



SREE NARAYANA COLLEGE KANNUR

ACCREDITED BY NAAC WITH 'A' GRADE (AFFILIATED TO KANNUR UNIVERSITY)

Sree Narayana College Kannur, P.O. Thottada, Kannur, Kerala, India - 670 007

✉ sncollegekannur@gmail.com ☎ 0497 - 2731085

🌐 www.sncollegekannur.ac.in



4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

- 4.3.1 A) ETLAB



Etlab-Campus ERP is an innovative software to take education beyond the walls and is now used to manage day-to-day administration through automation and assure reliability through error-free computation. The technology used for Etlab web application is the PHP Yii framework and the database technology is MySQL.

Etlab android mobile application is developed in Kotlin and Java and the iOS mobile application is developed using Swift language. Other technologies we use are React, HTML, JavaScript and Bootstrap. We are using a secure Linux-based server with encrypted storage. As provided for all our other clients, in S N COLLEGE also each user has a unique username and password to log in and they get restricted access to the software as per their user type (admin, teaching staff, non-teaching staff, parents and students). Vertical privilege escalation and horizontal privilege escalation mitigation protocols are strictly followed. Once the software is handed over to the college, all the privileges for access control and other management are completely vested with the super admin in the college. Also, the database is regularly backed up to the college server as well as to Etlab server.

Etlab is developed using the Yii framework, one of the most secured PHP frameworks widely used and also regular internal security audit is performed using OWASP guidelines. All the user credentials are encrypted and the user can update their credentials whenever they require. All data transfers through Etlab are encrypted using HTTPS and SSL protocols. Database access permission is currently restricted using user access. Etlab server is protected using multiple-level security protocols. We are committed towards ensuring data protection and privacy of our clients and we will never compromise the trust of our users.

The structure of the Etlab Campus Management Software will involve several modules which will carry out different sets of academic and administrative functionalities. The program will have the following modules/functionalities.

Modules:

User login System

- The software need 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 creation, Report generation including academic reports, facility to export to pdf, csv and word formats, SMS alerts, Emails, Internal messaging system, Campus news/bulletins issue, Exam schedules, Exam results display, Parent interaction, Software login statistics, Graphical Analysis and Student 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, 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 Readressal 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.

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)

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

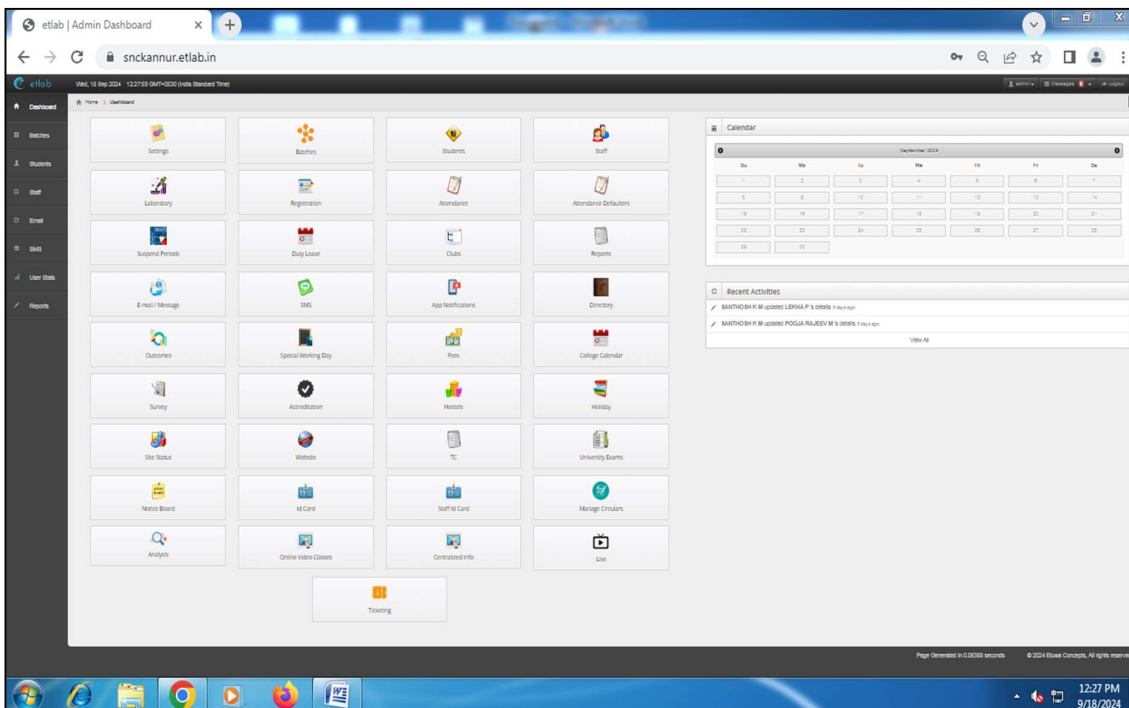
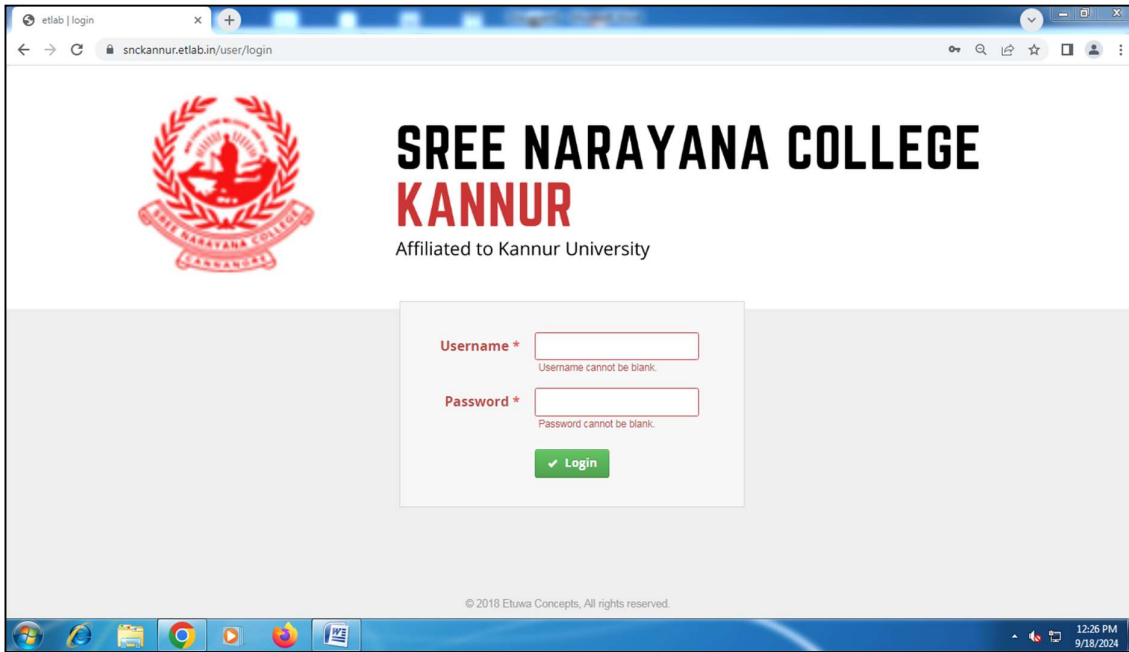
- Features such as attendance marking, Online classroom, Video Lectures (Third party integrated), Course outcome entry, academic Statistics Graphical Analysis, Student remarks, Parent interaction, Exam calendar, Exam scheduler, Exam Results, Internal marks, Evaluations, Digital Notice board, Remarks,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

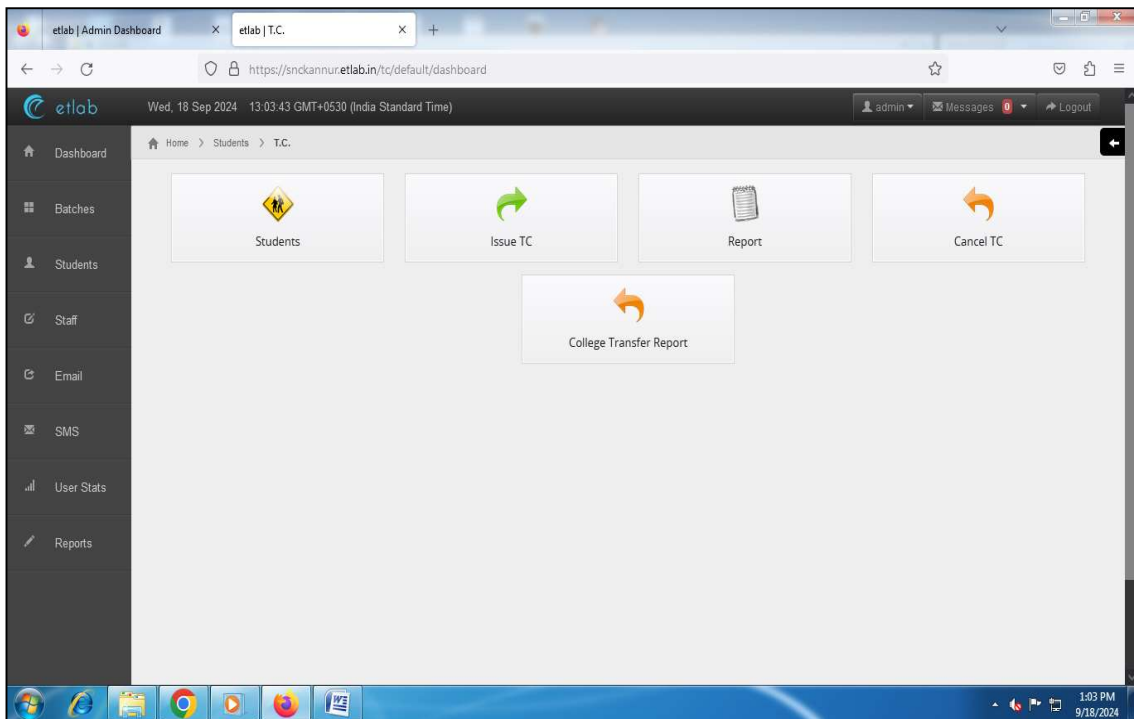
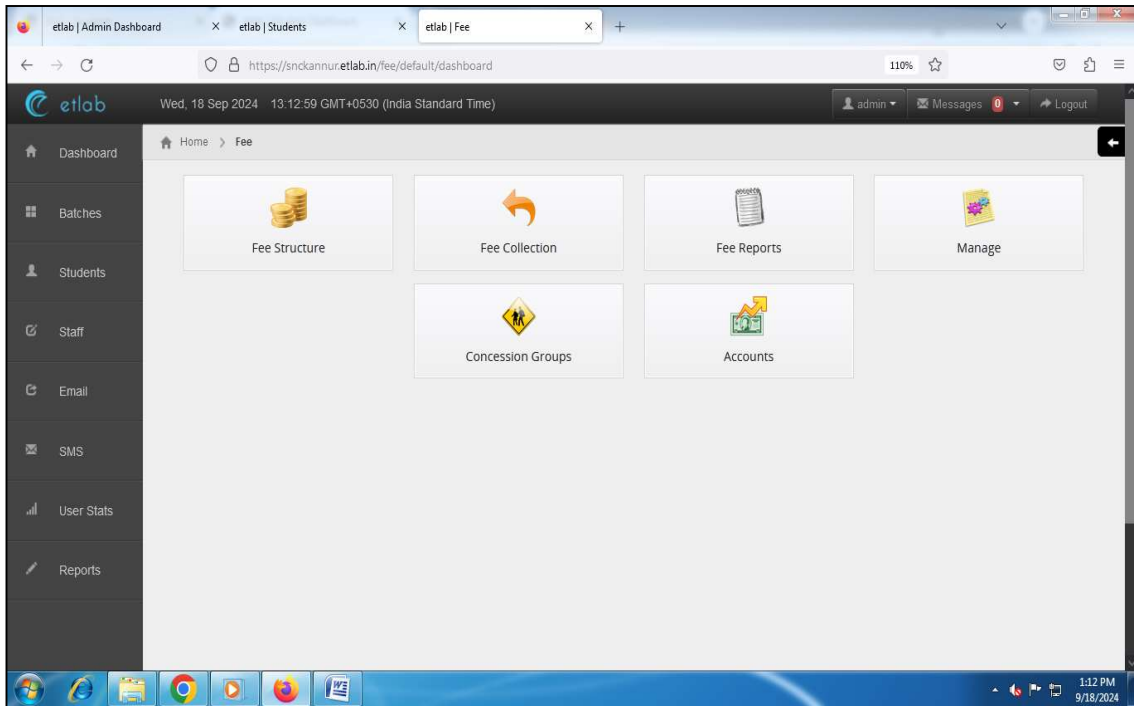
Student Mobile Application Features

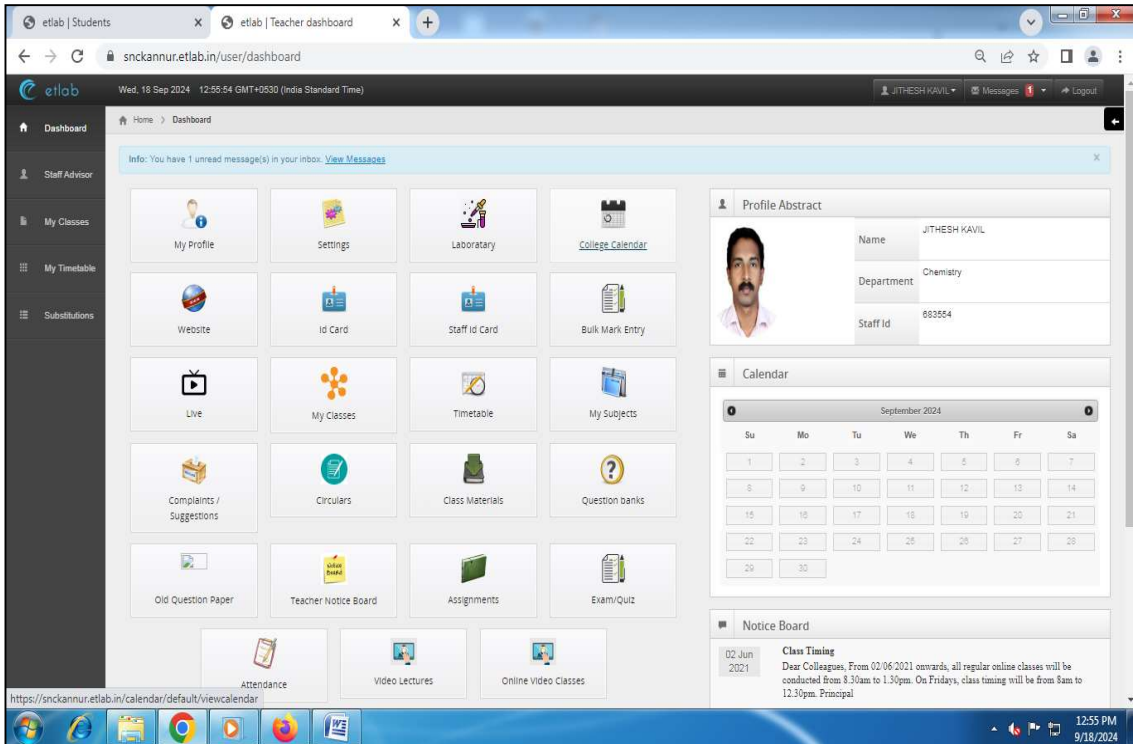
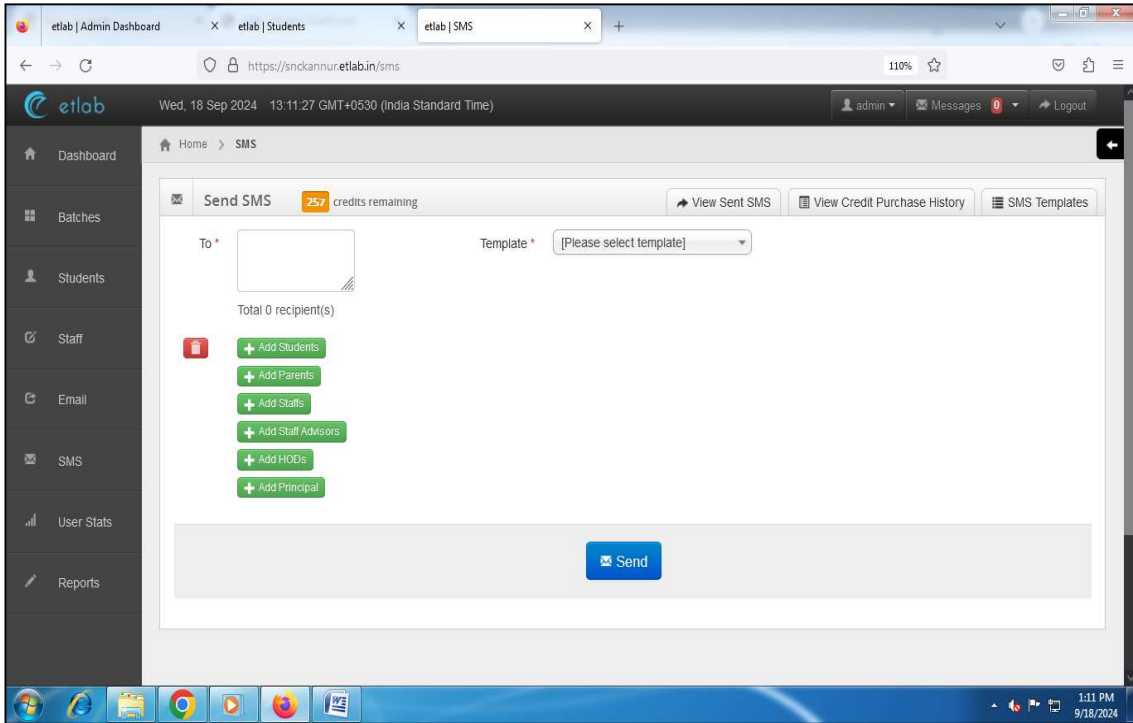
- Such features such include Attendance details, Online classroom, Video Lectures, Exam Results, Study materials, Student activity corner, Calendar notifications, Series exam, Assignment, Semester registration, Question bank, Syllabus, News and events, Remarks, Reviews, Internal assessments, SMS alerts, Internal messaging system and Emails.

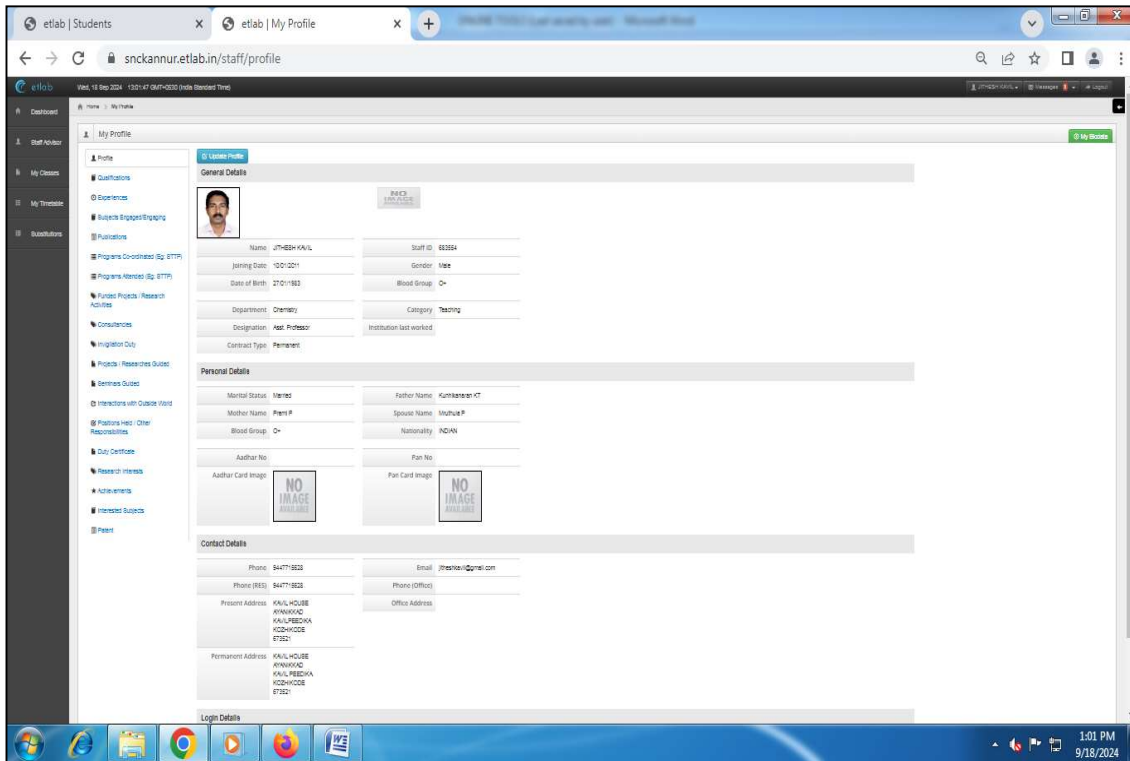
Parent Mobile Application Features

- 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, Internal messaging system and Email

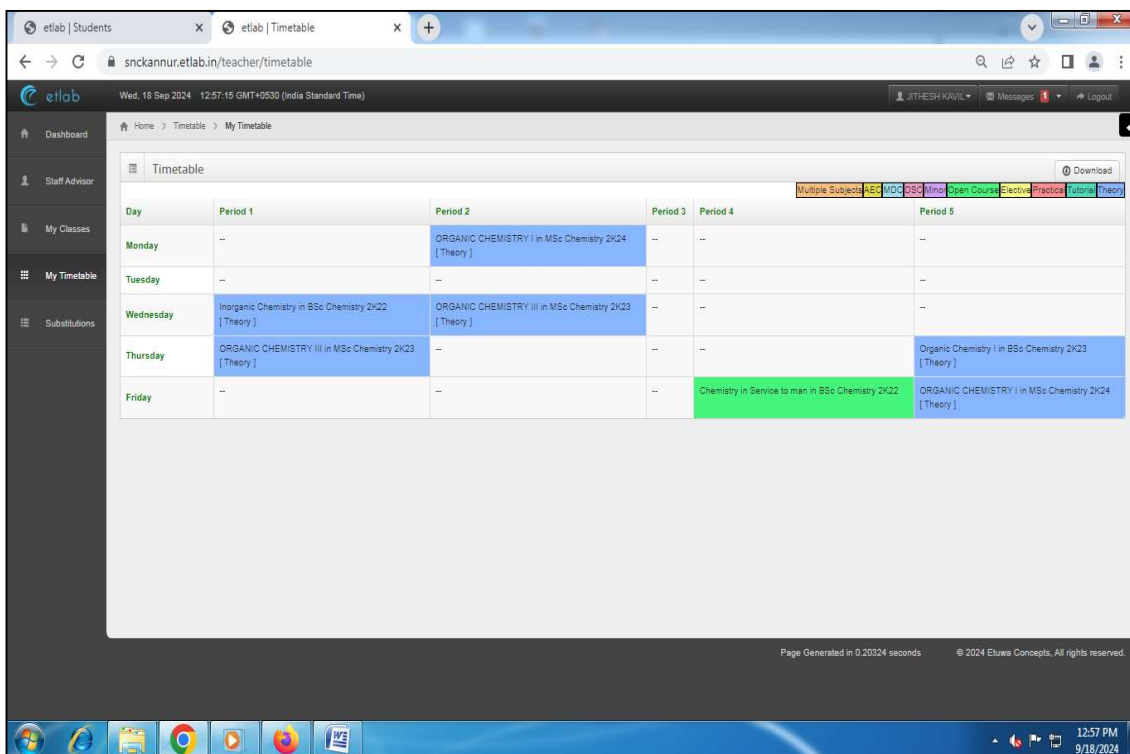








The screenshot shows the 'My Profile' page in the etlab system. The page is divided into several sections: General Details, Personal Details, and Contact Details. The user's name is JITHESH KAVIL, and their staff ID is 88364. They are a male, born on 10/01/2001, with a blood group of O+. Their designation is Asst. Professor, and they are currently working at Sree Narayana College Kannur. The page also includes fields for marital status, parents' names, and various contact information such as phone numbers and email addresses.



The screenshot shows the 'My Timetable' page in the etlab system. It displays a weekly schedule for a teacher. The timetable is organized by days of the week and periods. The subjects and their respective periods are as follows:

Day	Period 1	Period 2	Period 3	Period 4	Period 5
Monday	--	ORGANIC CHEMISTRY I in MSc Chemistry 2K24 [Theory]	--	--	--
Tuesday	--	--	--	--	--
Wednesday	Inorganic Chemistry in BSc Chemistry 2K22 [Theory]	ORGANIC CHEMISTRY III in MSc Chemistry 2K23 [Theory]	--	--	--
Thursday	ORGANIC CHEMISTRY III in MSc Chemistry 2K23 [Theory]	--	--	--	Organic Chemistry I in BSc Chemistry 2K23 [Theory]
Friday	--	--	Chemistry in Service to man in BSc Chemistry 2K22	--	ORGANIC CHEMISTRY I in MSc Chemistry 2K24 [Theory]



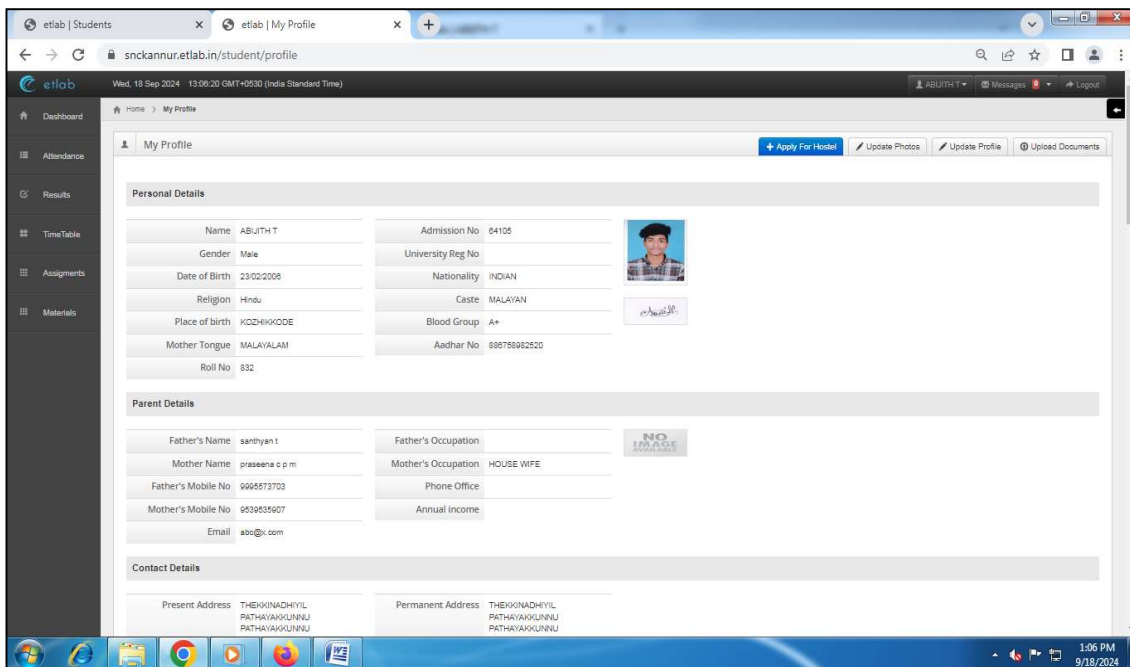
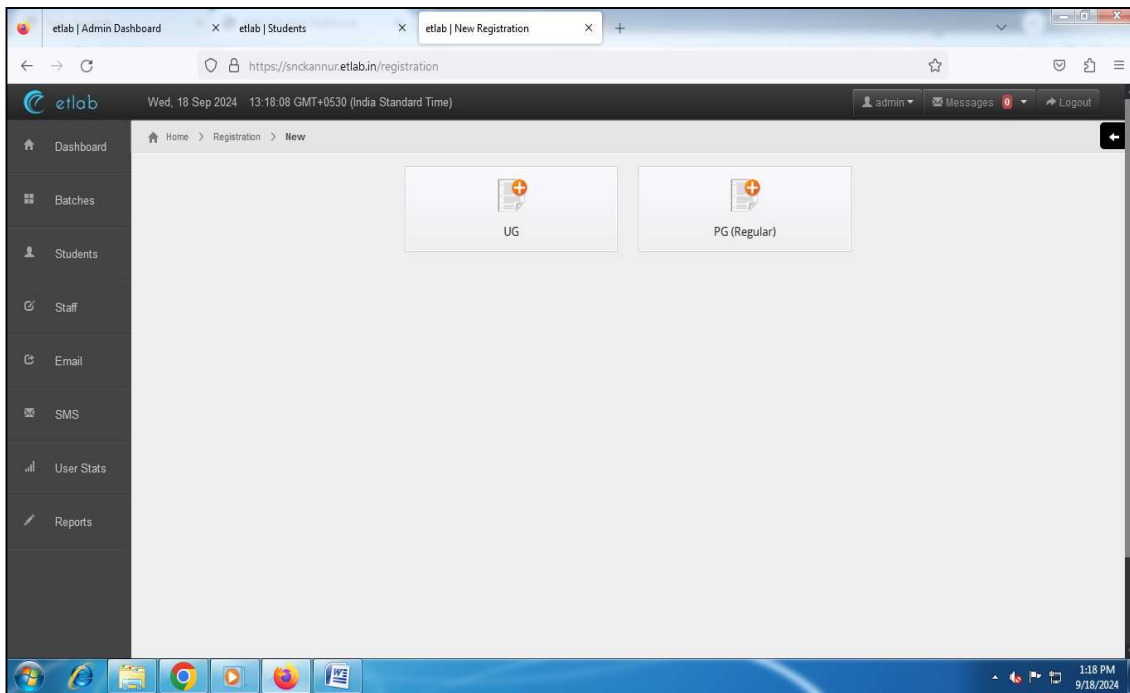
The screenshot shows the 'Select A date to Add Attendance' page in the etlab system. The page includes a legend for attendance status: green for 'Attendance already added', red for 'Attendance not added', and yellow for 'Period Suspended'. A date selector is set to '2024-09-16'. Below this is a table for attendance entry for the date 19/09/2024 (Thursday).

Date	Day	Period 1	Period 2	Period 3	Period 4	Period 5
19/09/2024	Thursday					Add

Page Generated in 0.09606 seconds © 2024 Etlava Concepts, All rights reserved.

The screenshot shows the 'Admin Dashboard' in the etlab system. It features a grid of 40 functional modules such as Settings, Balances, Students, Staff, Laboratory, Registration, Attendance, Attendance Defaults, Suspend Periods, Day Leave, Clubs, Reports, E-mail/Message, SMS, App Notifications, Directory, Customers, Special Working Day, Fees, College Calendar, Survey, Accreditation, Awards, Holiday, Site Status, Website, TSC, University Exams, Notice Board, ID Card, Staff ID Card, Manage Circuits, Analytics, Online Video Classes, Connected Infs, and Live. A 'Calendar' widget shows the month of September 2024, and a 'Recent Activities' section lists updates for users like LAKSHYA P S and POOJA RAJESH W S.

Page Generated in 0.06332 seconds © 2024 Etlava Concepts, All rights reserved.





etlab | Attendance

snckannur.etlab.in/kuacademics/student/attendance

Wed, 18 Sep 2024 12:50:18 GMT+0530 (India Standard Time)

SRUTHI SUNIL

Messages

Logout

Home > Attendance

View Attendance for Ilird semester

Export Attendance

Medical Leave

Attendance

Attendance By Month

Attendance By Subject

Attendance By Subject with Outlyave

View Attendance for Ilird semester

Ilird semester

Sep 2024

Present Absent Leave N/A Holiday

Date	Period 1	Period 2	Period 3	Period 4	Period 5
1 st					
2 nd	3A11MCB - Biochemistry for Microbiology				
3 rd			3A12 MCB - Bioinformatics and Biinstrumentation		
4 th					
5 th		3B02MCB - Microbial Physiology and Metabolism			
6 th	3A11MCB - Biochemistry for Microbiology				

12:50 PM 9/18/2024

etlab | Timetable

snckannur.etlab.in/student/timetable

Wed, 18 Sep 2024 12:53:28 GMT+0530 (India Standard Time)

SRUTHI SUNIL

Messages

Logout

Home > Timetable

Timetable

Free Period

Elective

Practice

Theory

Day	Period 1	Period 2	Period 3	Period 4	Period 5
Monday	Biochemistry for Microbiology [Theory] SNEHA M V	Bioinformatics and Biinstrumentation [Theory] ATYANA N	Free Period	Free Period	Microbial Physiology and Metabolism [Theory] PRAJINA P
Tuesday	Practical	Practical	Bioinformatics and Biinstrumentation [Theory] SNEHA M V	Free Period	Free Period
Wednesday	Practical	Practical	Microbial Physiology and Metabolism [Theory] SNEHA M V	Free Period	Free Period
Thursday	Microbial Physiology and Metabolism [Theory] PRAJINA P	Microbial Physiology and Metabolism [Theory] SNEHA M V	Biochemistry for Microbiology [Theory] RAMESAN C.K.V	Free Period	Free Period
Friday	Microbial Physiology and Metabolism [Theory] PRAJINA P	Biochemistry for Microbiology [Theory] RAMESAN C.K.V	Bioinformatics and Biinstrumentation [Theory] ATYANA N	Free Period	Free Period

Special classes

date	Subject	Teacher	Period
No upcoming specialclasses			

Changes in timetable

date	Teacher	In Place Of	Period
No changes			

12:53 PM 9/18/2024



The screenshot shows the etlab Admin Dashboard. The browser address bar indicates the URL <https://snckannur.etlab.in/survey/default/index>. The dashboard is titled "Teacher Evaluation Surveys" and displays a table with 3 surveys. Below it, there is a section for "General Surveys" displaying 2 surveys. The interface includes a sidebar with navigation options like Dashboard, Batches, Students, Staff, Email, SMS, User Stats, and Reports. The top right shows the user is logged in as "admin" and the current date is Wednesday, 18 Sep 2024.

Survey Id	Name	Status	Created By	Create Time
TE5-Jul-2023	Teacher evaluation 2023	Active	admin	2023-07-21 15:09:56
TE4-May-2022	Teacher Evaluation 2022	Active	admin	2022-05-31 10:59:49
TE1-Jul-2021	Teacher Evaluation	Active	admin	2021-07-16 15:00:45

Survey Id	Name	Department	Batch	Status	Created By	Create Time

INVOICE

To,
Principal
Sree Narayana College, Thottada
Kannur, Kerala, India.

Date: 12/02/2021
Invoice No: 0138

Sl.No.	Description	Students Count	Amount (Rs)
1	Etlab-Campus Management Software 2020-21	UG - 670 PG - 120	670*150 = 100500/- 120*150 = 18000/-
Total			118500/-
SGST (9%)			-
CGST (9%)			-
KFC (1%)			-
Grand Total: One Lakh Eighteen Thousand and Five Hundred Rupees Only			1,18,500/-

(Make all cheques payable to: Etuwa Concepts Private Limited)

Bank A/C Details
Name: Etuwa Concepts Private Limited
Account No: 018105002836
Bank: ICICI Bank
Branch: Kannur
IFSC: ICIC0000181
Type of Account: Current Account



For Etuwa Concepts Pvt. Ltd

Banum

Director

Authorized Signatory

INVOICE

To,
Principal
Sree Narayana College, Thottada
Kannur, Kerala, India.

Date: 19/11/2021
Invoice No: 152

Si.No.	Description	Students Count	Amount (Rs)
1	Etlab-Campus Management Software 2021-22	UG - 670 + 700 = 1370 PG - 120 + 120 = 240	1370*150 = 2,05,500/- 240*150 = 36,000/-
Total			2,41,500/-
SGST (9%)			-
CGST (9%)			-
Grand Total: Two Lakh Forty One Thousand and Five Hundred Rupees Only			2,41,500/-

(Make all cheques payable to: Etuwa Concepts Private Limited)

Bank A/C Details
Name: Etuwa Concepts Private Limited
Account No: 018105002836
Bank: ICICI Bank
Branch: Kannur
IFSC: ICIC0000181
Type of Account: Current Account



For Etuwa Concepts Pvt. Ltd


Director

Authorized Signatory

INVOICE

To,
Principal
Sree Narayana College, Thottada
Kannur, Kerala, India.

Date: 16/11/2022
Invoice No: 030

Si.No.	Description	Students Count	Amount (Rs)
1	Etlab-Campus Management Software 2022-23	UG - 670 + 700 + 700 = 2070 PG - 120 + 120 = 240	2070*150 = 3,10,500/- 240*150 = 36,000/-
Total			3,46,500/-
SGST (9%)			-
CGST (9%)			-
Grand Total: Three Lakh Forty-Six Thousand and Five Hundred Rupees Only			3,46,500/-

(Make all cheques payable to: Etuja Concepts Private Limited)

Bank A/C Details
Name: Etuja Concepts Private Limited
Account No: 018105002836
Bank: ICICI Bank
Branch: Kannur
IFSC: ICIC0000181
Type of Account: Current Account



For Etuja Concepts Pvt. Ltd


Director

Authorized Signatory

INVOICE

Date: 08/11/2023
Invoice No: 032

To,
Principal
Sree Narayana College, Thottada
Kannur, Kerala, India.

Si.No.	Description	Students Count	Amount (Rs)
1	Etulab-Campus Management Software 2023-24 and Website Management	UG - 688 + 645 + 704 = 2037 PG - 110 + 111 = 221	2037*150 = 3,05,550/- 221*150 = 33,150/-
Total			3,38,700/-
SGST (9%)			-
CGST (9%)			-
Grand Total: Three Lakh Thirty-Eight Thousand and Seven Hundred Rupees Only			3,38,700/-

(Make all cheques payable to: Etuja Concepts Private Limited)

Bank A/C Details
Name: Etuja Concepts Private Limited
Account No: 018105002836
Bank: ICICI Bank
Branch: Kannur
IFSC: ICIC0000181
Type of Account: Current Account



For Etuja Concepts Pvt. Ltd


Director

Authorized Signatory

INVOICE

Date: 08/09/2024
Invoice No: 030

To,
Principal
Sree Narayana College, Thottada
Kannur, Kerala, India.

Si.No.	Description	Students Count	Amount (Rs)
1	Etlab-Campus Management Software 2024-25 and Website Management – First Term	UG - 676 + 681 + 643 = 2000 PG - 108 + 110 = 218	2000*150 = 3,00,000/- 218*150 = 32,700/- 332700/2 = 1,66,350/-
Total Amount			1,66,350/-
SGST (9%)			-
CGST (9%)			-
Grand Total (First Term): One Lakh Sixty-Six Thousand Three Hundred and Fifty Rupees Only			1,66,350/-

(Make all cheques payable to: Etuwa Concepts Private Limited)

Bank A/C Details
Name: Etuwa Concepts Private Limited
Account No: 018105002836
Bank: ICICI Bank
Branch: Kannur
IFSC: ICIC0000181
Type of Account: Current Account



For Etuwa Concepts Pvt. Ltd


Director

Authorized Signatory