3, 2, and 1 respectively, and the Marks are 10.0, 5.0, 5.0, and 5.0. Below the table is a 'Share Template' dialog box. It has a dropdown menu currently set to 'select'. Underneath the dropdown, two options are visible: 'ALL MY CLASSES' and 'MY CLASSES WITH SAME SUBJECT'. The 'ALL MY CLASSES' option is highlighted with a blue selection bar.

- Choose the option and click on **ok** button.

The screenshot shows a software application window titled 'Templates'. The top navigation bar includes links for Home, My Classes, EE 2K17 - Vth Semester - Object Oriented Programming, Outcome Assessment, and Templates. The main area is divided into two sections: 'Created Templates' and 'Shared Templates'. The 'Created Templates' section contains six items arranged in two rows of three: 's1' (with icon), 'as1' (with icon), and 's2' (with icon); 'assignment 2' (with icon), 'test tmp' (with icon), and 'test' (with icon). The 'Shared Templates' section contains one item: 'series exam 3' (with icon). A yellow box highlights the 'Shared Templates' section.

- Shared template can choose from other classes.

- Choose the newly created template.

SERIES EXAM 2

Total Mark:10

Total Time:1

Q.No	Sub.Q.No	Category	Module	CO	Mark
1		Theory	Module 1	Multiple CO 1 2	5.00 2.5 2.5
2		Theory	Module 1	3	5.00

+ Choose options

Type: Easy Default 50-50% 60-40% 70-30% 80-20% 90-10%

✓Select & Generate Q.Paper

✓Select & Upload Marks

- Choose **✓Select & Generate Q.Paper**

	Govt. College of Engineering Kannurseries exam 1 Mangattuparamba Parassinikkadavu,P.O Kannur-670563,(Affiliated to Kerala Technological university)		
Reg No.:	Name:		
series exam 1		Sem:IIIrd Semester	Course Code:EE 207
Course Name:COMPUTER PROGRAMMING		Total Mark:20	Total Time:1 hr
Q.No	Question	Mark	
PART A			
1	What are constants?	(5)	Easy-M1-CO1
2	Name different types of errors which can occur during the execution of a program?	(5)	Easy-M1-CO2
3	Define Numeric constants.	(5)	Easy-M1-CO3
4	Define Low-level programming language.	(5)	Easy-M1-CO4
✓ Print			

- Question paper has generated.
➤ To edit questions, click on edit option at the right side of the question.

- To take printout of the question paper, click on print button.

- Choose **✓Select & Upload Marks** to upload marks without generating question paper.

Home > My Classes > EE 2K18 - IIIrd Semester - COMPUTER PROGRAMMING > Outcome Assessment > CO based exams > series exam1

CO based Question Paper

Exam Name	series exam1	mark upload	Generate Question Paper	Cut-Off Criteria
Batch	2K18			
Subject Name	COMPUTER PROGRAMMING			
Total Mark	20			
Total Time	1 hr			

Question No	Q Name	Question	Type

- Choose **mark upload**

Upload Mark

Important : You can upload the marks using the CSV format downloaded from the button "Download Format" available in the top right corner. Only downloaded CSV file will be accepted. All other file format will leads to wrong result in end semester calculation. Please skip empty field as it is.(If output is not there you can keep the field as empty).Do not modify/re-arrange any data in the downloaded file.

No file chosen

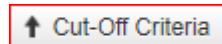
Sub-Q Mark Split Upload **Combined Mark Upload**

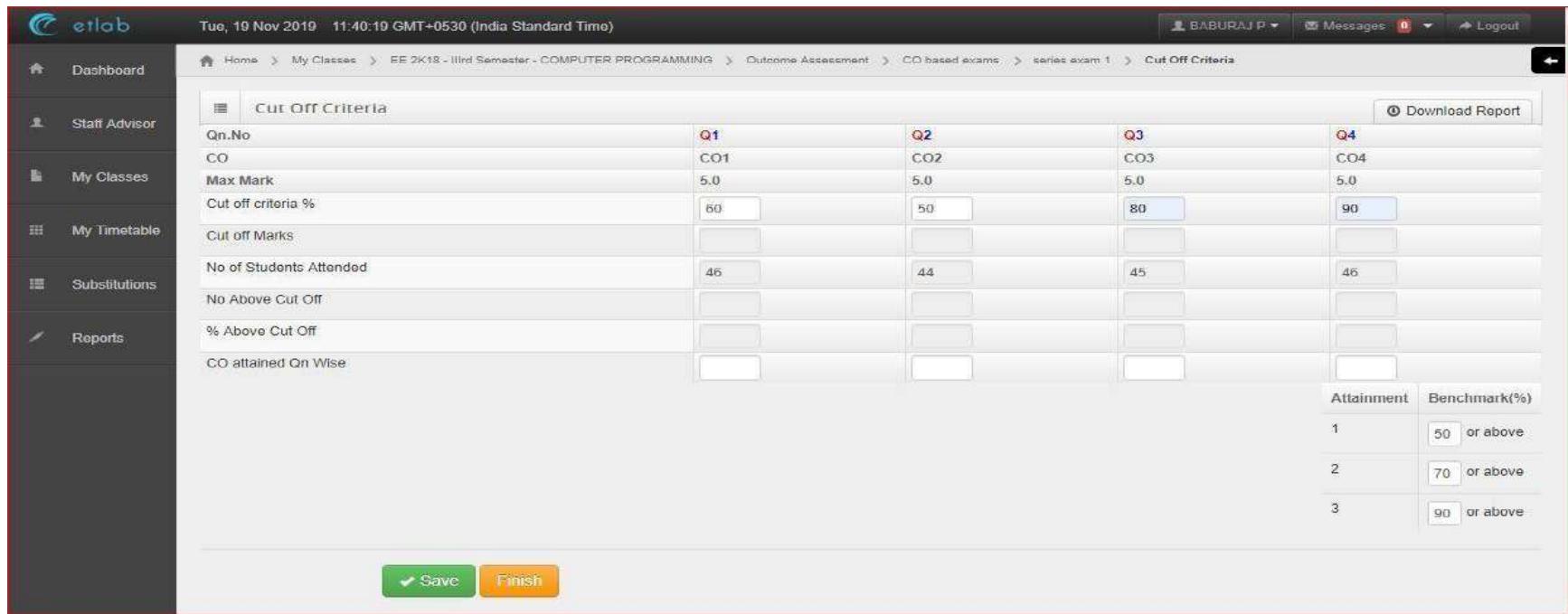
Roll Nos	Name	PART A				Total out of 10
		Q 1(Multiple CO)		Q 1 Total (5.00)	Q2 (5.00).CO3	
a(2.5).CO1	b(2.5).CO2					
101	SAI PRASANTH N	Q 1.a	Q 1.b	0	Q. 2	
102	JISHNU S	Q 1.a	Q 1.b	0	Q. 2	
103	JITHIN P	Q 1.a	Q 1.b	0	Q. 2	
104	NOVIN ANTHONY	Q 1.a	Q 1.b	0	Q. 2	
105	RAJEEESH M	Q 1.a	Q 1.b	0	Q. 2	
106	SANAL KUMAR A R	Q 1.a	Q 1.b	0	Q. 2	
107	SREERAG K R	Q 1.a	Q 1.b	0	Q. 2	
108	MUHAMMED ALI N	Q 1.a	Q 1.b	0	Q. 2	

Activate Windows
Go to Settings to activate Windows.

- Enter marks and click on save button.
- Multiple co question's mark can be added either total mark or can add separately. To add total mark / splitted mark of multiple co based question. Click on blue button present in-between Sub-Q Mark split upload and Combined Mark Upload.
- To download marks, click on **Download** button.
- Marks can be uploaded as csv file. Staff can edit the downloaded file and upload by clicking on choose file button.

To calculate cut off marks

- choose 



Qn.No	Q1	Q2	Q3	Q4
CO	CO1	CO2	CO3	CO4
Max Mark	5.0	5.0	5.0	5.0
Cut off criteria %	60	50	80	90
Cut off Marks				
No of Students Attended	46	44	45	46
No Above Cut Off				
% Above Cut Off				
CO attained On Wise				

Attainment	Benchmark(%)
1	50 or above
2	70 or above
3	90 or above

- Enter cut off criteria of each question and click on save button.

Home > My Classes > EE 2K18 - IIrd Semester - COMPUTER PROGRAMMING > Outcome Assessment > CO based exams > series exam 1 > Cut Off Criteria

Cut Off Criteria					Download Report
Qn.No	Q1 CO1	Q2 CO2	Q3 CO3	Q4 CO4	
CO	5.0	5.0	5.0	5.0	
Max Mark	60	50	40	30	
Cut off criteria %					
Cut off Marks	3	2.5	2	1.5	
No of Students Attended	46	44	45	46	
No Above Cut Off	25	30	36	41	
% Above Cut Off	54.35	68.18	80	89.13	
CO attained Qn Wise	1	1	2	2	
	Attainment	Benchmark(%)			
	1	50 or above			
	2	70 or above			
	3	90 or above			

[Save](#) [Finish](#)

- CO attained question wise has calculated.
- Click on finish button.

Home > My Classes > EE 2K18 - IIrd Semester - COMPUTER PROGRAMMING > Outcome Assessment > CO based exams > series exam 1 > Final attainment

Qn.No	Q1 CO1	Q2 CO2	Q3 CO3	Q4 CO4
CO	CO1	CO2	CO3	CO4
Max Mark	5.0	5.0	5.0	5.0
Cut off criteria %	60	50	40	30
Cut off Marks	3	2.5	2	1.5
No of Students Attended	46	44	45	46
No Above Cut Off	25	30	36	41
% Above Cut Off	54.35	68.18	80	89.13
CO attained Qn Wise	1	1	2	2

CO attainment in series exam 1

CO	CO1	CO2	CO3	CO4
Attainment	1	1	2	2

- CO attainment for this exam are generated here.

Note:

- ❖ Do the same process for all created exams.
- After calculating co attainment of all exams, we have to find overall attainment.
- Choose **+ Overall attainment**

	CO1	CO2	CO3	CO4
CO attainment- series exam 1	1	1	2	2
Weightage	60	50	60	100
CO attainment- module test 1	1	2	1	
Weightage	40	50	40	

Edit

✓ Calculate

- Click on edit button to enter weightage.
- Give weightage for each co.
- The sum of weightage should be 100.
- Then click on calculate button.

CO Attainment

CO - Attainment

External Attainment	Benchmark(%)
(For external CO attainment calculation) <input type="text" value="A+"/>	1 60 or above
	2 65 or above
	3 70 or above

- Cutoff grade and benchmark can be edit from here.
- Cutoff grade can be decided with class average grade.
- This value will take for indirect attainment.

CO - Attainment

		Edit				
CO	Internal %	External %		Direct Attainment	Indirect Assessment	Overall Attainment
CO	Internal 30.0 %	External 70 %		80.0 %	20 %	
CO1	1	2		1.70	3	1.96
CO2	1.5	3		2.55	2	2.44
CO3	1.6	1		1.18	1	1.14
CO4	2	2		2.00	1	1.80

- Click on edit button
- Give weightage for internal and external assessment, direct and indirect assessment.
- Click on **Calculate** button to calculate overall attainment.

CO - Attainment

		Calculate Save Cancel				
CO	Internal %	External %		Direct Attainment	Indirect Assessment	Overall Attainment
CO	Internal 30.0 %	External 70 %		80.0 %	20 %	
CO1	1	2		1.70	3	1.96
CO2	1.5	3		2.55	2	2.44
CO3	1.6	1		1.18	1	1.14
CO4	2	2		2.00	1	1.80

- Attainment has calculated here.
- Click on save button.

CO-PO Mapping

		CO - PO Mapping												View Detailed		
CO	Overall Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PEO1	PEO2	PEO3	PSO1	PSO2	PSO3			
CO1																
CO2																
CO3																
CO4																
Direct Attainment		2.75	2.50	2.25	2.00	2.75	2.25	2.50	1.50	2.25	2.50	3.25	1.50			
Course PO attainment		1.71	1.56	1.40	1.25	1.71	1.40	1.56	0.94	1.40	1.56	2.03	0.94			

- Click on edit button to enter co-po mapping values (0,1,2,3)
- Enter co-po mapping values and click on calculate button.

		CO - PO Mapping												View Detailed		
CO	Overall Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PEO1	PEO2	PEO3	PSO1	PSO2	PSO3			
CO1		1	2	3		1	2	3		3	2	2	1			
CO2		1	1	2	2		3		3	3		1	2			
CO3			2	3		1	2		3	2	1		2			
CO4		3	2	1	2	1		2	1	2	3	2	1			
Direct Attainment		1.09	1.02	1.33	1.41	0.54	1.50	1.58	1.39	1.59	1.16	1.11	0.91			
Course PO attainment		1.27	1.22	1.47	1.53	0.84	1.60	1.66	1.51	1.67	1.33	1.29	1.13			

- Direct attainment and course-po attainment are calculated here.

➤ Click on **View Detailed** to view course - po attainment

CO - PO Mapping														
CO	Overall Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PEO1	PEO2	PEO3	PSO1	PSO2	PSO3	View Normal
CO1		0.65	1.31	1.96	-	0.65	1.31	1.96	-	1.96	1.31	1.31	0.65	
CO2		0.81	0.81	1.63	1.63	-	2.44	-	2.44	2.44	-	0.81	1.63	
CO3		-	0.76	1.14	-	0.38	0.76	-	1.14	0.76	0.38	-	0.76	
CO4		1.80	1.20	0.60	1.20	0.60	-	1.20	0.60	1.20	1.80	1.20	0.60	
Direct Attainment		1.09	1.02	1.33	1.41	0.54	1.50	1.58	1.39	1.59	1.16	1.11	0.91	
Course PO attainment		1.27	1.22	1.47	1.53	0.84	1.60	1.66	1.51	1.67	1.33	1.29	1.13	

Calculation

Course – PO Attainment = (mapping value/3* Overall Attainment)

Eg:

$$\text{CO1} - \text{PO1} \text{ attainment} = 1/3 * 1.96 = 0.65$$

$$\text{CO2} - \text{PO1} \text{ attainment} = 1/3 * 2.44 = 0.81$$

$$\text{CO3} - \text{PO1} \text{ attainment} = 0/3 * 1.14 = -$$

$$\text{CO4} - \text{PO1} \text{ attainment} = 3/3 * 1.80 = 1.80$$

Direct Attainment = average (Course - PO attainment)

$$\text{Eg: co - po1 attainment} = (0.65+0.81+1.80)/3$$

$$= 1.09$$

Table 1

CO Based Evaluations					
	CO1	CO2	CO3	CO4	CO5
CO attainment- assignment 2	1	3	1	3	2
Weightage	30	30	40	40	30
CO attainment- series exam1	2	2	0	0	2
Weightage	40	30	30	30	40
CO attainment- assignment1	2	4	2	3	2
Weightage	30	40	30	30	30

Calculate Export Edit

➤ Sum of weightage of each CO should be 100

Table 2

CO - Attainment					
CO	Internal 80 %	External 20 %	Direct Attainment 70 %	Indirect Assessment 30 %	Overall Attainment
CO1	1.7	1.00	1.56	2.00	1.69
CO2	3.1	1.00	2.68	2.00	2.48
CO3	1	2.00	1.20	2.00	1.44
CO4	2.1	3.00	2.28	3.00	2.50
CO5	2	3.00	2.20	1.00	1.84
Overall CO			1.990		

➤ Internal value is the weighted average of table 1

$$\begin{aligned} \text{Eg: CO1} &= 1*30/100 + 2*40/100 + 2*30/100 \\ &= 1.7 \end{aligned}$$

- Direct attainment = weightage (internal value of co) + weightage (external value of co)

Eg: Direct attainment = $1.7*80/100 + 1*20/100$
 $= 1.56$

- Overall attainment = weightage (direct attainment) + weightage (indirect attainment)

Eg: Overall attainment = $1.56*70/100 + 2*30/100$
 $= 1.69$

- Overall CO = average (overall attainment)

Eg: overall CO = $(1.69 + 2.48 + 1.44 + 2.50 + 1.84) / 5$
 $= 1.990$

Table3 - CO PO mapping

CO - PO Mapping														
CO	Overall Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PEO1	PEO2	PEO3	PSO1	PSO2	PSO3	View Detailed
CO1		1	3	1	3	2	3	2	3	1	1	2	1	
CO2		1	1	1	2	2	1	1	3	3	1	3	2	
CO3		1	2	1	1	3	3	1	3	3	1	1	3	
CO4		1	1	3	3	2	1	1	3	3	1	3	2	
CO5		1	1	3	3	1	2	1	2	3	2	1	3	
Direct Attainment		0.66	0.98	1.24	1.63	1.30	1.20	0.78	1.87	1.76	0.79	1.44	1.43	

Calculation

Course - PO Attainment = (mapping value/3* Overall Attainment)

Eg:

CO1 - PO1 attainment = $1/3*1.69 = 0.56$

CO2 - PO1 attainment = $1/3*2.48 = 0.83$

CO3 - PO1 attainment = $1/3*1.44 = 0.48$

CO4 - PO1 attainment = $1/3*2.5 = 0.83$

CO5 - PO1 attainment = $1/3*1.84 = 0.61$

- Click on view detailed button to view the mapping values

CO - PO Mapping													
CO	Overall Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PEO1	PEO2	PEO3	PSO1	PSO2	PSO3
CO1		0.56	1.69	0.56	1.69	1.13	1.69	1.13	1.69	0.56	0.56	1.13	0.56
CO2		0.83	0.83	0.83	1.65	1.65	0.83	0.83	2.48	2.48	0.83	2.48	1.65
CO3		0.48	0.96	0.48	0.48	1.44	1.44	0.48	1.44	1.44	0.48	0.48	1.44
CO4		0.83	0.83	2.50	2.50	1.67	0.83	0.83	2.50	2.50	0.83	2.50	1.67
CO5		0.61	0.61	1.84	1.84	0.61	1.23	0.61	1.23	1.84	1.23	0.61	1.84
Direct Attainment		0.66	0.98	1.24	1.63	1.30	1.20	0.78	1.87	1.76	0.79	1.44	1.43

- Direct attainment of PO1 = average (each co - po attainment)

Eg:
$$\text{PO1} = (0.56 + 0.83 + 0.48 + 0.83 + 0.61)/5$$

$$= 0.66$$

CUT-OFF CRITERIA OF EACH EXAM

Qn.No	Q1	Q2	Q3	Q4	Q5	Q6	Q7
CO	CO1	CO2	CO3	CO2	CO1	CO2	CO3
Max Mark	5.00	5.00	5.00	5.00	15.00	15.00	15.00
Cut off criteria %	50	50	50	50	50	50	50
Cut off Marks	2.5	2.5	2.5	2.5	7.5	7.5	7.5
No of Students Attended	23	25	29	16	17	24	11
No Above Cut Off	8	8	23	4	0	2	1
% Above Cut Off	34.78	32	79.31	25	0	8.33	9.09
CO attained On Wise	0	0	2	0	0	0	0

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Attainment	Benchmark(%)
1	50 or above
2	60 or above
3	80 or above

Save Cutoff criteria

Here, the cutoff criteria % referred to the percentage to pass that question.

For example, if the cut off criteria % is 50 , then the student should score more than 2.5/5 .

% above cut-off means how many percentage of students attained 50% or above mark.

Attainment benchmark means if percentage above cutoff is 50% - 59% , then attainment will be 1

if percentage above cutoff is 60% - 79% then attainment will be 2

if percentage above cutoff is 80% - 100% then attainment will be 3