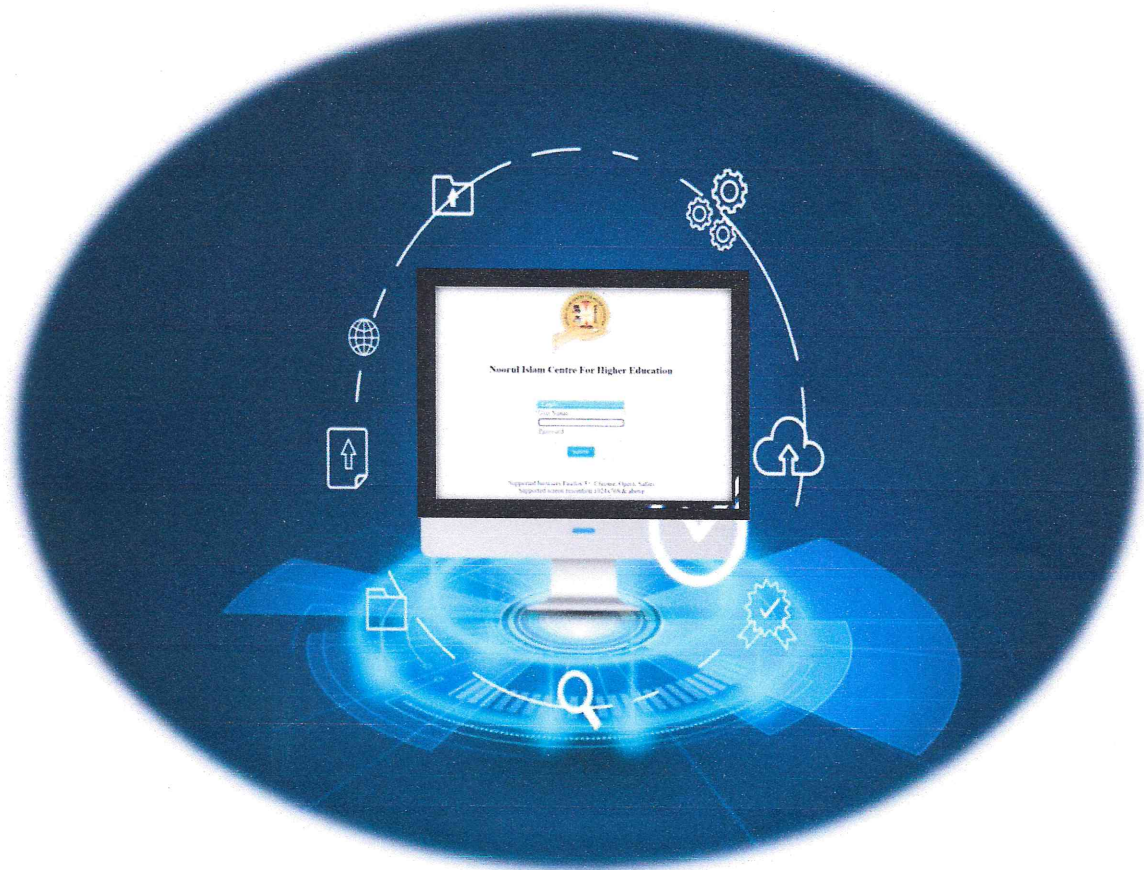
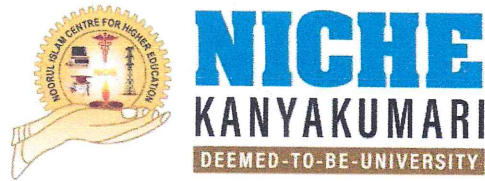




NICHE ERP University Automation Software Suite:

- Module Guide and User Manual

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Preamble

Welcome to the University ERP Software User Manual for Noorul Islam Centre for Higher Education (NICHE). This document is intended to guide you through the comprehensive features and functionality of the Enterprise Resource Planning (ERP) software developed specifically to address the administrative, academic, and operational needs of our University. The University ERP is designed as an integrated solution to streamline processes, enhance data accessibility, and support decision-making, contributing to efficient management and a more productive academic environment.

Overview of the ERP System

The University ERP system is a robust, web-based platform that facilitates the digital transformation of various institutional processes at NICHE. It provides a centralized user interface and modular architecture to cater to the diverse requirements of the University. From managing admissions to handling finances, academics, and examinations the ERP system optimizes workflow and ensures that every department operates cohesively and with efficiency.

The primary objective of this ERP is to simplify complex tasks and improve the accessibility of information across NICHE's operational domains. Each module within the ERP is tailored to handle specific processes, ensuring that staff, faculty, and students benefit from enhanced interdepartmental communication, data accuracy and reduced paperwork.

By incorporating this ERP, NICHE aims to transition into a digitally-driven institution, capable of responding to the dynamic demands of the education sector. The ERP is also instrumental in maintaining compliance with regulatory requirements, improving transparency, and elevating the quality of services provided to stakeholders.

Key Modules in the ERP System

The University ERP comprises multiple core modules, each with distinct functions. Below is an overview of the modules within the ERP system:

1. Application Module

The Application Module allows students to apply for various programs offered by NICHE. It provides an online interface where prospective students can submit applications, upload necessary documents. This module automates the application process, reducing administrative burden and enabling applicants to interact seamlessly with the university.

2. Admission Module

The Admission Module is designed to manage and automate the admission process, from application review to enrollment. It streamlines tasks such as document verification, admission fee payment, and allotment of seats. This module ensures efficient handling of admissions while enhancing the applicant's experience.

3. Academics Module

The Academics Module enables faculty and students to access curriculum details, course schedules, attendance records, and academic calendars. It serves as a central repository of academic data, supporting functions such as class management, lecture scheduling, and academic performance tracking.

4. Finance Module

The Finance Module automates the financial operations of NICHE, including fee collection, budgeting, and expense tracking. It facilitates accurate record-keeping and financial reporting, promoting transparency and accountability in financial management.

5. Examination Module

The Examination Module oversees all aspects of the examination process, including exam scheduling, result generation, and grade distribution. This

module provides tools for managing question papers, evaluating answer sheets and publishing results, making the entire examination process streamlined and accessible.

6. Human Resource (HR) Modul

The Human Resource Module manages NICHE's personnel-related processes, including staff on roll. It assists the HR department in maintaining employee records, managing staff assignments, and ensuring regulatory compliance.

7. Hostel Module

The Hostel Module facilitates the allocation and management of hostel accommodations for students. It automates the hostel admission process, room assignment, and fee collection, ensuring a smooth experience for both students and hostel administrators.

8. Administration Module

The Administration Module enables the assignment of roles and access permissions for users, allowing for the configuration of various user access levels and permissions tailored to each user's responsibilities.

User Interface and Access

The ERP system features a user-friendly, web-based interface accessible from any internet-enabled device. Each module within the ERP has been designed with ease of use in mind, allowing users to navigate seamlessly between different functions and retrieve information with minimal effort. The interface is intuitive, with organized dashboards and quick-access menus for each user role, such as faculty, staff, students, and administrators.

Role-based access control ensures that each user has access only to the features and data pertinent to their responsibilities, protecting the integrity and confidentiality of sensitive information. For example, while faculty can access class schedules, attendance records, and student performance data.

Key Benefits of the University ERP

Implementing the University ERP brings several benefits to NICHE, which include:

- **Improved Operational Efficiency:** By automating routine tasks and centralizing information, the ERP reduces manual workload, minimizes errors, and enhances productivity across departments.
- **Enhanced Decision-Making:** With real-time data access and analytics, university administrators can make informed decisions that contribute to the institution's growth and development.
- **Data Security and Compliance:** The ERP system ensures secure storage and handling of data while adhering to regulatory standards, thus protecting sensitive information.
- **Seamless Communication:** The ERP enables seamless communication and data-sharing across departments, reducing redundancy and promoting a cohesive work environment.

This User Manual provides detailed instructions on how to navigate and use each module within the University ERP system. Users are encouraged to refer to the relevant sections for guidance on specific processes. By following this manual, you will be equipped to make full use of the ERP's capabilities, thereby contributing to a smoother and more efficient university environment at NICHE.

1. NICHE ERP - Admission Module - Entrance Tab

The Entrance Module under the Admission tab is designed to streamline and manage all activities related to the processing of received applications, preparation for the online entrance examination, and additional tasks such as hall ticket generation.

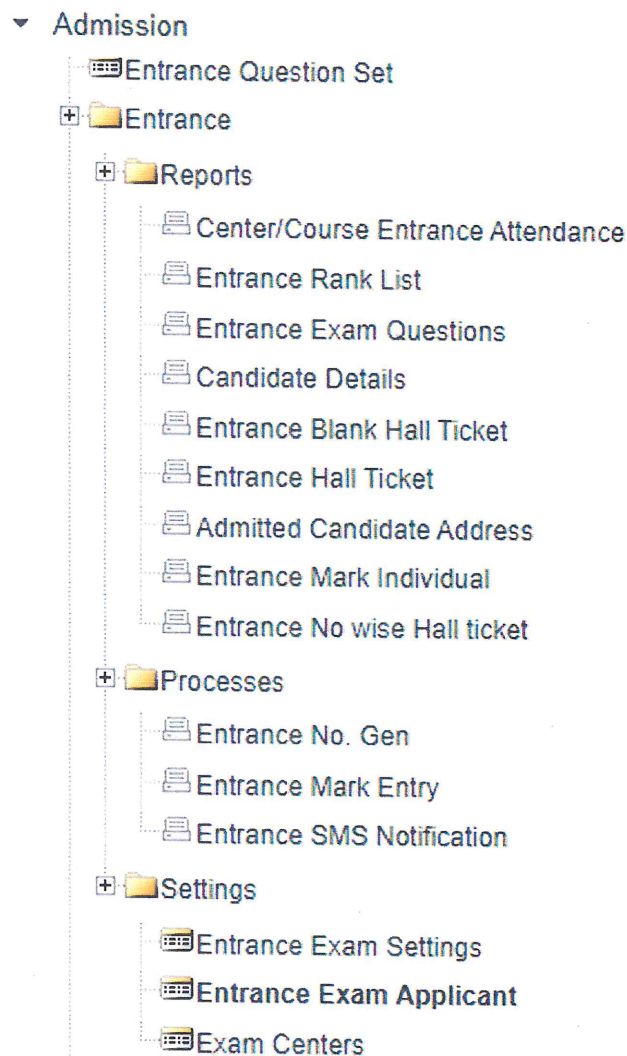


Figure 1.1 – Entrance Tab Menu Items

Admission Application Interface



**NOORUL ISLAM CENTRE
FOR HIGHER EDUCATION**

Accredited by NAAC (Grade - C)
Approved by UGC (University Grants Commission)

Admission Prospectus 2024-2025





ADMISSION 2024-2025

INSTRUCTIONS

Stage 1: New User Registration

- ▶ Enter all the relevant details carefully.
- ▶ All the communications will be sent to your registered email address and mobile number.

Stage 2: Filling Online application form

- ▶ Provide all relevant details carefully, before submission.
- ▶ An application number will be generated after submission.
- ▶ Refer your application number for all your future correspondence.

Stage 3: Mode of payment

- ▶ The cost of application is Rs.500/- and it is non-refundable.
- ▶ Payment modes : Netbanking / Credit / Debit card / Paytm.

Stage 4: Payment transaction queries

- ▶ At the time of transaction, if the amount is debited, kindly wait for an hour to confirm the payment status in same login page.
- ▶ If the amount is debited more than one time, it will be refunded to your account in 5 to 7 working days.

Note: After submission you can't make changes, so kindly check before the submission of the application.

Name of the Candidate*

Name of Father/Guardian*

Address (House Number/Name)*
(Enter alphabets, numbers and _ only)

Street*
(Enter alphabets, numbers and _ only)

Place*
(Enter alphabets, numbers and _ only)

District

Pin Code

State
Select

Nationality*

Mobile Number*
This will be used for future communication.

Alternate Mobile Number

E-Mail ID*
This will be used for future communication.

Sex*
Select

Date of birth
YYYY/MM/DD

Community (Certificate has to be enclosed)
Select

Caste*

Religion*

Course Applying For
Select

Qualification*

Discipline*

DECLARATION BY THE APPLICANT
I declare that all particulars mentioned in the application are true to the best of my knowledge. I declare that the copies of the original certificates and documents produced by me along with the application will be submitted to the University at the time of admission or at any time when required. I further declare that if anything in my application is found incorrect, I shall be liable to forfeit my seat and removed from the roll of the University, at whatever state my study may be, besides making me liable for criminal prosecution.

Submit Now

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Figure 1.2 – Admission Application Form

The Admission Application Interface is designed to streamline the application process for prospective students seeking to pursue their studies at the University. Integrated seamlessly with the University's official website, this interface enables candidates to submit their complete application information in a structured and user-friendly format. Through this platform, applicants can fill in personal details, academic qualifications, course preferences, and other relevant information necessary for admission consideration.

This online application system provides an accessible and efficient means for candidates to apply for their desired programs, whether undergraduate, postgraduate, or specialized courses. After entering their details, applicants can review their submission before finalizing it, ensuring that all information provided is accurate and complete. Once the application is submitted, the system automatically records the data, enabling the admissions team to process applications swiftly.

Additionally, the Admission Application Interface offers guidance and instructions to assist applicants throughout the process, reducing the likelihood of errors and simplifying the experience. By leveraging this digital platform, the University ensures a streamlined admission procedure, enhancing accessibility for applicants while allowing the admissions team to manage data efficiently.

Entrance Exam Question Setting

In the Entrance Module, the **Entrance Exam Question Setting** tab plays a pivotal role in configuring the question sets for the online entrance examination. This tab allows authorized users to enter multiple-choice questions (MCQs) and their respective answer choices for various programs offered at the university.

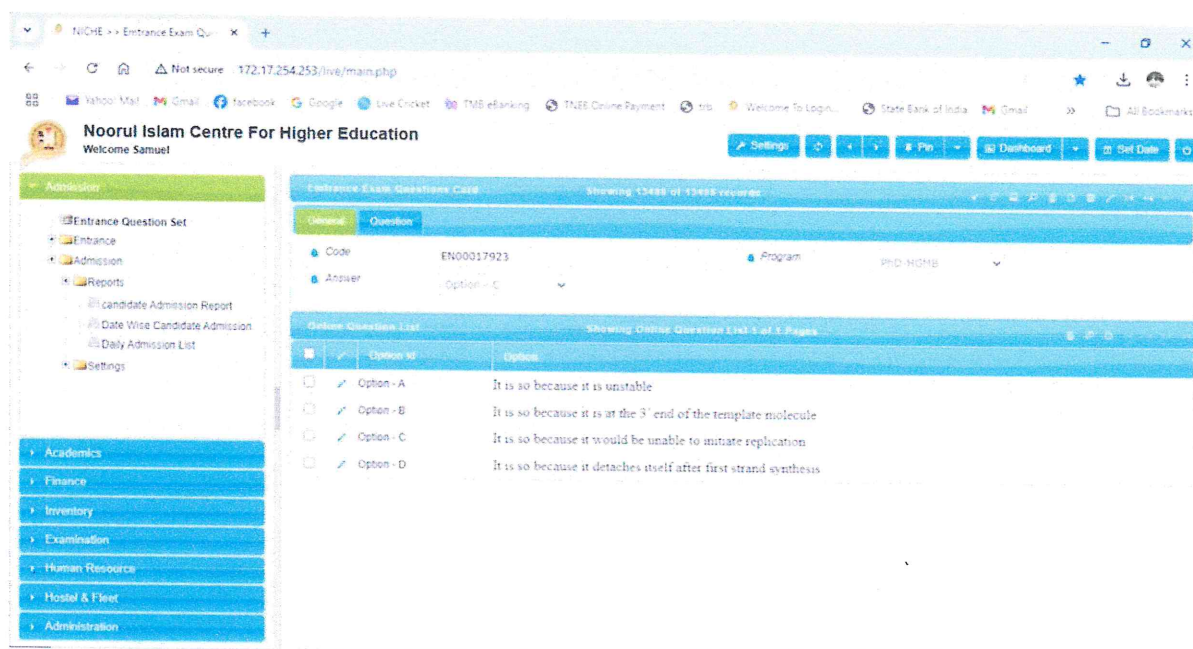


Figure 1.3 – Entrance Exam Question Setting

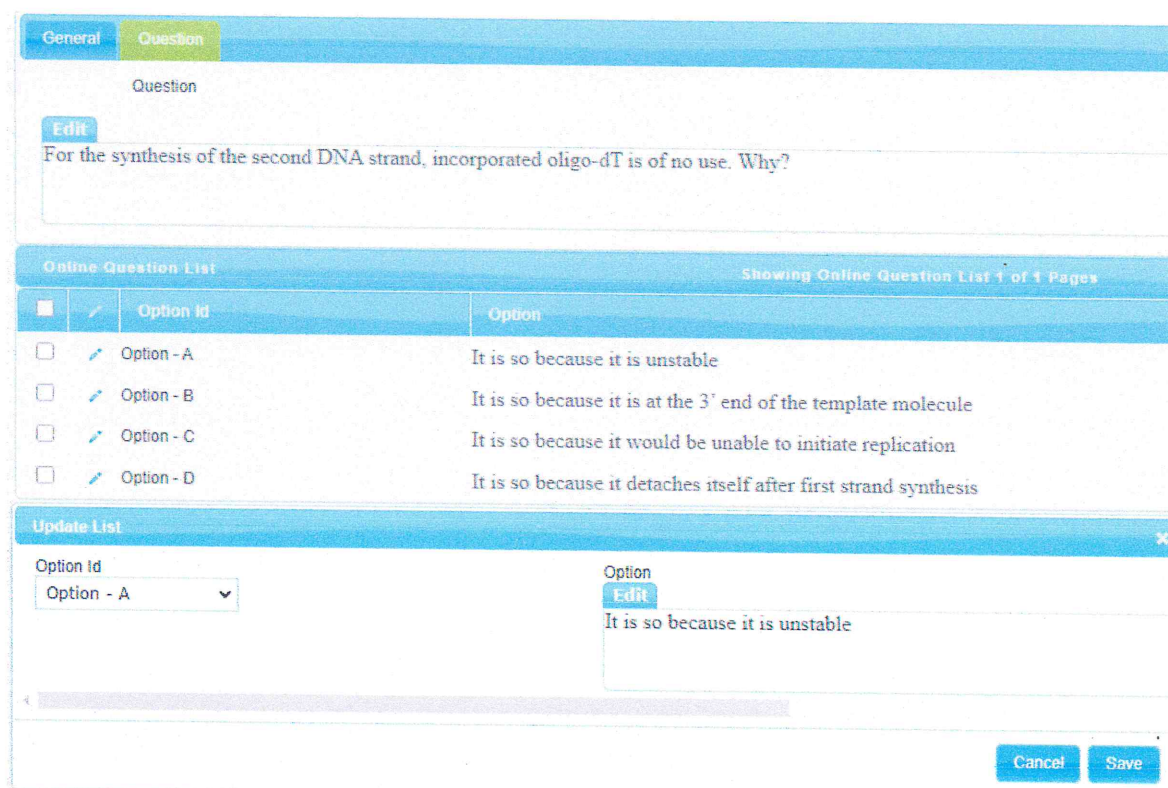


Figure 1.4 – Entrance Exam Question Editing Interface

Key Functionalities of the Entrance Exam Question Setting Tab

1. Question Input and Organization

- **Question Creation:** Authorized users can input questions into the system directly. The tab provides a straightforward interface where users can type or paste questions along with multiple answer choices (typically 4 to 5 options per question).
- **Answer Key Specification:** For each question, users specify the correct answer(s). This allows the system to automatically score the exam upon submission by candidates.

2. Categorization by Program and Subject

- **Program-Specific Question Sets:** Questions are categorized by the specific programs (e.g., Engineering, Management, Arts, Sciences) offered at the university, ensuring that each entrance exam aligns with the knowledge requirements of the respective discipline.
- **Subject-Based Organization:** Within each program, questions are further categorized by subject or topic, allowing users to create comprehensive question pools for various academic fields. This enables the creation of focused exams that assess relevant knowledge areas.

3. Question Bank Management

- **Question Pooling:** The tab supports the creation of a question bank from which random questions can be selected to form unique exam sets. This helps in maintaining exam integrity by minimizing the chances of repeated questions.

4. Exam Customization Options

- **Navigation Rules Configuration:** The tab allows administrators to set up question navigation rules, such as enabling or disabling the ability to skip questions, backtrack, or review answers before final submission.

- **Time Limit Settings:** For each exam, users can configure a time limit, setting a maximum duration that candidates have to complete the test. This duration can be customized based on the difficulty and scope of the exam.
- **Randomization:** The system supports randomization of question order and answer choices to ensure a unique experience for each candidate, thus enhancing test security.

5. Preview and Testing

- **Exam Preview:** The tab offers a preview feature, allowing users to review the exam layout, question formatting, and navigation functionality. This helps administrators ensure that the test is well-structured and accessible to candidates.
- **Test Mode:** An optional test mode allows users to simulate the exam environment, verifying that all settings, time limits, and navigation rules function as intended.

The Entrance Exam Question Setting tab is a vital tool in delivering a reliable and standardized exam experience, ensuring that each test adheres to NICHE's academic requirements while providing candidates with a smooth and fair evaluation process.

Entrance Attendance Report

The Center Wise Entrance Attendance Report allows users to print attendance sheets for candidates who have applied to various courses and are eligible to appear in the entrance examination, organized by examination center. This feature provides an easy, organized way to track and verify candidate details across multiple locations.

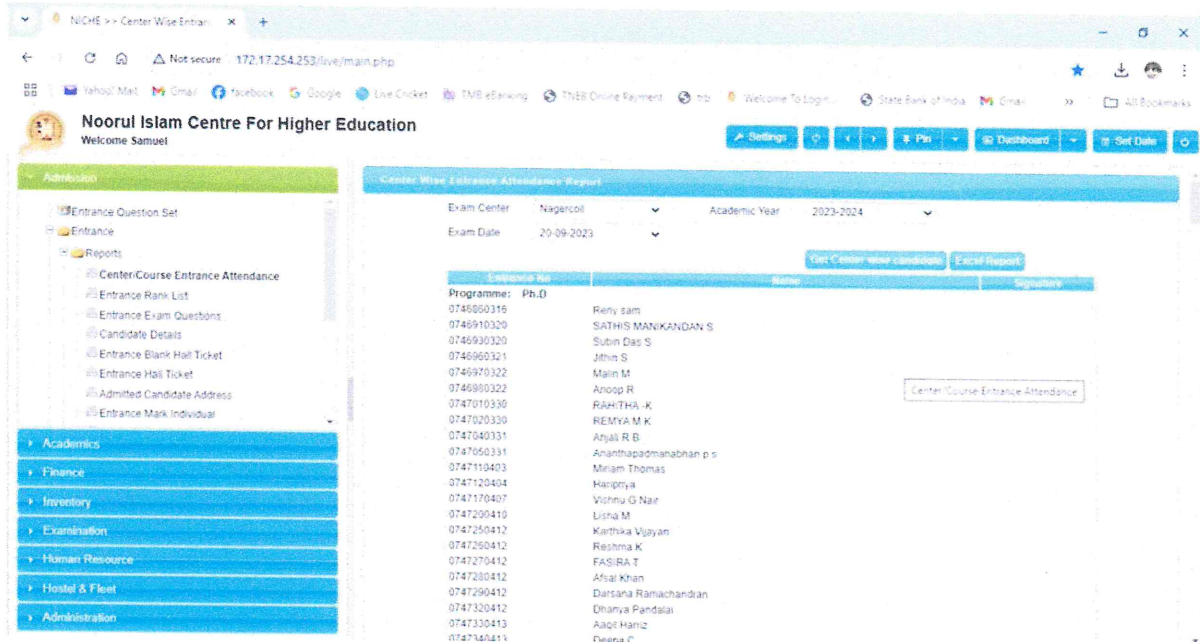


Figure 1.5 Entrance Attendance View

Entrance – Rank List

The Entrance Rank List feature allows users to generate and print course-wise rankings for students who have appeared in the online entrance examination, providing a clear and organized view of candidate performance by program.

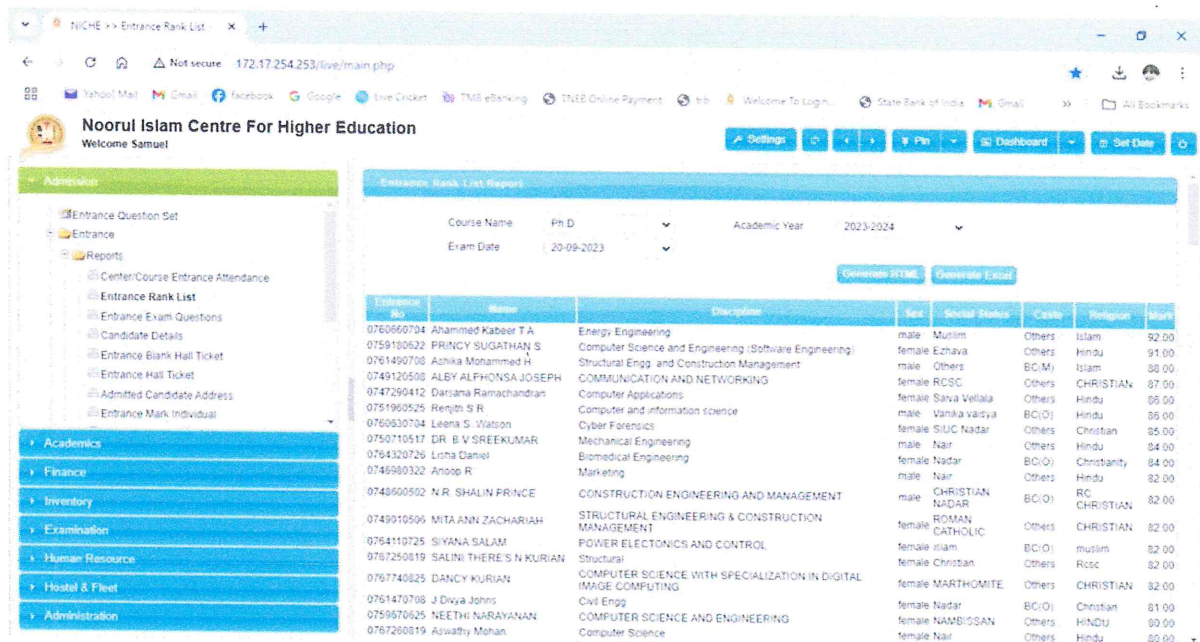


Figure 1.6 Entrance Rank list View

Candidate Details

The Candidate List feature provides a comprehensive view of all applicants who have applied to various courses, allowing users to access detailed information about each candidate in one organized interface. This feature is particularly useful for admissions staff and administrators, as it offers easy access to essential candidate details, supporting efficient application management and follow-up. Within the Candidate List, users can view each applicant's personal information, including name, contact details, and application ID, along with program-specific information such as the course applied for, eligibility status, and the application stage.

Course Wise Candidate:01

Entrance No.	Name	Sex	Exam Center
0110190415	Aninash S	male	
01103300722	Brto Joseph	male	
01103390722	Vignesh P S	male	
01103450723	Doni Jerose A	male	
01103490723	Amal Chavadi	male	
01103720724	Dinesh Kumar C	male	
01103730724	P Rishakesh	male	
01103830725	Sinaz S	male	
01103860726	Ananthanarayanan	male	
01103890726	Jerishen Minason	male	
01103920726	Joshua V S	male	
01104170730	Mohammed Shamil P K	male	
01104340731	Gayathri M R	female	
01104410731	Manokrishna	male	
01104660005	Nishalini R S	female	
01104760006	Thameemul Aalam S	male	
01104800006	Zahid Rahman Chukkan	male	
01105320008	Muhammad Shahul S	male	
01105330008	Keerthy S	female	
01105340008	Yadunandhanan G S	male	
01105380009	Akash T	male	
01105400010	Madhucharan	male	

Figure 1.7 Entrance Candidate Details View

Entrance Hall Ticket

The Entrance Hall Ticket feature provides users with the ability to view, generate, and download hall tickets in PDF format for candidates who have applied to various courses. This function is essential for ensuring that candidates have access to their personalized hall tickets, which contain crucial information

required to appear for the entrance examination. Each hall ticket includes key candidate details, such as name, application ID, examination date, time, and specific instructions to guide them on the day of the exam. By centralizing these details in one document, the hall ticket serves as an official pass for candidates, confirming their eligibility to participate in the entrance examination process.

The screenshot displays the 'Entrance Hall Ticket Request' form within the NICHE ERP system. The form is titled 'Entrance Hall Ticket Request' and includes the following fields:

- Course Name:
- Ph.D.:
- Center Code:
- Academic Year:
- Exam Date:

Below the form, there are two buttons: 'Generate HTML' and 'Generate PDF'. The sidebar menu on the left lists various modules: Academics, Finance, Inventory, Examination, Human Resource, Hostel & Fleet, and Administration. The top navigation bar shows the user is logged in as Samuel.

Figure 1.8 Entrance Hall Ticket

The screenshot displays a sample Entrance Hall Ticket (Admit Card) for the NICHEEE 2024-2025 examination. The card includes the following information:

- NICHE** Noorul Islam Centre For Higher Education (Deemed to be University under section 3 of UGC Act 1956) KUMARACOIL, THUCKALAY, K.K.DIST. PIN-629 180
- NICHEEE 2024-2025**
- Entrance Exam - 2024-2025 Admit Card**
- Register Number**: 0760990706
- Candidate's name & address**: Jain Suba. T. D., D/O Thanias T, 14_77c P.J. Castle Variyanvilal, Vazhuthoor North, Thengapattanam, Kanniyakumari, Tamil Nadu - PIN : 629169
- Programme applied for**: Ph.D.
- Specimen Signature of the Candidate**: [Signature]
- Exam Centre**: Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay
- User-ID**: 0760990706
- Password**: 9442825508
- Note**: For Any Clarification Contact : 9456856122
- DIRECTOR** Entrance Examinations
- Instructions to the candidate**

Figure 1.9 Sample Entrance Hall Ticket

Entrance – Settings- Entrance Exam Settings

The Entrance Exam Settings feature provides users with a dedicated configuration interface for setting up the date, time, and other essential details of the entrance examination. This feature allows administrators to customize and configure various aspects of the exam to ensure a smooth and organized testing process. Through the Entrance Exam Settings interface, users can specify critical information, such as the exam date, start time, duration, and any specific rules or guidelines that need to be communicated to candidates. This includes setting up the examination window, defining allowed breaks, and determining whether the exam will be conducted online or in-person.

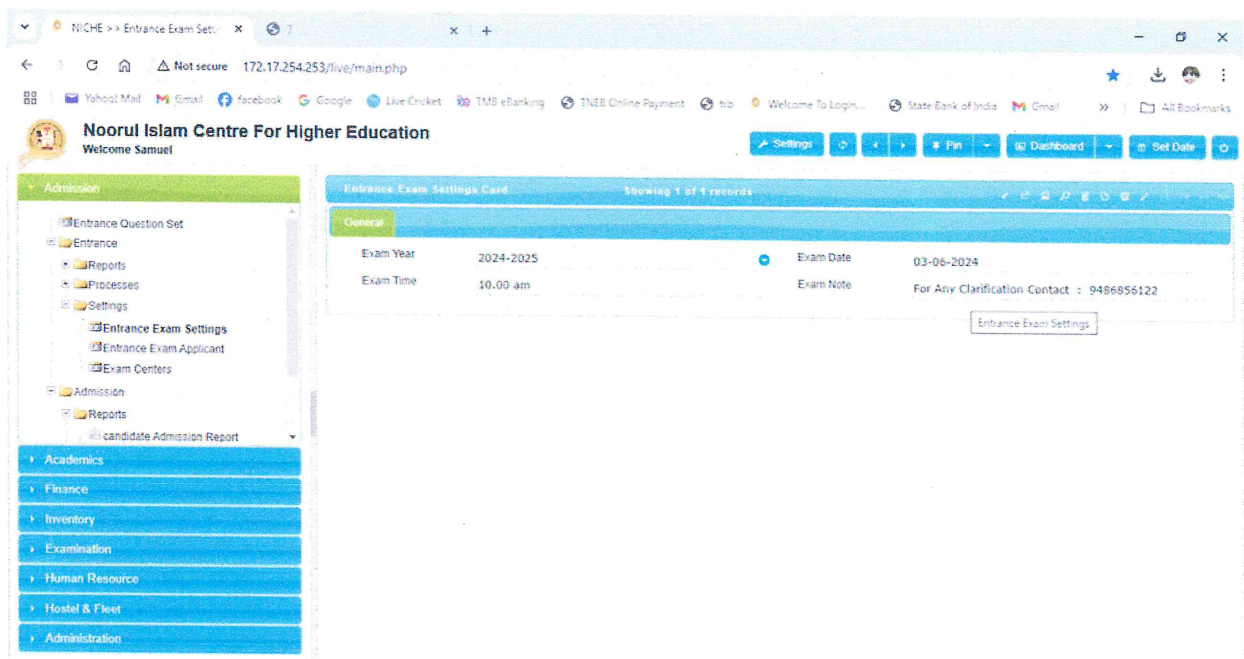


Figure 1.10 Entrance Exam Settings Interface

Entrance – Settings- Entrance Exam Applicant

The Entrance Exam Applicant Card View feature allows users to easily view and navigate through the details of entrance applications received for various courses. This feature presents each applicant's information in a well-organized

card format, making it simple for administrators to access key details at a glance. The card view displays essential candidate information such as name, application ID, program applied for, eligibility status, and the application's current stage. It provides an intuitive interface that allows users to quickly review and process applications, ensuring that no critical information is overlooked.

Administrators can efficiently navigate through the applicant cards, with the ability to click on each card to view more detailed information or make updates. This feature helps streamline the application review process by presenting all relevant data in a consolidated and easily accessible format, allowing for quick verification and decision-making. The card view is also equipped with search and filtering options, making it easier to find specific applications based on various criteria, such as program, application status, or eligibility. Overall, the Entrance Exam Applicant Card View enhances the efficiency of the application management process, providing a user-friendly interface for administrators to handle entrance exam applications effectively.

The screenshot displays the 'Entrance Exam Applicant Card' view in the NICHE ERP system. The interface is divided into a sidebar and a main content area. The sidebar on the left contains a tree view of the system's modules, including 'Entrance Question Set', 'Reports', 'Processes', 'Settings', 'Admission', and 'Academics'. The main content area shows a detailed form for a specific applicant. The form is titled 'Entrance Exam Applicant Card' and indicates that it is displaying 22,912 of 22,912 records. The form is organized into several sections: 'General', 'Communication', 'Qualification', 'Phone Details', 'Bank Details', 'Exam Details', and 'Online Details'. The 'General' section is currently active and displays the following information: Application No. 13113821104, Entrance No. 13113821104, Name Mairashibora A., Father Name Anto S., Guardian Name, Date of Birth 20-02-2007, Sex Female, Nationality, Age 0, Marital Status Un Married, and Social Status. A 'Photo' field is also present, showing a placeholder for a missing image. The top of the page features a navigation bar with the user's name 'Samuel' and the institution's name 'Noorul Islam Centre For Higher Education'. The browser's address bar shows the URL '172.17.254.253/live/main.php'.

Figure 1.11 Entrance Exam Applicant Details

Entrance Exam Applicant Address

The **Entrance Exam Applicant Address** feature allows users to view the address details of candidates who have applied for the entrance examination. This functionality provides a quick and organized way to access each applicant's residential or communication address, which can be crucial for future correspondence or verification. The address details are displayed alongside other candidate information, offering a comprehensive view of the applicant's profile.

In addition to viewing the address, the feature enables users to download the address details in a Word document format. This functionality is especially useful for administrators or admissions teams who may need to process or archive address information for further administrative tasks, such as mailing hall tickets, candidate communication, or record-keeping. By offering a downloadable format, this feature ensures that address information can be easily shared, stored, or printed as needed. It enhances the efficiency of the admissions and examination process by providing quick access to relevant candidate details and simplifying the handling of address data for follow-up actions. The **Entrance Exam Applicant Address** feature is designed to streamline administrative workflows and ensure that address information is readily available and manageable for further processing.

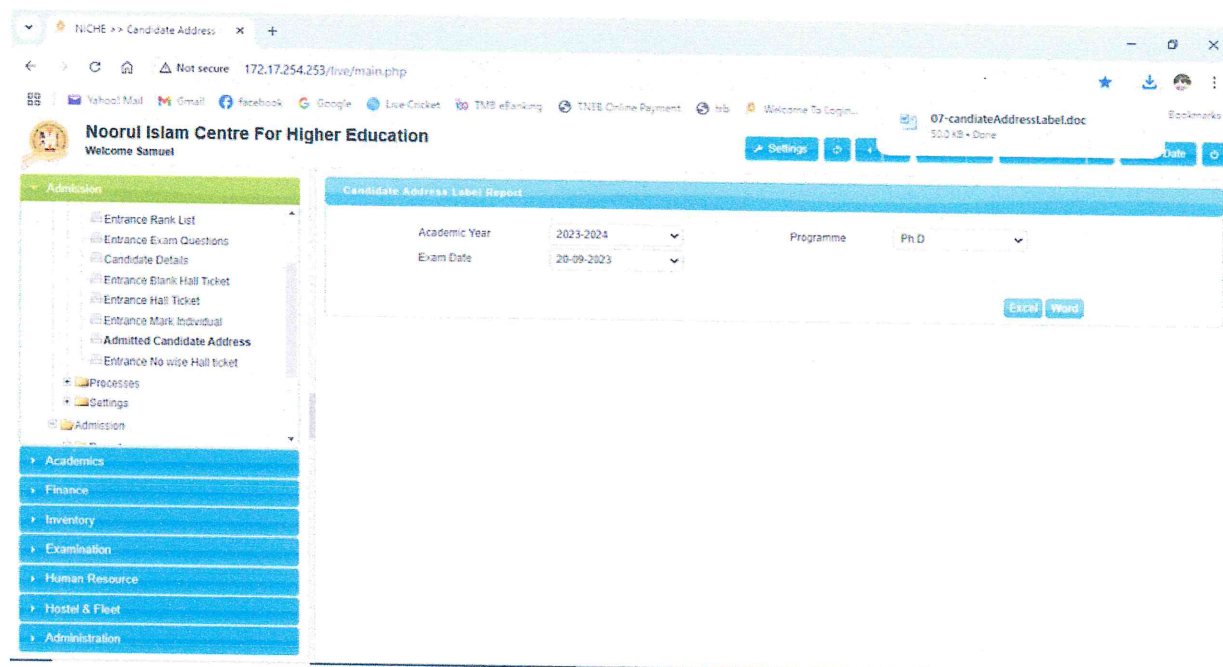


Figure 1.12 Entrance Exam Applicant Address View

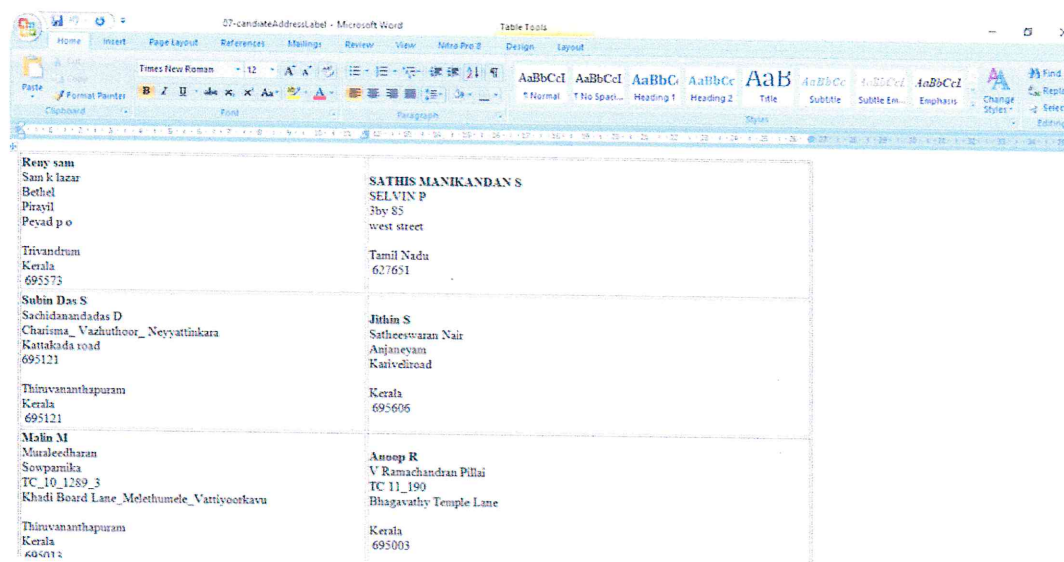


Figure 1.13 Sample Address View – Word File

Entrance Exam Candidate Login Page

The figure consists of three screenshots of the NICHE ERP Entrance Exam Candidate Login Page.

Screenshot 1: Login Page
The page title is "NOORUL ISLAM CENTRE FOR HIGHER EDUCATION - ONLINE ENTRANCE EXAM". It features a login form with the following elements:

- A "Login" button.
- A text input field labeled "User Name".
- A text input field labeled "Password".
- A "submit" button.

Screenshot 2: Welcome Page
The page title is "NOORUL ISLAM CENTRE FOR HIGHER EDUCATION". It displays the following text:

- "Welcome to NICHE Online Entrance Exam - 2024-2025"
- "You are requested to answer all of the 100 questions"
- "You have 120 minutes to complete the answer"
- "Your counter starts when you press the start button"
- "After the counter reaches 0 your questions will automatically be processed"

Below the text is a dropdown menu labeled "Select any discipline" and a "Start" button.

Screenshot 3: Question Page
The page title is "NOORUL ISLAM UNIVERSITY ONLINE ENTRANCE 2024-2025". It displays the following information:

- Question No. 1
- Question text: "What is the language used by most of the DBMSs for helping their users to access data"
- Four radio button options:
 - High level language
 - Query language
 - SQL
 - SQL
- Navigation buttons: "Prev", "Next", and "End & Process My Result".
- Copyright notice: "Copyright © NICHE".

Figure 1.14 Entrance Exam Candidate Login Page

The **Entrance Exam Candidate Login Page** allows candidates to securely log in to the system and begin their online examination. Once logged in, candidates are directed to an instruction page that outlines essential guidelines for the exam,

helping them understand the process and rules before they start. This page ensures that candidates are well-prepared and aware of the examination protocols, such as time limits, navigation rules, and submission requirements.

Following the instructions, candidates proceed to the exam interface, where multiple-choice questions (MCQs) are displayed sequentially. Each question appears one at a time, accompanied by navigation buttons that enable candidates to move forward or revisit previous questions.

Admission – Settings – Application Form

The Admission Application Form feature allows administrators to efficiently manage candidate data by importing information directly from the entrance exam table. Using this data, administrators can assign candidates to specific courses based on their qualifying examination results. This form streamlines the admission process by incorporating essential fee generation tools: the Generate Fee button calculates the required tuition fees for each candidate, while the Generate Hostel Fee button handles the calculation of hostel fees for those who require accommodation.

Once the candidate completes the fee payment, administrators can finalize their admission using the Convert to Student button, which seamlessly transfers the admitted candidate's information into the active student database. This process not only simplifies the transition from applicant to enrolled student but also ensures that all student records are accurate and up-to-date. With these integrated functionalities, the Admission Application Form supports a smooth and efficient admission workflow, from course assignment to active student enrollment.

The screenshot shows the 'Candidate Card' view in the NICHE ERP system. The sidebar on the left contains navigation links for 'Admission', 'Academics', 'Finance', 'Inventory', 'Examination', 'Human Resource', 'Hostel & Fleet', and 'Administration'. The main content area displays a 'Candidate Card' for Maria Shibora A. The card includes fields for Application No. (ap13113821104), Name (Maria Shibora A), Course Code (FS36), Course Name (B.Sc.), Discipline (Forensic Science), Date of Birth (20-02-2007), Sex, Status (CONVERTEDASSTUDENT), Calendar Year, Photo (No Image Available), Year of Apply (2024-2025), Nationality (Indian), Is lateral, and Academic Year (2024-2025). At the bottom of the card, there are buttons for 'Import Ent. Appln.', 'Generate Fee', 'Generate Hostel Fee', 'Candidate Verification', and 'Convert To Student'.

Figure 1.15 Admission – Settings – Application Form Card View

The screenshot shows the 'Candidate Card' view in the NICHE ERP system. The sidebar on the left contains navigation links for 'Admission', 'Academics', 'Finance', 'Inventory', 'Examination', 'Human Resource', 'Hostel & Fleet', and 'Administration'. The main content area displays a 'Candidate Card' for Anto Vinith Micheal Raj A. The card includes fields for Application No. (ap1018010149), Name (Anto Vinith Micheal Raj A), Course Code (ME2), Course Name (B.E.), Discipline (Mechanical Engineering), Date of Birth (28-09-1993), Sex, Status (FEESGENERATED), Calendar Year, Photo (No Image Available), Year of Apply (2011), Nationality (indian), Is lateral, and Academic Year (2011-2012). A red arrow points to the 'FEESGENERATED' status. At the bottom of the card, there are buttons for 'Import Ent. Appln.', 'Generate Fee', 'Generate Hostel Fee', 'Candidate Verification', and 'Convert To Student'.

Figure 1.16 Admission – Application Form Card View – Fee Generated

Candidate Card Showing 14590 of 14590 records

General Personal Details Qualification Hostel & Fee Con.

Application No. ap13113821104 Photo

Name Maria Shibora A

Course Code FS36

Course Name B.Sc.

Discipline Forensic Science

Date of Brith 20-02-2007

Sex

Status CONVERTEDASSTUDENT

Calendar Year

Year of Apply * 2024-2025

Nationality Indian

Is lateral

Academic Year 2024-2025

Import Ent. Appln. Generate Fee Generate Hostel Fee Candidate Verification Convert To Student

Figure 1.17– Application Form Card View – Converted to Students

Daily Admission Report

The Daily Admission Report feature provides users with a detailed, date-wise view of candidates who have been admitted, offering an organized way to track admissions on a daily basis. This report includes essential information about each candidate's admission date and program, enabling administrators to monitor admission trends over time. By providing daily updates, this feature allows admissions staff to quickly access current admission statistics, aiding in data-driven decision-making and strategic planning.

In addition to viewing individual candidate details, the Daily Admission Report also serves as a valuable tool for generating insights into the institution's overall admission progress. This functionality is particularly useful for management, as it provides a clear overview of daily admissions and highlights enrollment patterns. The report can be used to identify peak admission periods, compare year-over-year trends, and assess the effectiveness of recruitment strategies. Overall, the

Daily Admission Report feature enhances admissions management by offering a straightforward, data-focused perspective on enrollment activities, supporting effective tracking and planning.

Noorul Islam Centre For Higher Education
Welcome Admin

Settings | Dashboard | Set Date

Daily Admission Report

Work Date: 08-07-2024

HTML | WORD

NICHE
Noorul Islam Centre For Higher Education
(Deemed to be University under section 3 of UGC Act 1956)
Kumaracoli, Thuckalay, K.K.Dist. Pin-629 180.

Daily Admission List Date: 08-07-2024

Sl No	Name	Course	Tot Amount	Tuition Fee (Invoice No)	Tuition Fee Rate	Hostel/SD Amount	Hostel Fee (No)	Hostel Fee Rate	Balance Amount
1	Syamra O	B.E. Auto Space Engineering	94000.00		10000.00	0.00			84000.00
2	Maria Vinil M	MSA Business Administration	92000.00		1000.00	0.00		0.00	91000.00
Total			186000.00		11000.00				175000.00

Figure 1.18 Daily Admission Report

2. NICHE ERP - Academics Module

The Academics module provides a comprehensive overview of all academic-related activities within an institution. It enables users to manage and monitor key components such as staff, students, subjects, attendance, and grades. This module allows for seamless tracking of student performance, scheduling of classes, and management of attendance records. Additionally, it facilitates the assignment of subjects to faculty and enables the recording and analysis of academic data. By centralizing all academic processes, the module ensures efficient management of educational operations, offering easy access to real-time information for administrators, teachers, and students.

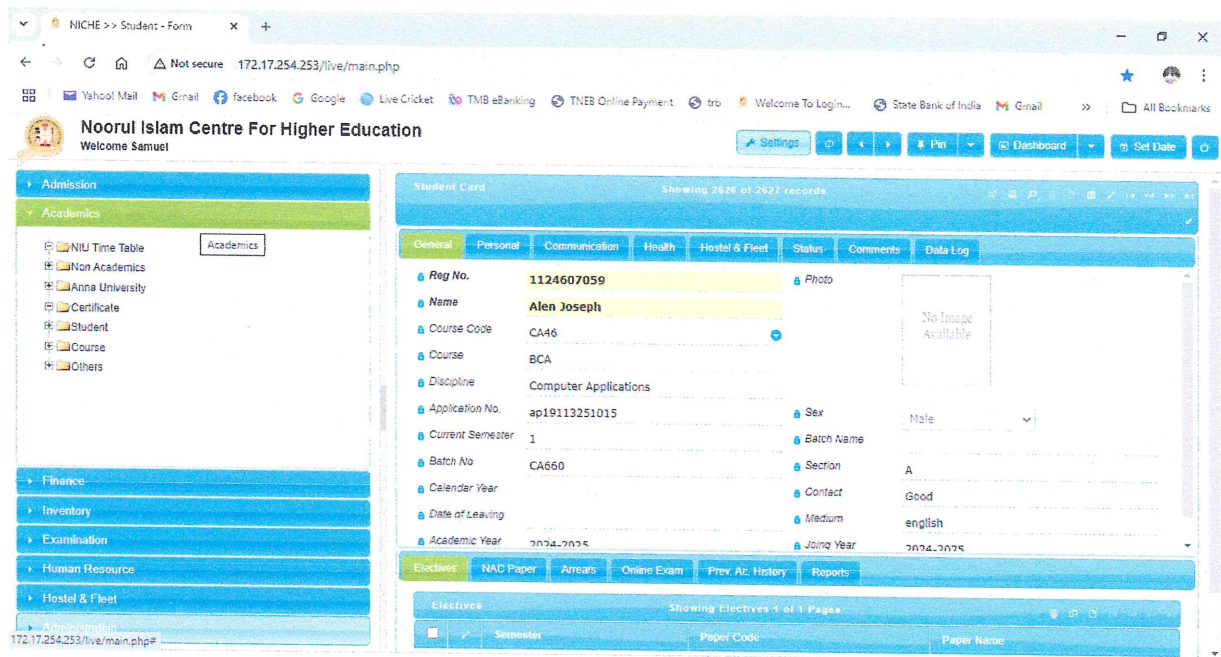


Figure 2.1 Academic Module Interface

Academics – NICHE Time Table- Time table View

The "Timetable" interface is used to view the scheduled class hours along with the associated subjects. It provides a detailed overview of the academic schedule, helping students and staff easily access information about class timings, subjects, and room assignments for each day of the semester.

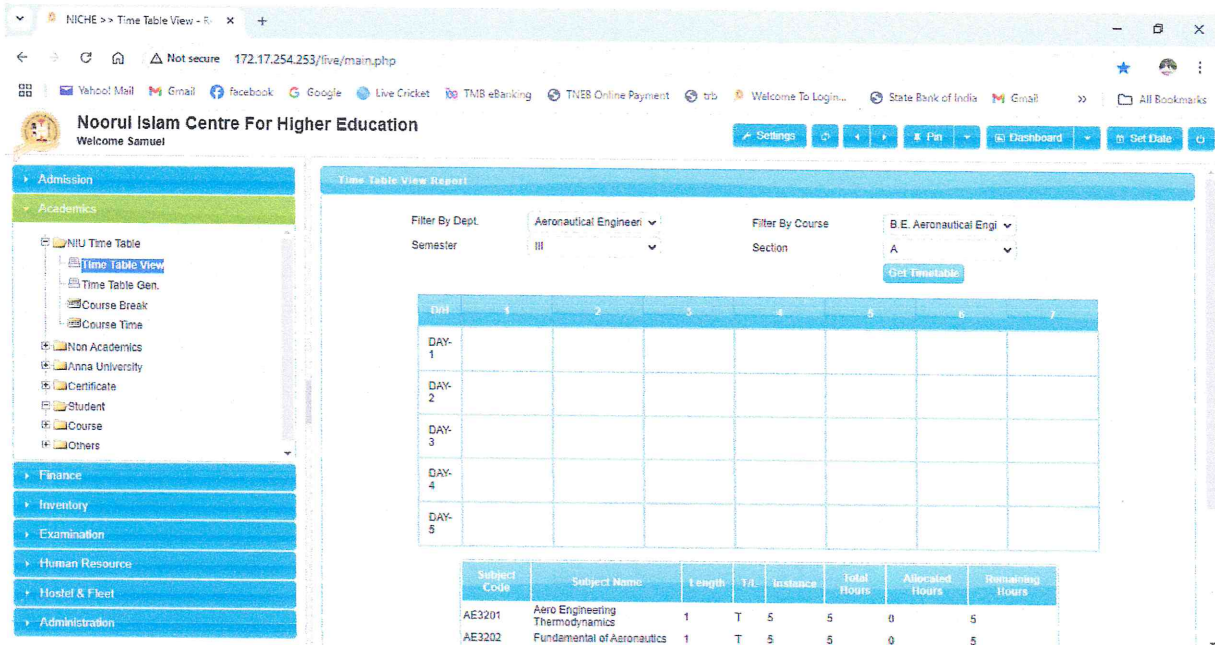


Figure 2.2 NICHE Time table View Interface

Academics – NICHE Time Table- Time Table Gen.

The "Timetable Gen" interface is used to generate timetables for respective classes by assigning subjects and staff members. This feature allows administrators to create customized schedules by linking specific subjects with the appropriate faculty, ensuring that each class is properly staffed. It automates the process of timetable creation, considering factors such as subject availability, faculty expertise, and classroom resources. By using this tool, institutions can streamline the scheduling process, ensuring efficient allocation of teaching hours and resources across various departments. This helps maintain organized, conflict-free schedules for both students and staff throughout the academic term.

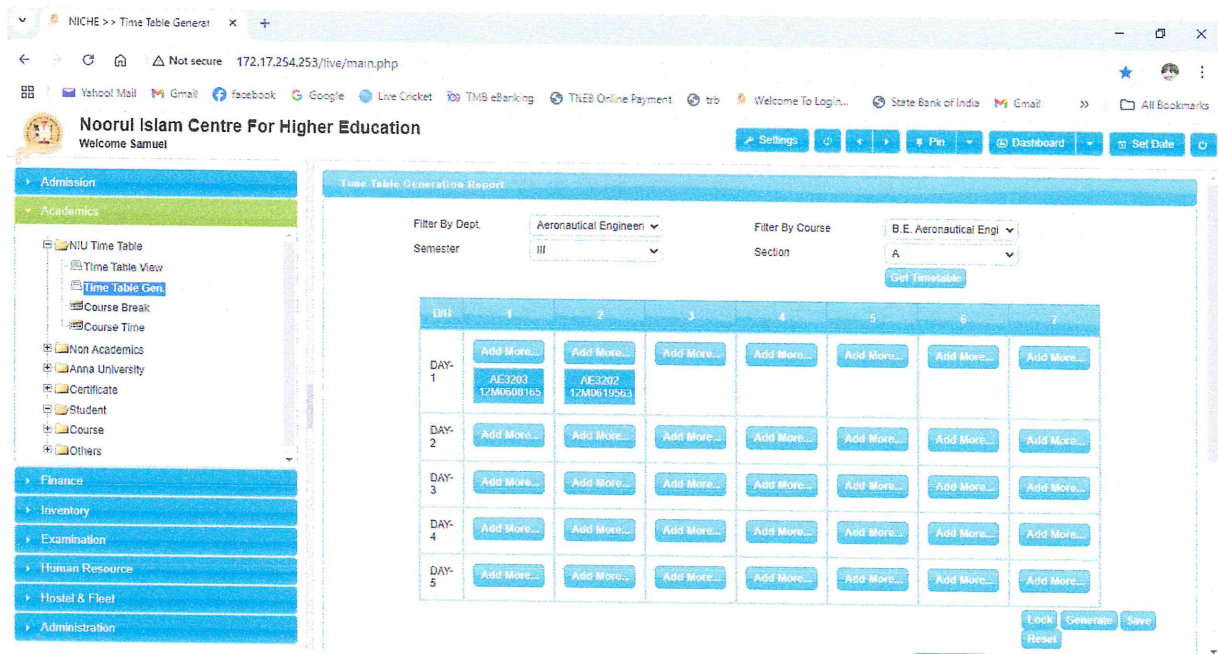


Figure 2.3 Time Table Generation Interface

Academics - Certificates

Course Wise TC Generation

The **Course Wise TC Generation** interface is used to generate Transfer Certificates (TC) for students who have completed a particular course. This interface allows administrators to easily generate and issue TC documents for students who have successfully finished the course requirements. It streamlines the process by organizing students based on the course they have completed, ensuring that the TC is accurately prepared with the relevant details. The interface simplifies record-keeping and ensures that transfer certificates are issued efficiently and in compliance with institutional policies, providing a seamless process for both students and administrators.

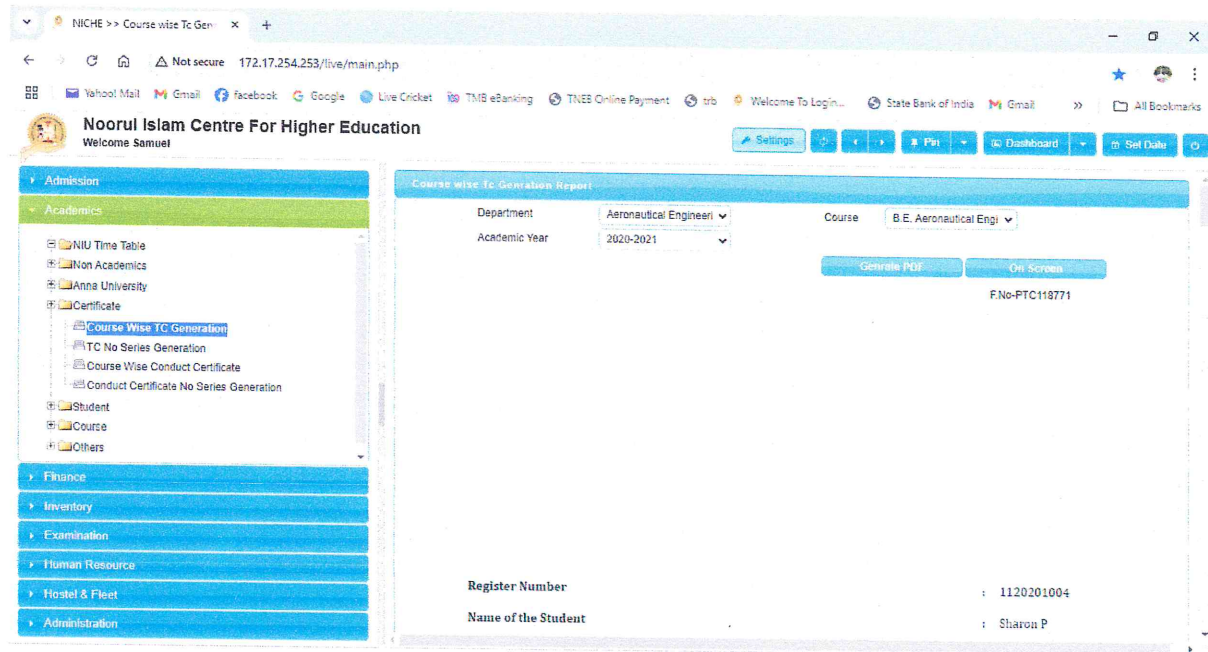


Figure 2.4 Course Wise TC Generation Interface

TC No Series Generation

The **TC No Series Generation** interface is used to create a sequential number series for folio numbers assigned to each certificate issued. This interface automatically generates unique numbers for each Transfer Certificate (TC) or other certificates, ensuring proper documentation and tracking. By generating a consistent series, it helps maintain an organized record system, preventing duplication and facilitating easy retrieval. The interface streamlines the process of assigning folio numbers, ensuring accuracy and efficiency in certificate management. This feature is essential for institutions to maintain clear, traceable records of all certificates issued to students.

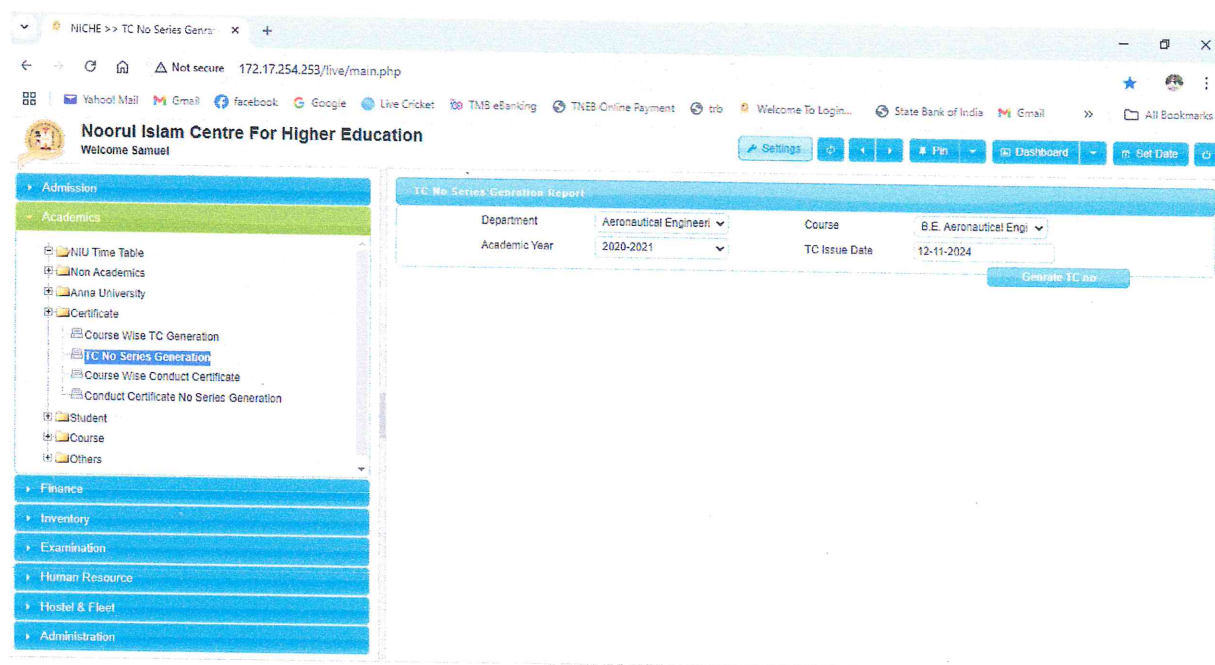


Figure 2.5 TC No Series Generation Interface

Course wise Conduct Certificate

The **Course Wise Conduct Certificate** interface is used to generate a conduct certificate for students, categorized by department, upon the completion of their course. This interface allows administrators to issue conduct certificates based on the student's performance and behavior during the course, ensuring that each certificate is generated accurately for the relevant department. It streamlines the process of generating conduct certificates, providing a structured and organized approach to record a student's conduct upon completing their studies.

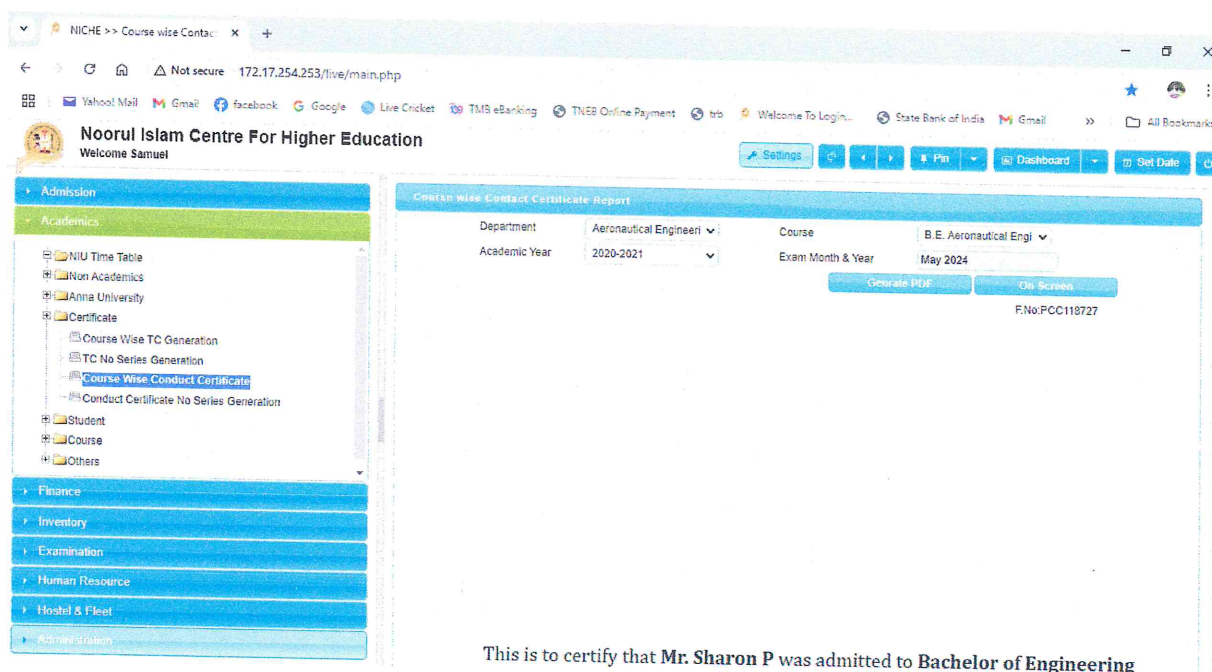


Figure 2.6 Course wise Conduct Certificate Generation Interface

Conduct Certificate No Series Generation

The **Conduct Certificate No Series** Generation interface is used to create a sequential number series for conduct certificates issued to students who have completed their course. This interface automatically generates unique numbers for each certificate, ensuring proper tracking and documentation. By maintaining a structured number series, it helps prevent duplication and ensures efficient record-keeping for all conduct certificates issued to students.

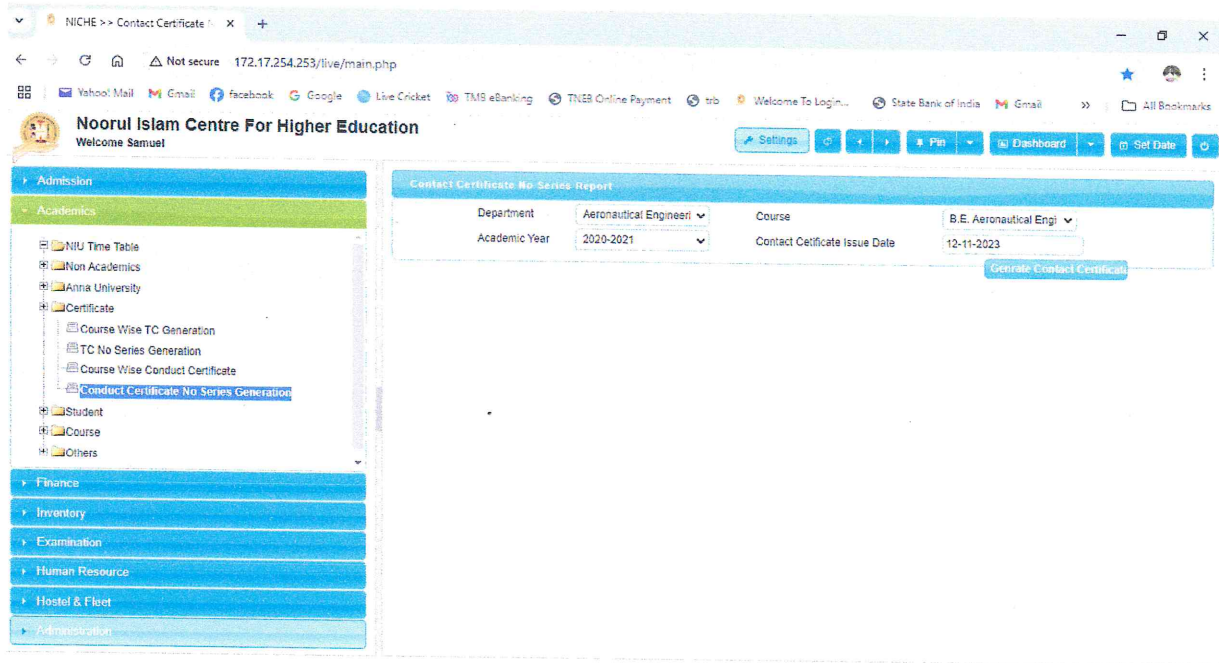


Figure 2.7 Conduct Certificate No Series Generation Interface

Academics - Active Student Profile

The Active Student Profile module allows users to access comprehensive personal and academic information of all currently enrolled students. It provides a detailed overview of each student's general and personal details, along with their elective and NAC papers. The module also displays crucial academic data, such as a list of arrears, attendance records, fee details, and internal and external exam results. This feature ensures that all relevant information is easily accessible for every student, offering a complete snapshot of their academic progress and administrative status.

Active Student Profile- General Information

The "General" tab in the Active Student Profile displays the student's general information.

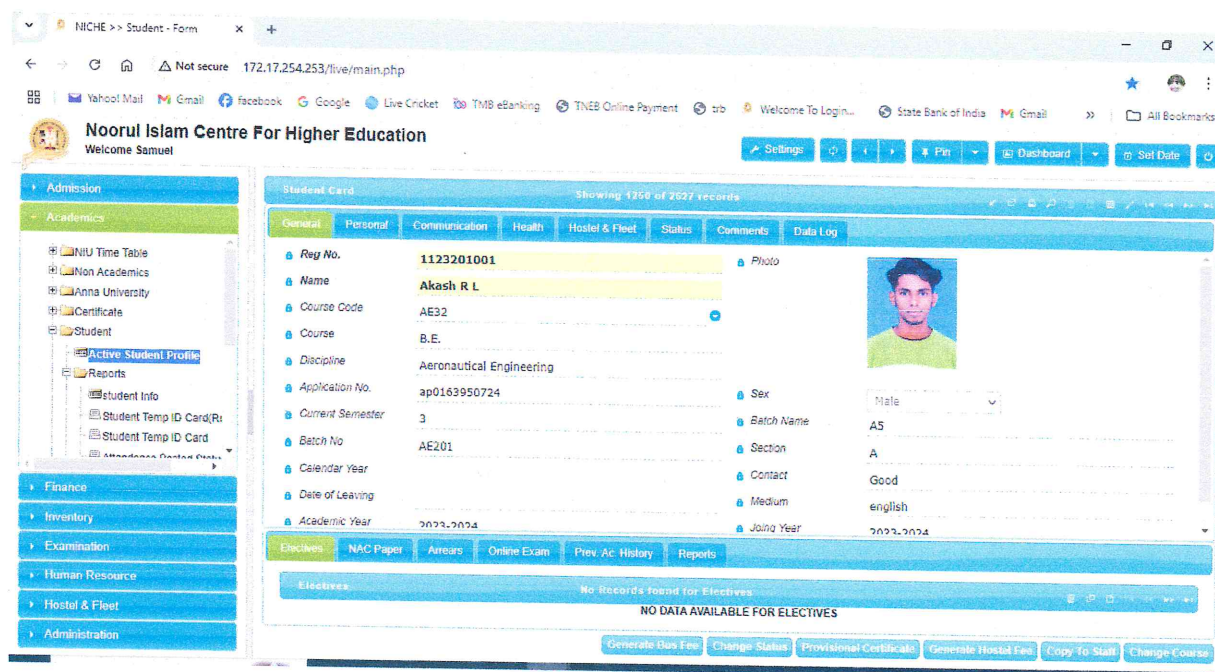


Figure 2.7 Active Student Profile- General Information

Active Student Profile- Personal Information

The "Personal" tab in the Active Student Profile displays the student's personal information, including parents' names, DOB, Caste, Community, Religion etc. .

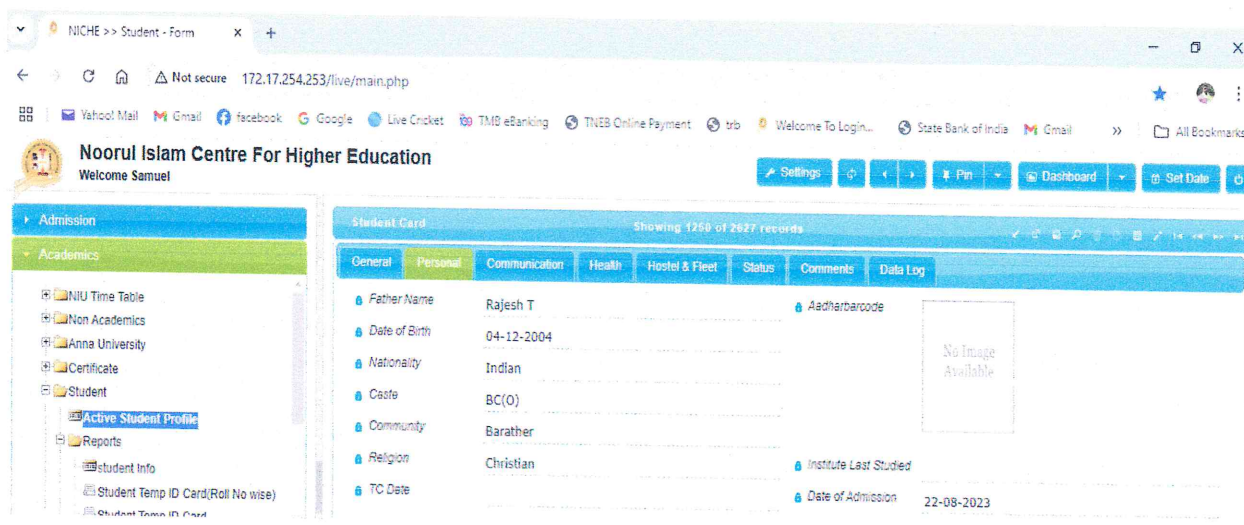


Figure 2.8 Active Student Profile- Personal Information

Active Student Profile- Communication

The "Communication" tab in the Active Student Profile displays the student's present and permanent address.

The screenshot shows the NICHE ERP system interface. The left sidebar contains a navigation menu with categories like Admission, Academics, Finance, and Inventory. The 'Active Student Profile' is selected under Academics. The main content area shows the 'Communication' tab of the student's profile. The student's name is Samuel. The profile displays various personal and contact details, including addresses, mobile number, email, and Aadhar number.

Figure 2.9 Active Student Profile- Communication

Active Student Profile- Electives

The "Elective" tab in the Active Student Profile lists the elective subjects chosen by the student.

The screenshot shows the NICHE ERP system interface. The left sidebar contains a navigation menu with categories like Admission, Academics, Finance, and Inventory. The 'Active Student Profile' is selected under Academics. The main content area shows the 'Electives' tab of the student's profile. The student's name is Abi Britto S. The profile displays various personal and contact details, including addresses, mobile number, email, and Aadhar number. A white arrow points to the 'Electives' tab.

Figure 2.10 Active Student Profile- Elective Papers List

Active Student Profile- NAC Paper

The "NAC Paper" tab in the Active Student Profile lists the NAC studied by the student.

The screenshot shows the NICHE ERP system interface. The left sidebar contains a navigation menu with categories like Admission, Academics, Finance, Inventory, Examination, Human Resource, Hostel & Fleet, and Administration. The main content area displays the 'Active Student Profile' for a student named Abi Britto S. The 'NAC Paper' tab is selected, showing a table of Non-Academic Papers. The table has columns for Semester, Paper Code, and Paper Name. Two papers are listed: ESP3201 (Employability Skill Phase - I) for Semester 3, and ESP3202 (Employability Skill Phase - II) for Semester 4. A white arrow points to the 'NAC Paper' tab.

Semester	Paper Code	Paper Name
3	ESP3201	Employability Skill Phase - I
4	ESP3202	Employability Skill Phase - II

Figure 2.11 Active Student Profile- Non Academic Papers

Active Student Profile-Arrears

The "Arrear" tab displays the list of arrears associated with the student.

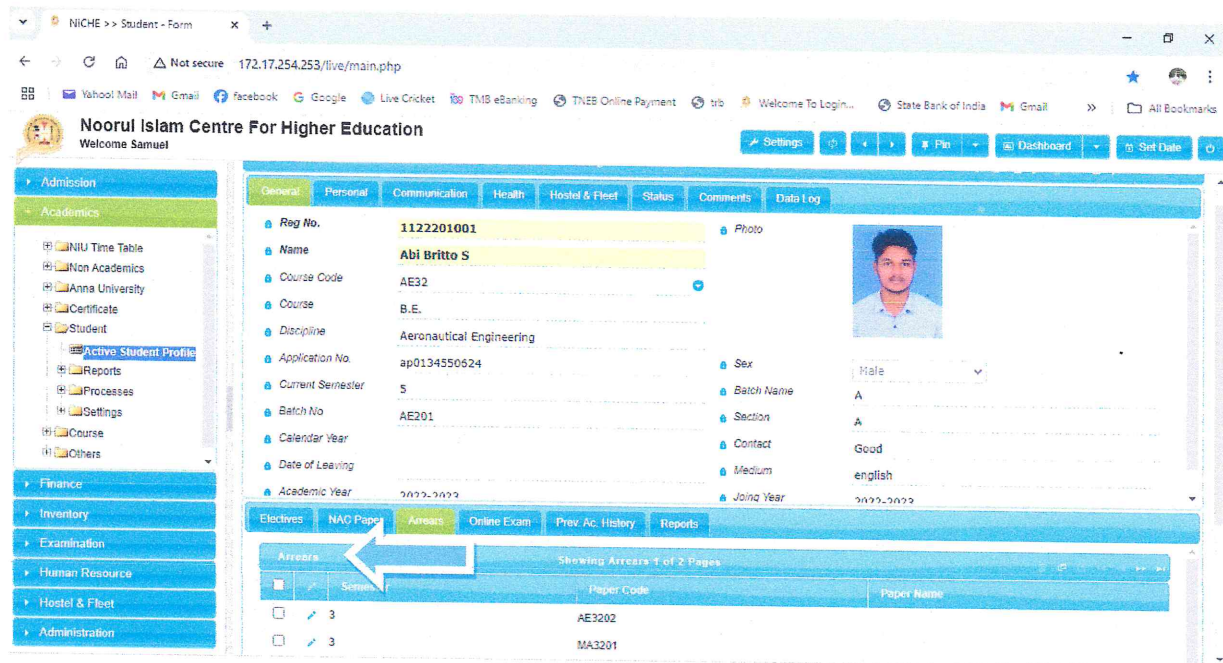


Figure 2.12 Active Student Profile-Arrears

Active Student Profile-Reports

The "Reports" tab displays information such as attendance, fees, series test results, and exam scores.

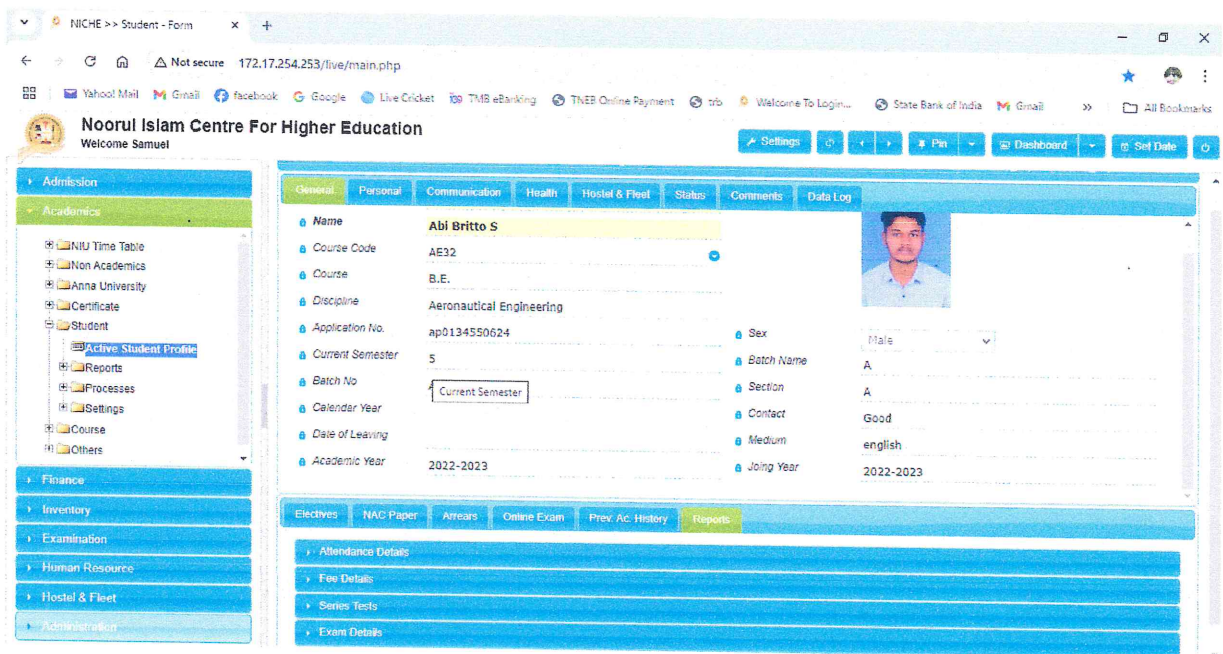


Figure 2.13 Active Student Profile-Reports

Active Student Profile- Attendance Details

The attendance report provides details on the student's attendance, including the total class hours, hours attended, and the attendance percentage.

The screenshot displays the 'Active Student Profile' page for a student named Abi Britto S. The page is divided into several sections:

- Left Sidebar:** Contains navigation links for Admission, Academics (with sub-links for NIJU Time Table, Non Academics, Anna University, Certificate, Student, Reports, Processes, Settings, Course, and Others), Finance, Inventory, Examination, Human Resource, Hostel & Fleet, and Administration.
- Student Information:**
 - Reg No.: 1122201001
 - Name: Abi Britto S
 - Course Code: AE32
 - Course: B.E.
 - Discipline: Aeronautical Engineering
 - Application No.: ap0134550624
 - Current Semester: 5
 - Batch No: AE201
 - Calendar Year: 2022-2023
 - Date of Leaving: (blank)
 - Academic Year: 2022-2023
- Personal Details:**
 - Photo: (Student Photo)
 - Sex: Male
 - Batch Name: A
 - Section: A
 - Contact: Good
 - Medium: english
 - Joining Year: 2022-2023
- Attendance Details:**
 - Showing Semester: 5
 - 87% (Total Hours) / 13% (Hours Attended)
 - Total Hours: 534 hour(s)
 - Hours Attended: 466 hour(s)
 - Overall Percentage: 87%

Figure 2.14 Active Student Profile- Attendance Details

Active Student Profile- Fee Details

The "Fee Details" tab displays the total fees, the amount paid, and the outstanding balance.

Noorul Islam Centre For Higher Education
Welcome Samuel

Student Details:

- Reg No.: 1122201001
- Name: Abi Britto S
- Course Code: AE32
- Course: B.E.
- Discipline: Aeronautical Engineering
- Application No.: ap0134550624
- Current Semester: 5
- Batch No: AE201
- Calendar Year: 2022-2023
- Date of Leaving: 2022-2023
- Academic Year: 2022-2023

Fee Log Table:

Date	Type	Description	Amount	Status
25-08-2022	TERM FEE	Tuition Fee	10000.00	OPEN
25-08-2022	TERM FEE	Tuition Fee	-10000.00	OPEN
12-09-2022	TERM FEE	Tuition Fee	-15000.00	OPEN
01-02-2023	TERM FEE	Tuition Fee	-10000.00	OPEN
13-02-2023	TERM FEE	Tuition Fee	-5000.00	OPEN
14-02-2023	TERM FEE	Tuition Fee	-9977.00	OPEN

Figure 2.15 Active Student Profile- Fee Details

Active Student Profile- Series Test

The "Series Test" tab allows users to view the internal marks obtained in the series tests for the current and previous semesters.

Noorul Islam Centre For Higher Education
Welcome Samuel

Student Details:

- Name: Abi Britto S
- Course Code: AE32
- Course: B.E.
- Discipline: Aeronautical Engineering
- Application No.: ap0134550624
- Current Semester: 5
- Batch No: AE201
- Calendar Year: 2022-2023
- Date of Leaving: 2022-2023
- Academic Year: 2022-2023

Series Tests Table:

Subject Code	Subject Name	Serial Test 1	Serial Test 2	Serial Test 3	Attendance Mark	Attendance Percentage
AE3209	Aircraft Composite Materials and Structures	30.00	51.00	--	--	--
AE3210	Air Breathing Propulsion	26.00	6.00	--	--	--
AE3211	High Speed Aerodynamics	18.00	56.00	--	--	--
AE3212	Flight Dynamics	35.00	57.00	--	--	--
AE3276	Part Design and Assembly Laboratory	--	--	--	--	--
AE3277	UAVs Aero modeling Laboratory	--	--	--	--	--
AE3278	Airframe & Composite Materials Laboratory	--	--	--	--	--

Figure 2.16 Active Student Profile- Internal Mark Details

Active Student Profile- Exam Details

The "Exam Details" section displays the student's university results for completed semesters.

The screenshot shows the NICHE ERP system interface. The left sidebar contains a navigation menu with categories like Admission, Academics, Finance, Inventory, Examination, Human Resource, Hostel & Fleet, and Administration. The 'Academics' section is expanded, showing options like NIU Time Table, Non Academics, Anna University, Certificate, Student, Active Student Profile, Reports, Processes, Settings, Course, and Others. The 'Active Student Profile' is selected, displaying student information for Abin Sento M. The 'Exam Details' section is visible, showing a table of exam results for the current semester (4).

Subject Code	Internal	External	Total	Grade	Result
BS3201	15	47	62	C	P
CS3204	14	56	70	C	P
CS3205	17	14	31	R	RA
CS3206	21	46	67	C	P
CS3207	17	56	73	B	P

Figure 2.17 Active Student Profile- University Exam Result

Academics – Student- Reports

Reports - Student Temp ID Card

The "Student Temp ID Card" in the Reports menu is used to generate temporary ID cards for students.

The screenshot shows the NICHE ERP system interface. The left sidebar contains a navigation menu with categories like Admission, Academics, Finance, Inventory, Examination, Human Resource, Hostel & Fleet, and Administration. The 'Academics' section is expanded, showing options like Student, Active Student Profile, Reports, Student Info, Student Temp ID Card (Roll No wise), Student Temp ID Card, Attendance Posted Status, Attendance Posted Status All, Attendance Report, Series Test, Student Address Label, and Overall Attendance Percentage. The 'Student Temp ID Card' is selected, displaying the 'Student Temp ID Card Report' interface. The interface includes filters for Department (Aeronautical Engineering) and Semester (III), and a 'Generate PDF' button.

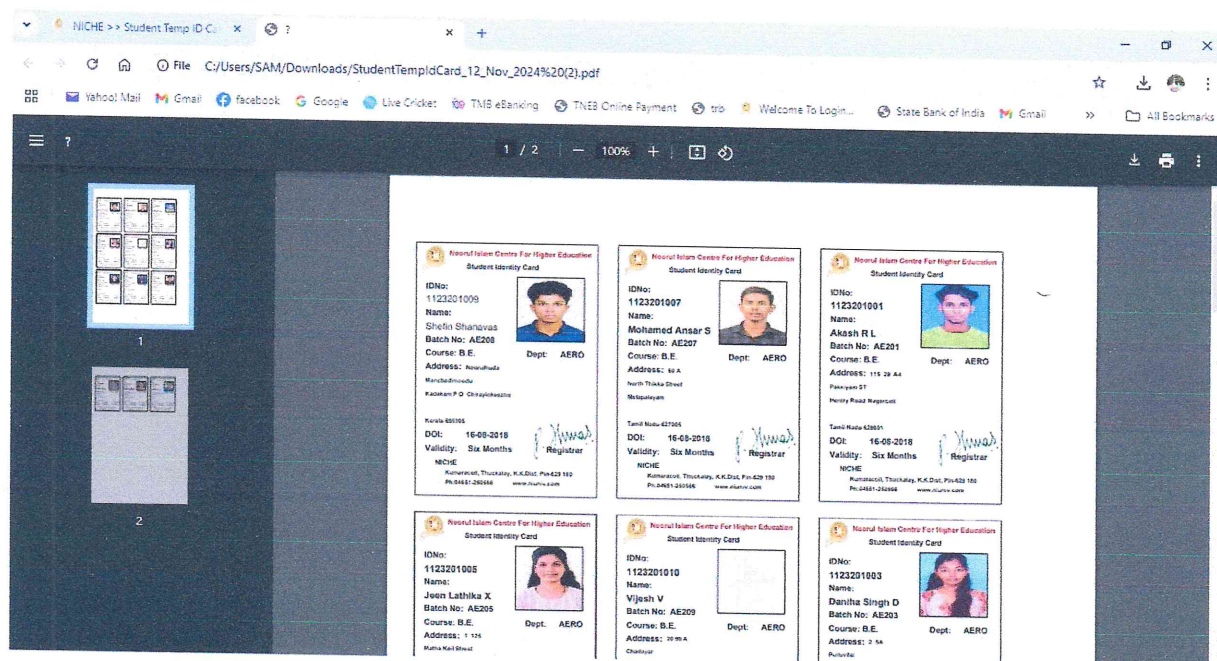


Figure 2.18 Student Temp ID Card

Reports - Attendance Posted Status

The "Attendance Posted Status" tab is used to view the attendance posting status for the class.

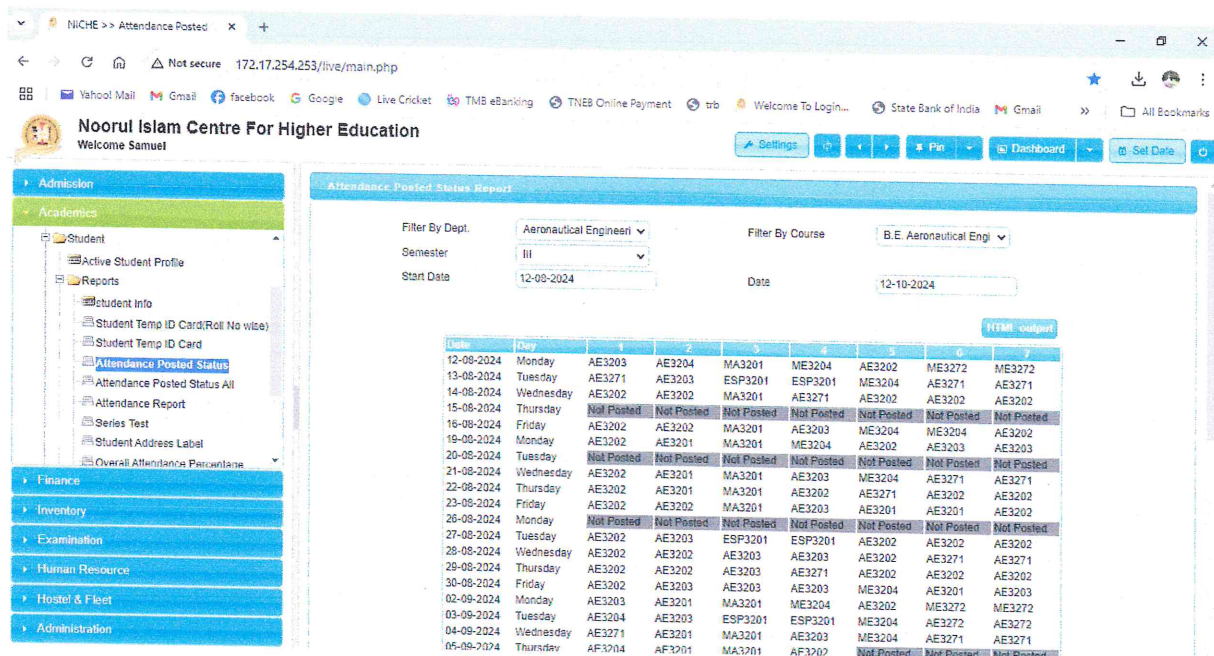


Figure 2.19 Attendance Posted Status

Attendance Report

The Attendance Report is used to view the attendance details and percentage of students in a class within a specified date range.

The screenshot displays the NICHE ERP system interface. The top navigation bar includes links for Admission, Academics, Finance, Inventory, Examination, Human Resource, Hostel & Fleet, and Administration. The Academics section is expanded, showing options like Student, Active Student Profile, Reports, Student Info, Student Temp ID Card, Attendance Posted Status, Attendance Posted Status All, Attendance Report, Series Test, Student Address Label, and Overall Attendance Percentage. The Attendance Report is selected, leading to the 'Attendance View Report Report' form. This form allows filtering by Department (Aeronautical Engineering), Course (B.E. Aeronautical Engi), Semester (III), High Light (checkbox), From Date (01-07-2024), and To Date (30-07-2024). A 'Word output' button is present.

Below the form, the generated attendance statement is shown in a Microsoft Word document. The document header includes the institution name, declaration, address, and course details. The main content is a table titled 'Attendance Statement up to:30-07-2024'.

Reg No.	Batch No	Name	Total Periods	Total Attended	No. Hrs. Absent	%
1123201001	AE201	Akash R L	49	47	2	95.92
1123201002	AE202	Akshay G	49	45	4	91.84
1123201003	AE203	Daniha Singh D	49	47	2	95.92
1123201004	AE204	Harini S	49	47	2	95.92
1123201005	AE205	Jeen Lathika X	49	47	2	95.92
1123201006	AE206	Meenu V M	49	47	2	95.92
1123201007	AE207	Mohamed Ansar S	49	47	2	95.92
1123201009	AE208	Shefin Shanavas	49	47	2	95.92
1123201010	AE209	Vijesh V	49	27	22	55.1
1123201011	AE210	Riyas T H	49	47	2	95.92
1123201012	AE211	Sreelekshmi S B	49	47	2	95.92
1123201013	AE212	Ashlin J Lal	49	47	2	95.92

Figure 2.20 Attendance Report

Reports – Series Test

The "Series Test" option provides the internal report for students, including series test marks, attendance marks, and the calculated internal marks for completed semesters.

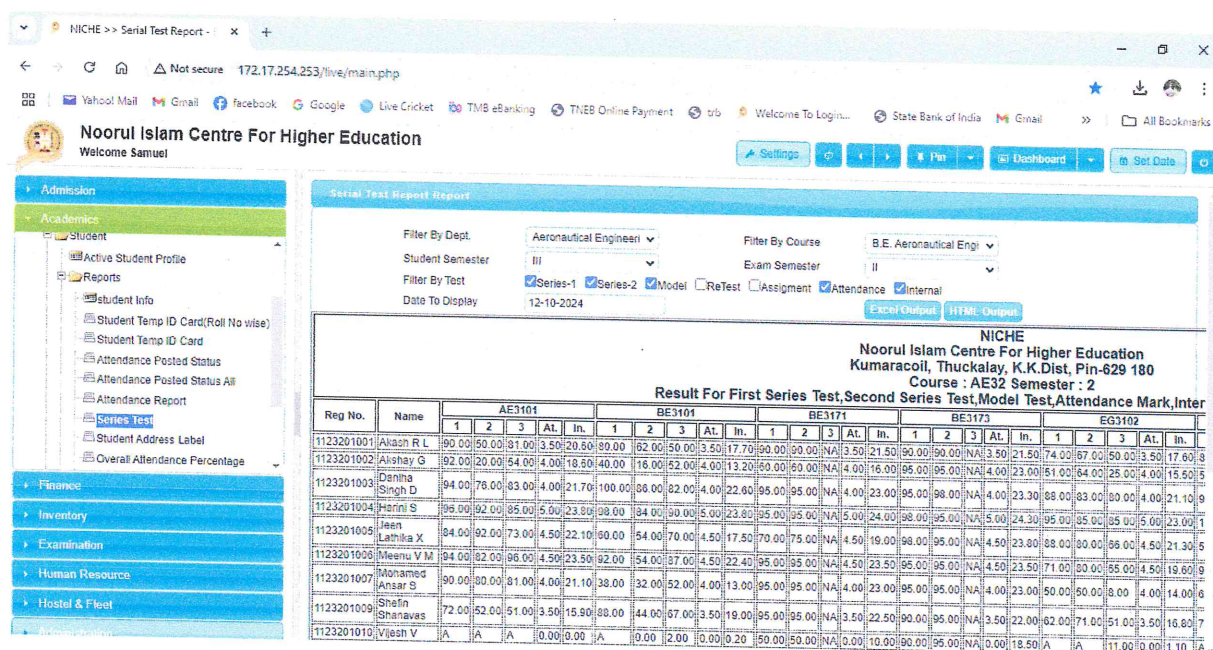


Figure 2.21 - Series Test View Report

Students – Process – Elective paper allocation

The Elective Paper Allocation interface is used to assign the elective papers selected by the students in the class.

The screenshot shows the 'Student Elective Paper Allocation Report' interface. The left sidebar contains a navigation menu with categories like Admission, Academics, Finance, Inventory, Examination, Human Resource, and Administration. The main content area has filters for Department (Aeronautical Engineer), Student Semester (VII), Course (B.E. Aeronautical Engi), and Paper Semester (VII). A table displays a list of students with columns for Reg No., Name, and Course Code. The table shows 11 students, all enrolled in AE32 - B.E. Aeronautical Engineering.

Reg No.	Name	Course Code
1121201001	Adithya Krishna S.R	AE32 - B.E. Aeronautical Engineering
1121201002	Ameena Fathima S	AE32 - B.E. Aeronautical Engineering
1121201003	Anto Stanley S J	AE32 - B.E. Aeronautical Engineering
1121201004	Ashwin Aneesh	AE32 - B.E. Aeronautical Engineering
1121201005	Ashutosh Kumar Jha	AE32 - B.E. Aeronautical Engineering
1121201006	Bensod Munral Ordhan	AE32 - B.E. Aeronautical Engineering
1121201007	Chavhan Rohan Ramesh	AE32 - B.E. Aeronautical Engineering
1121201008	Mohammed Naahid Hussain	AE32 - B.E. Aeronautical Engineering
1121201010	Sanjay S	AE32 - B.E. Aeronautical Engineering
1121201011	Swasthy, S	AE32 - B.E. Aeronautical Engineering

Figure 2.22 Elective paper allocation

Students – Process – Staff Attendance Entry – Theory

The "Staff Attendance Entry – Theory" is used by the respective faculty in post the attendance of students for each class session.

The screenshot shows the 'Staff Attendance Entry - Theory' interface. The left sidebar contains a navigation menu with categories like Academics, Student, Processes, and Others. The main content area has filters for Paper (CS3617-Internet of Thi), Year (3), Hour (V), Section (A-Section), Course (B.Sc.(SE36)), Semester (5), and Date (2-11-2024). A table displays a list of students with columns for Roll No., Reg No., and Name. The table shows 14 students, all enrolled in B.Sc.(SE36).

Roll No.	Reg No.	Name
CS601	1122621001	Abhinav V
CS602	1122621002	Abinash J
CS603	1122621005	Abish S
CS604	1122621007	Abishek M
CS605	1122621010	Arun Jedy A
CS606	1122621011	Aswini P
CS607	1122621012	Branesh N R
CS608	1122621013	Hanse S M
CS609	1122621017	R Siva Raja Heamenth
CS610	1122621018	Rohan M
CS611	1122621019	Sabitha N
CS612	1122621020	Sajin S
CS613	1122621021	Sakthi S P
CS614	1122621022	Santhosh K S

Figure 2.23 Staff Attendance Entry – Theory

Students – Process – Jobs - Serial Mark Consolidation Batch

The "Serial Mark Consolidated Batch" is used to calculate the internal marks for students in a class, subject-wise, based on series test marks and attendance marks.

Serial Marks Posting Report

Filter By Dept: Aeronautical Engineer
 Student Semester: III
 Subject: EG3192-Communicati
 Student Status: ACTIVE

Filter By Course: B.E. Aeronautical Engi
 Semester: II
 Date: 12-11-2024

Get Students

Roll No.	Name	Series Test 1	Series Test 2	Model Exam	Re-Test	Avg Mark	Attendance Mark
1123201001	Alash R L	74.00	67.00	50.00		14.1	3.50
1123201002	Akshay G	51.00	64.00	25.00		11.5	4.00
1123201003	Daniha Singh D	88.00	83.00	80.00		17.1	4.00
1123201004	Harini S	95.00	85.00	85.00		18	5.00
1123201005	Jeen Lathika X	88.00	80.00	66.00		16.8	4.50
1123201006	Meenu V M	71.00	80.00	65.00		15.1	4.00
1123201007	Mohamed Ansar S	50.00	50.00	8.00		10	4.00
1123201009	Shafin Shanavas	62.00	71.00	51.00		13.3	3.50
1123201010	Vijesh V	0.00	0.00	11.00		1.1	0.00
1123201011	Riyas T H	70.00	60.00	63.00		15	4.50
1123201012	Sreelakshmi S B	75.00	78.00	62.00		15.3	4.00
1123201013	Ashlin J Lal	93.00	91.00	88.00		18.4	4.50

Post

Figure 2.24 Serial Mark Consolidation Batch

Students – Process – Jobs - Attendance Consolidation Batch

The "Attendance Consolidation Batch" is used to calculate the attendance marks for the students.

Attendance Posting Report

Filter By Dept: Aeronautical Engineeri
 Student Semester: III
 Subject: BE3171-Basic Electric
 Moderated Attendance: ☐
 Add No of Hours:
 Section: A-Section

Filter By Course: B.E. Aeronautical Engr
 Semester: II
 Date: 12-11-2024
 Max Hours to Use: 500
 Student Status: ACTIVE

Get Students

Roll No.	Name	Total	Present	Percentage	Mark
1123201001	Akash R L	498	391	78.51	1
1123201002	Akshay G	498	402	80.72	2
1123201003	Daniha Singh D	498	434	87.15	3
1123201004	Harini S	498	493	99.00	5
1123201005	Jeen Lathika X	498	470	94.38	4
1123201006	Meenu V M	498	476	95.58	5
1123201007	Mohamed Ansar S	498	438	87.95	3
1123201009	Shafin Shanavas	498	385	77.31	1
1123201010	Vijesh V	498	197	39.56	0
1123201011	Riyas T H	498	467	93.78	4
1123201012	Sreelakshmi S B	498	446	89.56	3
1123201013	Ashlin J Lal	474	435	91.77	4

Print

Figure 2.25 Attendance Consolidation Batch

Students – Process – Jobs - Semester Upgrade Batch

The "Semester Upgrade Batch" process is used to promote students from one semester to the next after completing all necessary processes for the current semester. Tuition fees will be generated when students are promoted from an even semester to an odd semester.

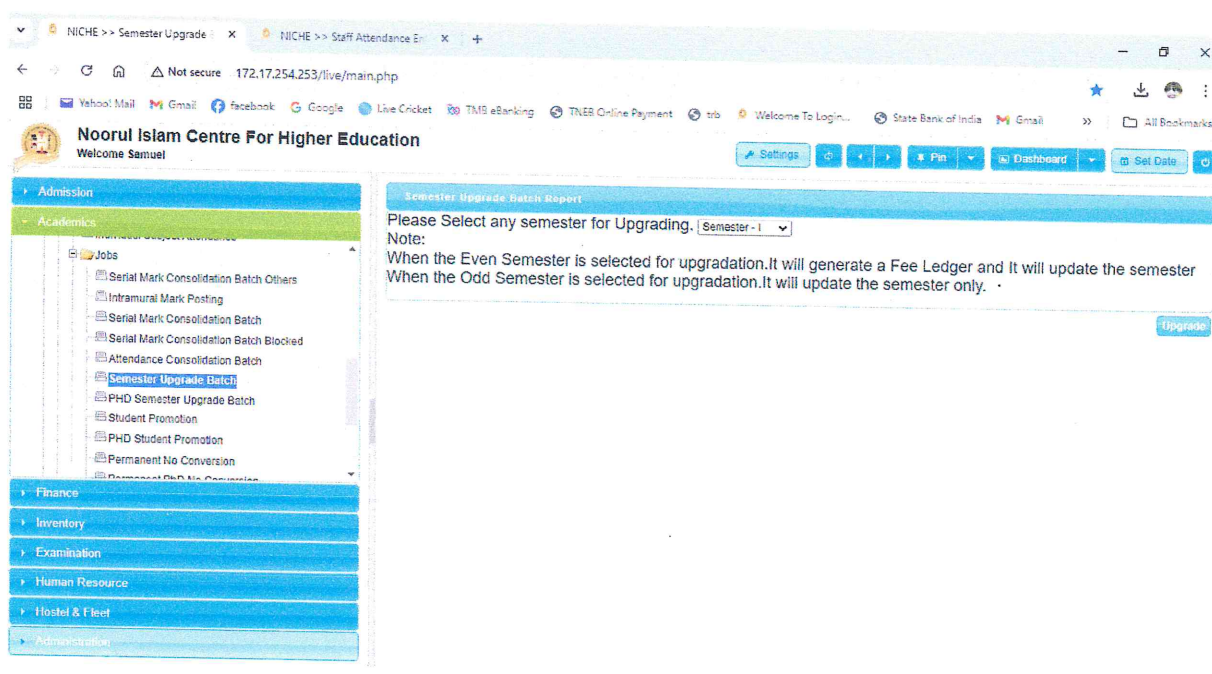


Figure 2.26 Semester Upgrade Batch

Students – Process – Jobs – Student Promotion

Student promotion is used to advance students from one status to another, such as Active to course completed or Graduated after completing the required years of study.

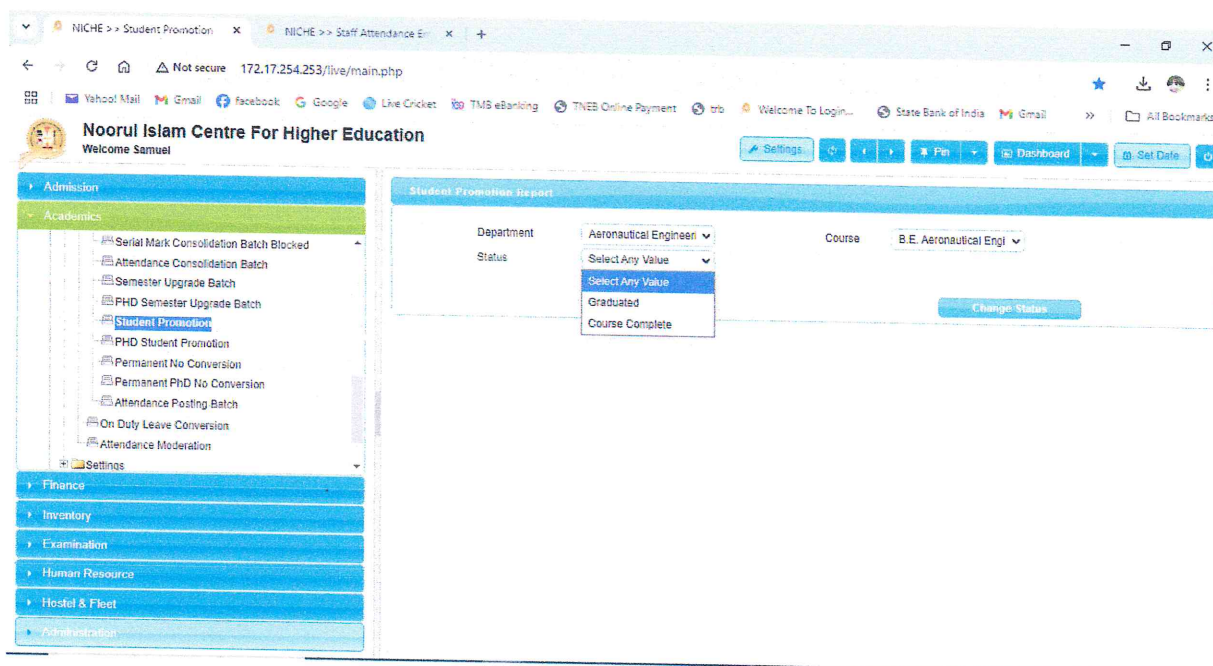


Figure 2.27 Student Promotion Interface

Students – Process – Jobs – Permanent No Conversion

Once the admission process is completed, students will be assigned a permanent register number.

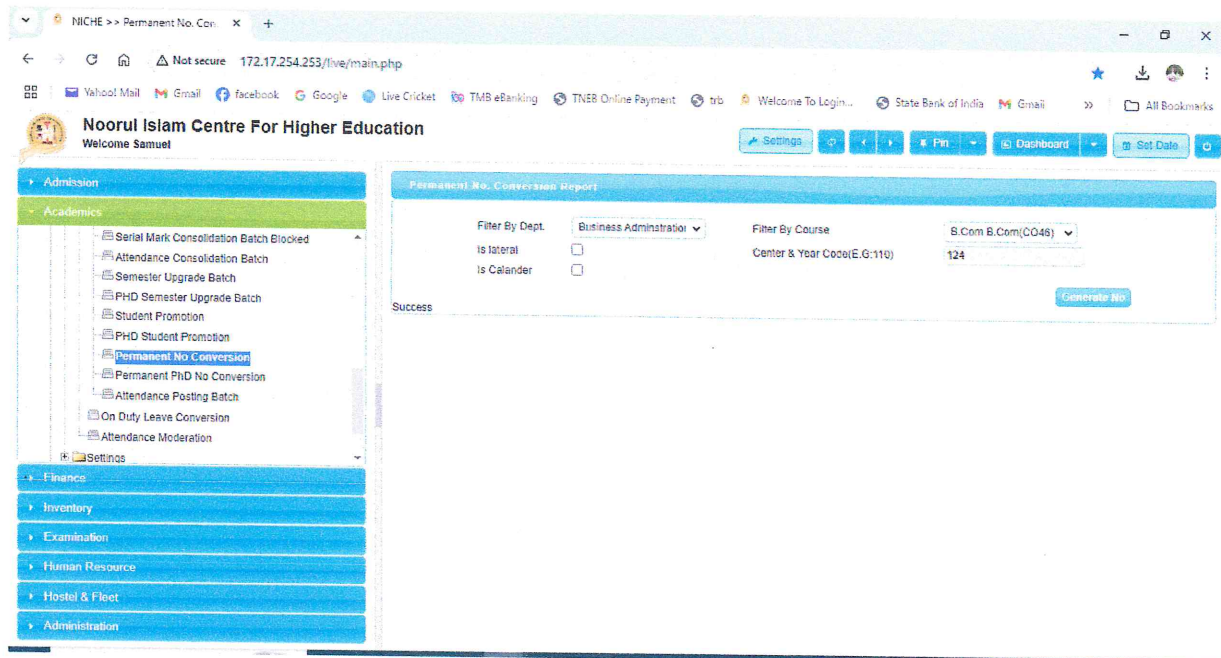


Figure 2.28 Permanent Number Conversion

Students – Process – Jobs – Attendance Posting Batch

The "Attendance Posting Batch" process is used to record the calculated attendance marks for internal mark calculation.

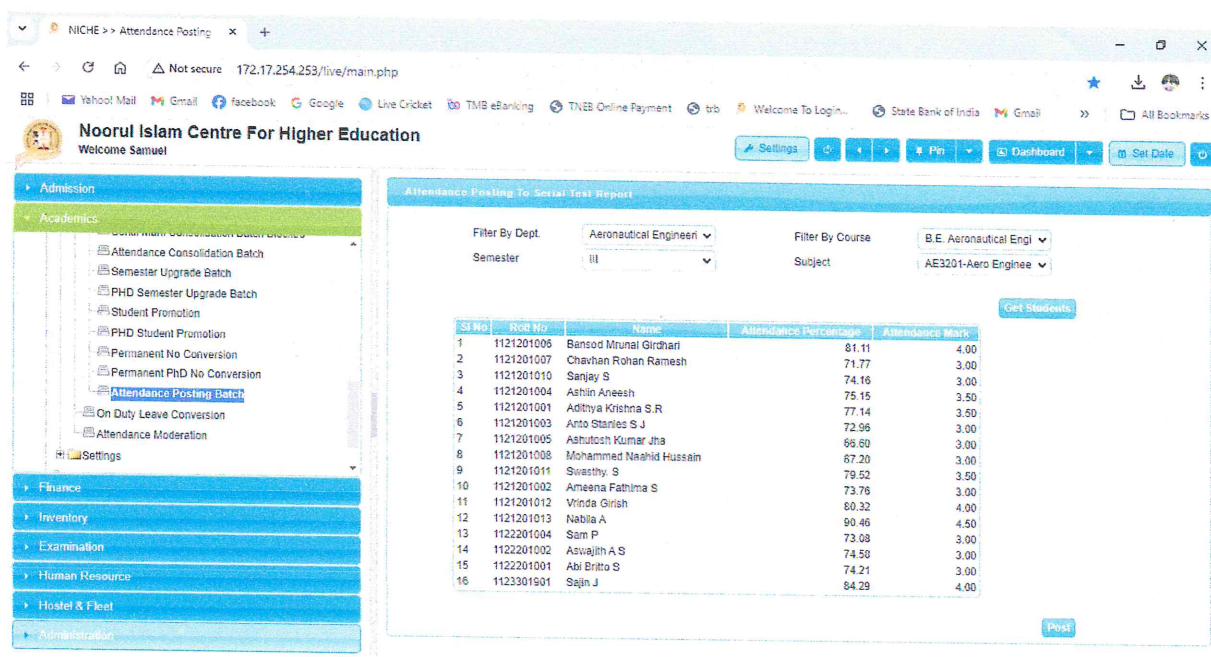


Figure 2.29 Attendance Posting Batch

Students – Process – Jobs – On Duty Leave Conversion

The "On Duty Leave Conversion" interface is used to record on-duty leave for students.

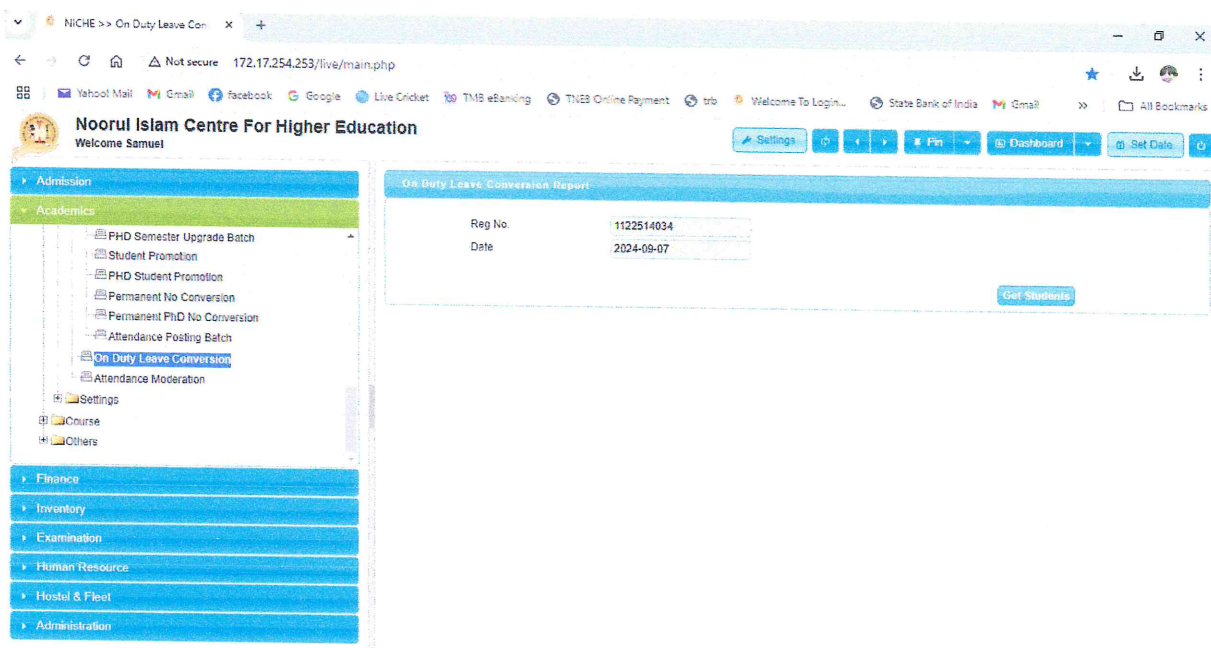


Figure 2.30 On Duty Leave Conversion

Student – Settings- Graduated Students

The "Graduated Student" tab is used to view the details of graduated students.

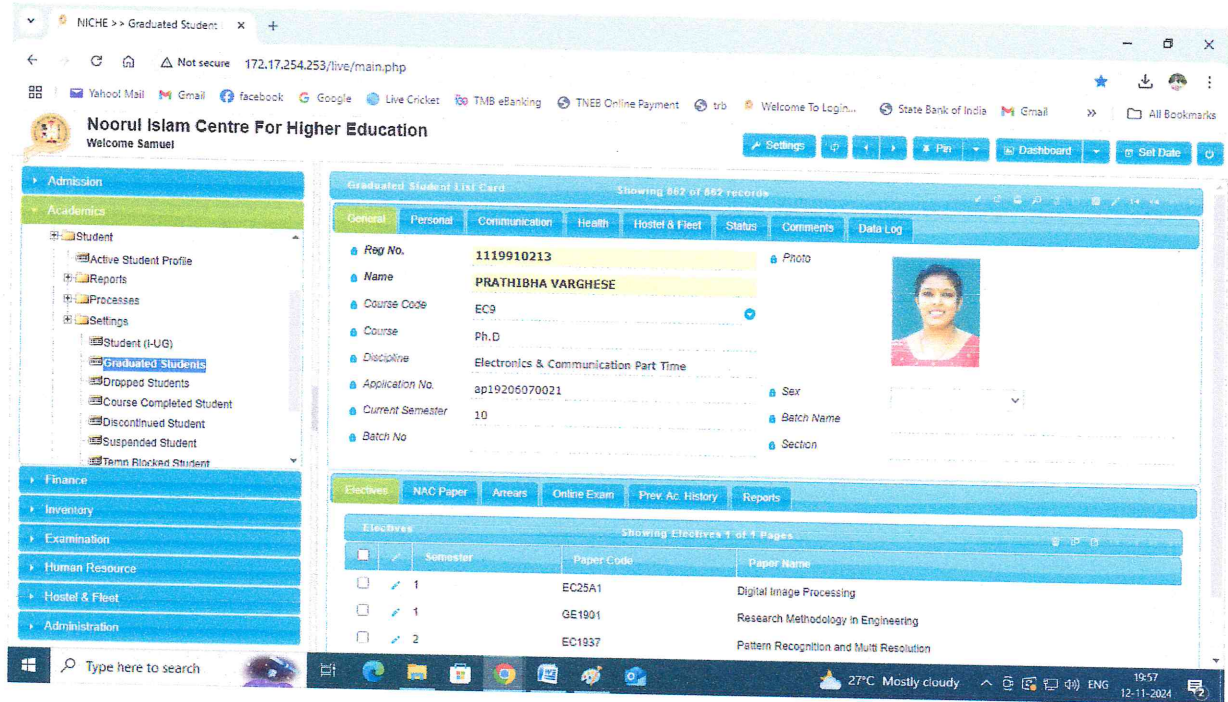


Figure 2.31 Graduated Students

Student – Settings- Course Completed Student

The "Course Completed Student" tab is used to view the details of Course Completed Students.

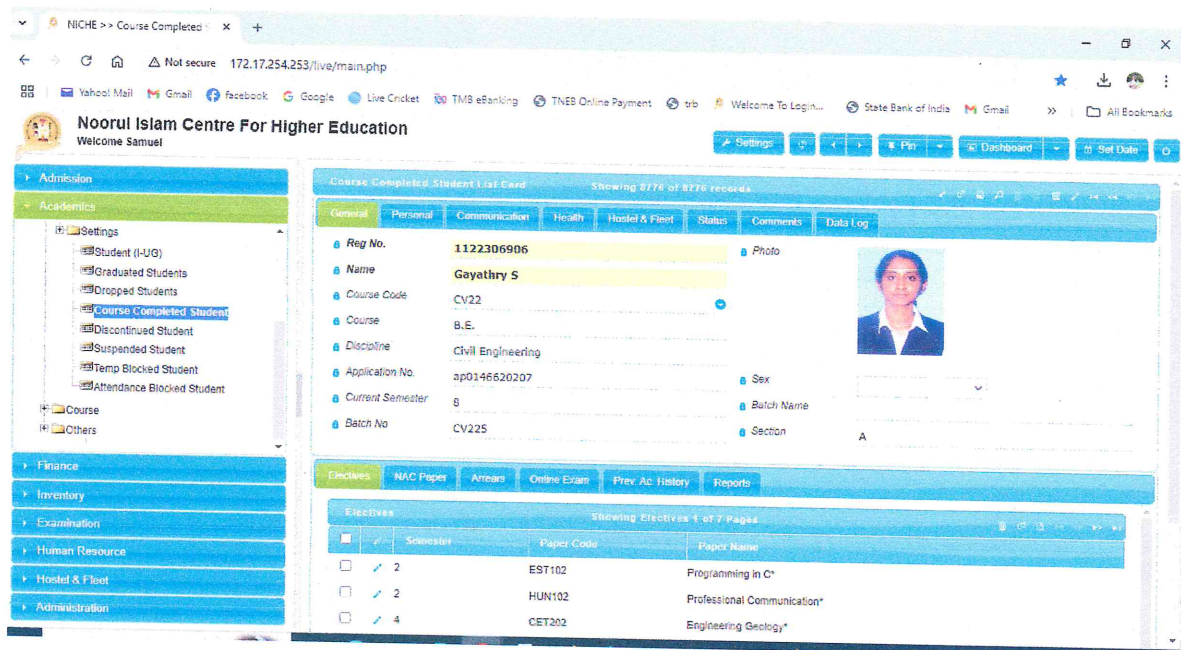


Figure 2.32 Course Completed Student

Student – Settings - Discontinued Student

The "Discontinued Student" list provides details of students who have obtained a Transfer Certificate (TC) before completing their course. This list includes important information such as the student's name, course details, reason for discontinuation, and the date of issue of the Transfer Certificate. It helps in tracking students who have left the program prematurely and provides a record of their departure. This feature is useful for administrative purposes, enabling easy reference to students who have not completed their academic journey and ensuring proper documentation of their discontinuation.

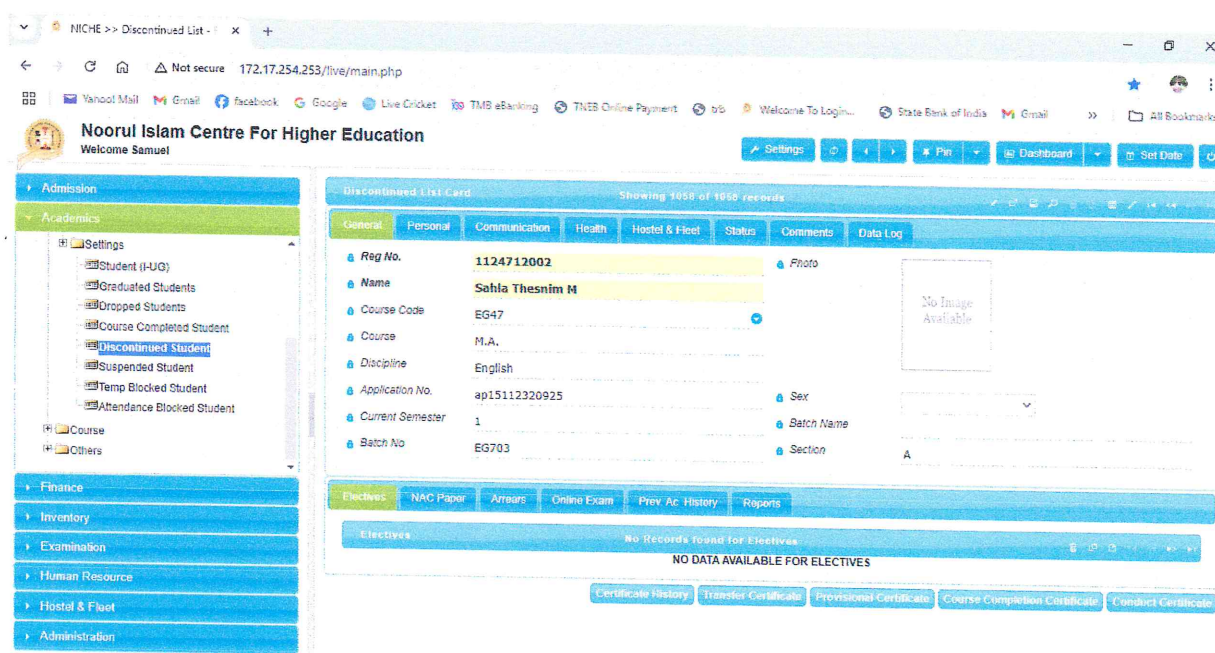


Figure 2.33 Discontinued Student

Student – Settings – Attendance Blocked Student

The "Attendance Blocked Student" list displays details of students who are ineligible to progress to the next semester due to insufficient attendance. This list includes important information such as the student's name, course, and the specific attendance percentage that led to their status being blocked. It serves as

a record of students who have not met the required attendance criteria, preventing them from advancing in their academic program. This feature is essential for administrative tracking and ensures that students are aware of their attendance status before moving forward in their course.

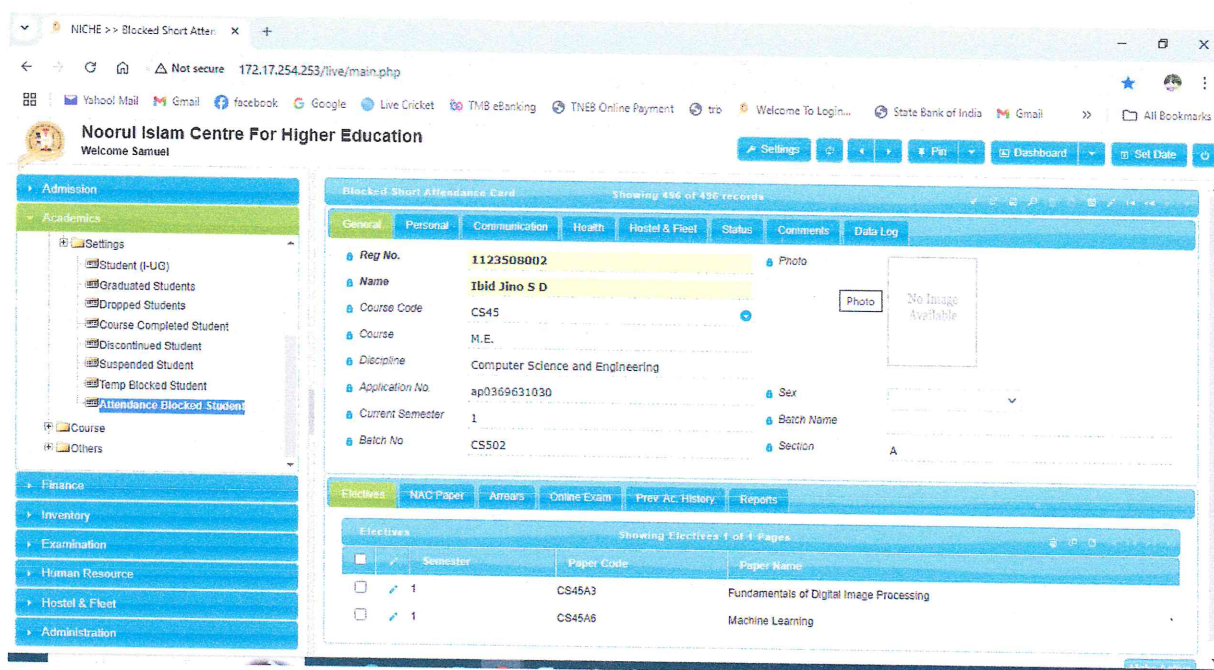


Figure 2.34 Discontinued Student

Course – Settings – Course

The "Course" interface allows users to view the courses offered by the institution. It provides detailed information about each course, including course name, code, and description. Additionally, this interface enables administrators to create new courses, modify existing course names and codes, and update other course-related details. It serves as a central hub for managing and updating course information, ensuring that all course offerings are accurately represented in the system. This feature is essential for keeping course data current and ensuring that students and staff have access to the latest course details.

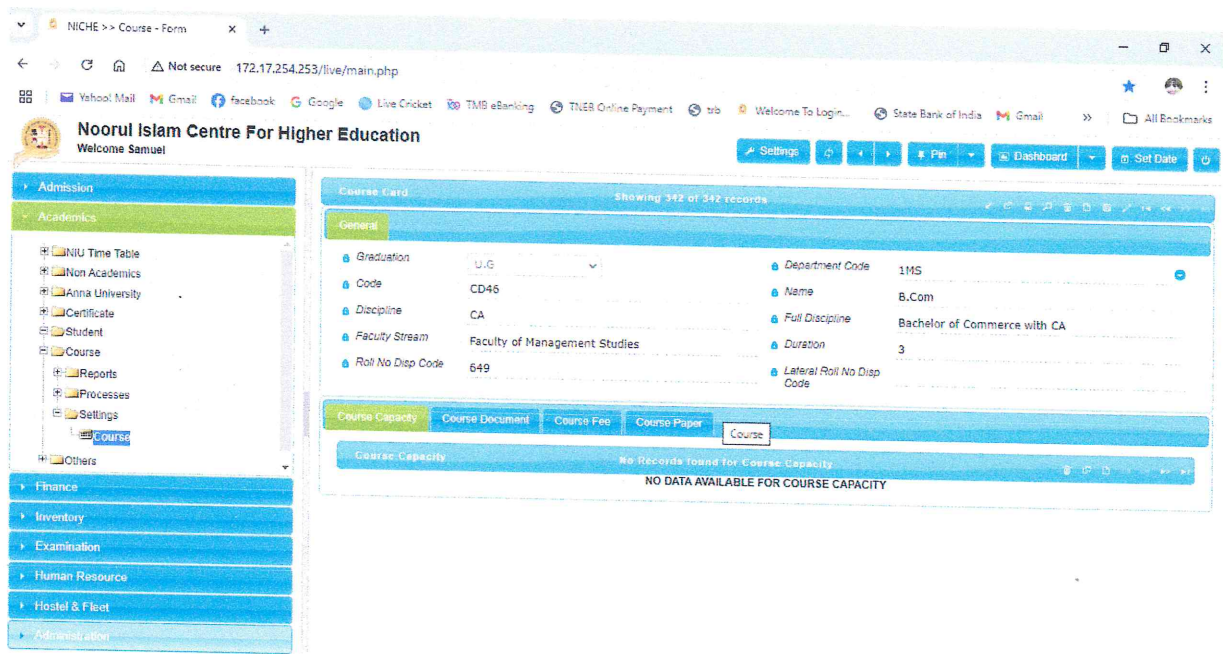


Figure 2.35 Course View Interface

Course- Course Fee Settings

The "Course Fee" tab under the course module is used to assign tuition and hostel fees to students enrolled in a specific program. It allows administrators to set the appropriate fee structure for each course, ensuring that students are charged the correct amounts based on their program of study. The tab also enables the management of additional fees, such as hostel accommodations, by linking them to the respective course. This ensures accurate billing for both tuition and accommodation charges, providing a streamlined process for fee allocation and tracking for all students admitted to the institution's programs.

The screenshot shows the 'Course Fee' tab selected under the 'Course' module. The interface displays a table of fees for the 2024-2025 academic year. The table has columns for Year, Fee Type, Fee Code, Fee Description, and Amount. The fees listed are:

Year	Fee Type	Fee Code	Fee Description	Amount
2024-2025	Per Year	ACDAUX	Academic Auxiliary Fee	7000.00
2024-2025	ONE TIME	ADMFE	Hostel Admission Fee	5000.00
2024-2025	Per Year	MESS	Mess Charges	36000.00
2024-2025	Per Year	ROOMRENT	Room Rent	36000.00
2024-2025	Per Year	TUTFEE	Tuition Fee	40000.00

Figure 2.36 Course Fee Settings interface

Course- Course Paper

The "Course Paper" tab under the course module is used to assign the subjects for each semester of a program. It allows administrators to specify and manage the courses or papers associated with each semester, ensuring that the correct subjects are linked to the respective program. This feature enables the efficient organization of course materials, helping to maintain an accurate curriculum structure for each academic term. By using this tab, institutions can easily assign and update the subjects offered in a program, ensuring that students are enrolled in the appropriate courses for their current semester.

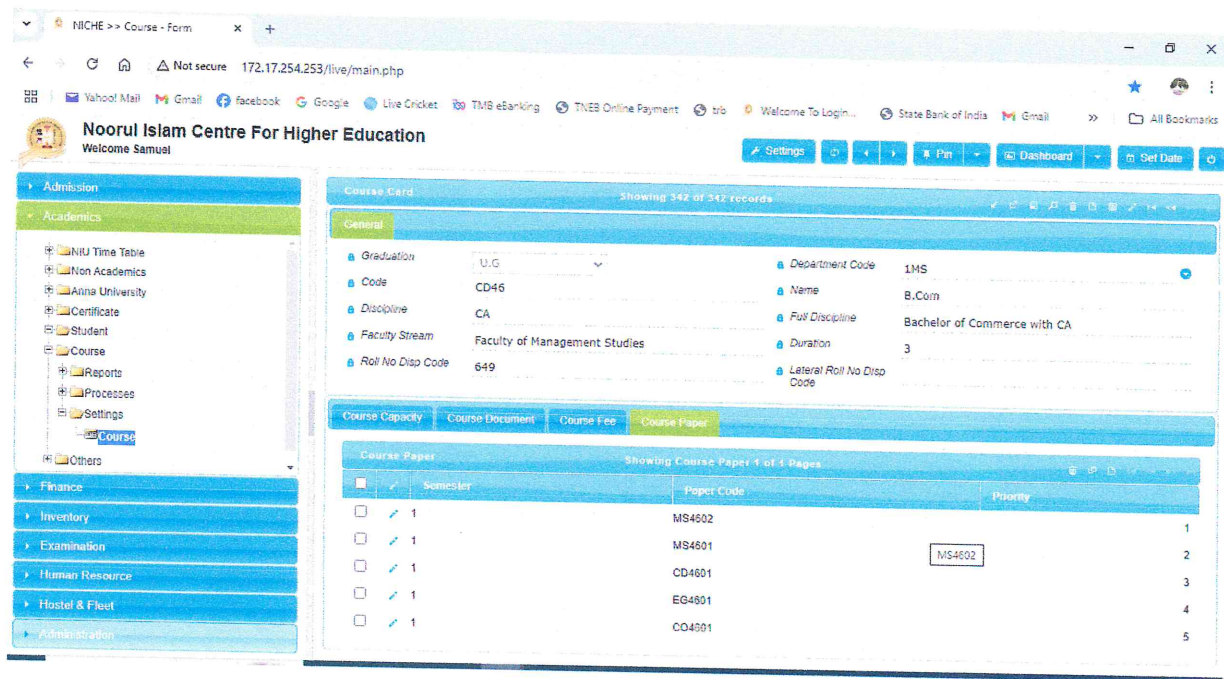


Figure 2.37 Course Paper View Interface

Academics – Others – Process - Reset Time Table

The "Reset Timetable" process is used to clear or reset the timetable from the previous semester in preparation for the new semester. This process ensures that any schedules, course allocations, or classroom assignments from the prior term are removed, allowing for the creation and implementation of the updated timetable for the upcoming semester. It helps administrators and faculty ensure that the new academic term is organized efficiently, with the proper scheduling of classes, exams, and other academic activities. By resetting the timetable, the system provides a clean slate for the scheduling process at the beginning of each semester.

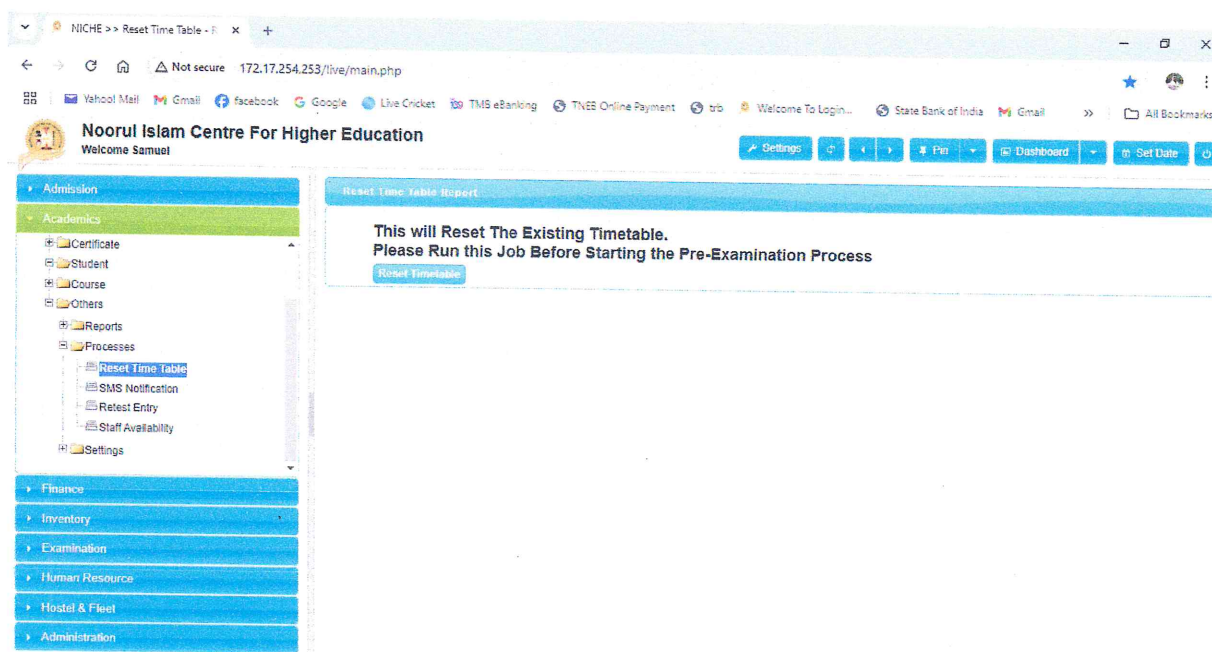


Figure 2.38 Reset Time Table

Academics – Others – Process – SMS Notification

The "SMS Notification" tab is used to send important information to students and staff through text messages. This interface allows administrators to communicate updates, announcements, or alerts quickly and efficiently. Whether it's regarding academic deadlines, events, fee reminders, or other institutional news, the SMS Notification feature ensures that messages reach the intended recipients directly on their mobile phones. It helps streamline communication, ensuring that both students and staff are kept informed in real-time. By using this interface, institutions can enhance their communication with students and staff, ensuring timely delivery of critical information.

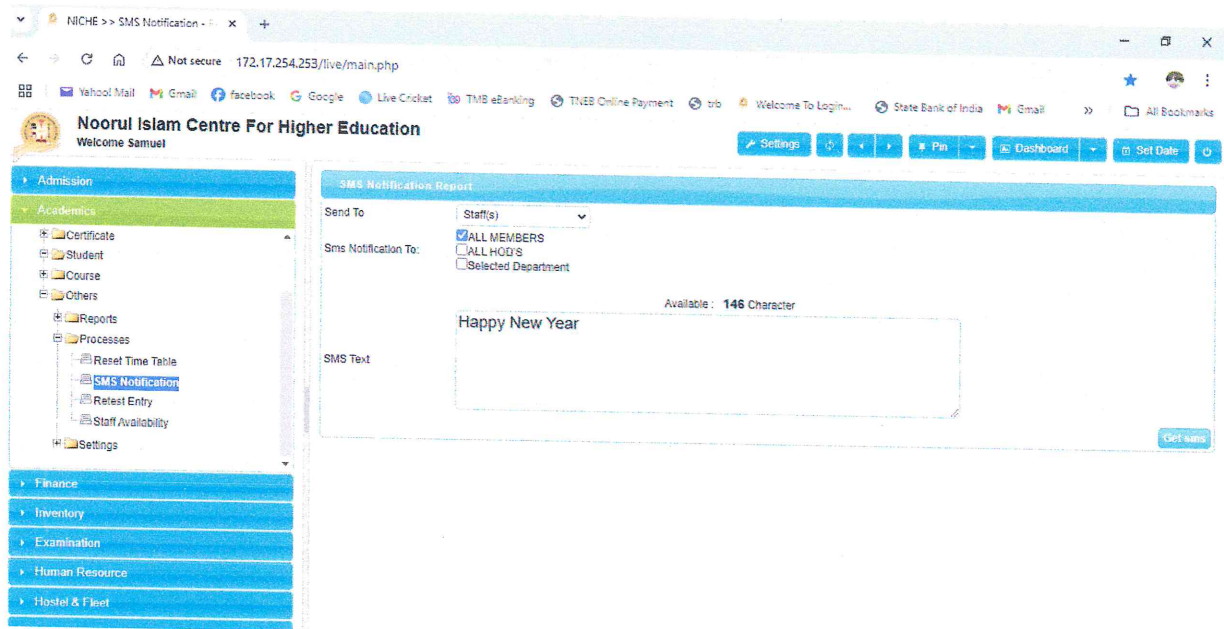


Figure 2.39 SMS Notification Interface

Academics – Others – Settings – Department

The "Department" interface allows users to add new departments, including assigning a unique department code and caption. This feature helps manage and organize departments within the system, ensuring that each department is properly identified and categorized for administrative and academic purposes.

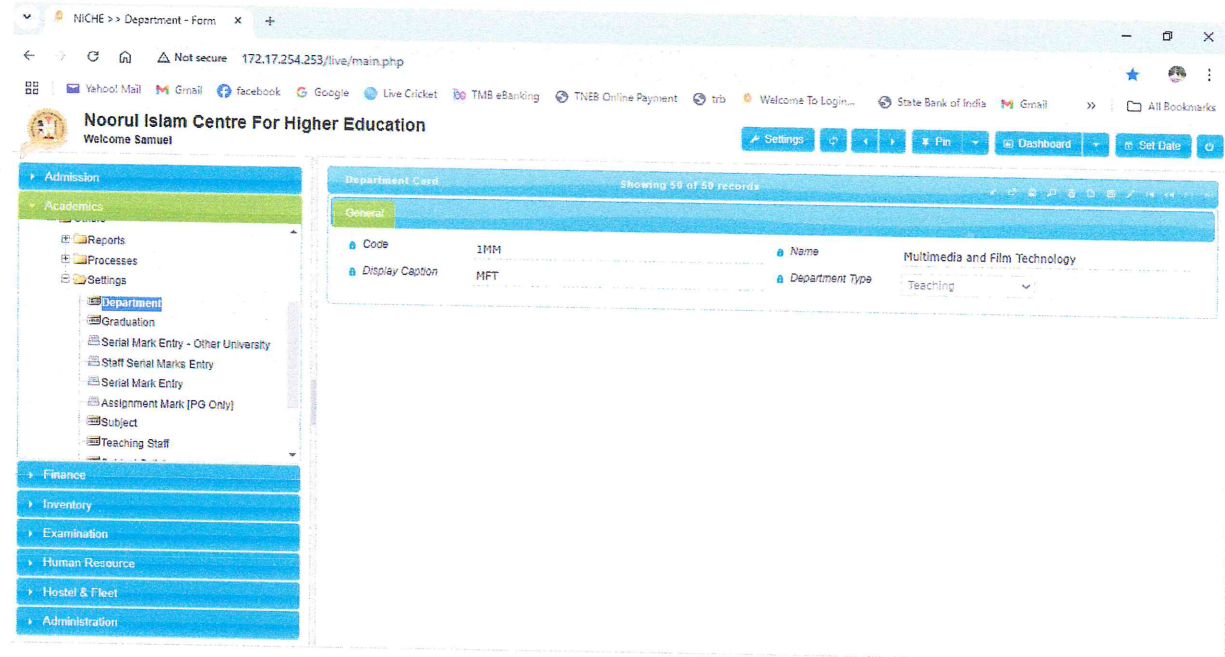


Figure 2.40 Department Interface

Academics –Settings – Assignment Mark (PG) Only

The "Assignment Mark (PG) Only" interface is used to input assignment marks for postgraduate (PG) students. This tool allows faculty to record and manage assignment grades specifically for PG-level courses, ensuring accurate tracking of student performance in assignments throughout the semester.

Roll No.	Name	Assignment Mark (Max Mark: 10)
1123501001	Ranjith K M	
1123501002	Sibin Stephen	

Figure 2.41 Assignment Mark (PG Only)

Academics – Others – Settings – Subjects

The "Subject" interface is used to add new subjects into the system. This feature allows administrators to define key details for each subject, including the subject code, name, credit hours, exam fees, and other relevant information. By using this interface, institutions can efficiently manage their course offerings, ensuring that

all subjects are properly categorized and documented within the automation system. It streamlines the process of adding and updating subject-related information, making it easier to maintain an up-to-date and organized curriculum structure. This interface is essential for managing academic records and facilitating smooth course management.

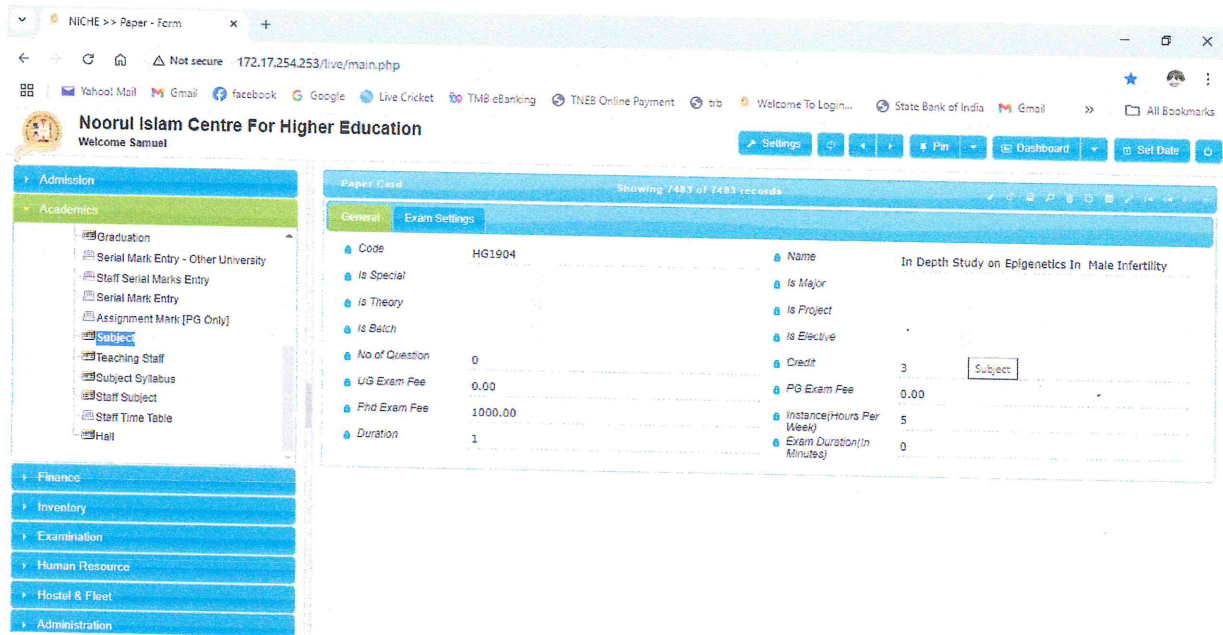


Figure 2.42 Subjects Details

Academics – Others – Settings – Teaching Staff

The "Teaching Staff" interface allows users to view information about the teaching staff based on their respective departments. This module provides key details such as staff ID, name, department, and other relevant information. It helps administrators and other users easily access and manage staff records, ensuring that faculty details are organized and readily available. The interface streamlines the process of tracking teaching staff across various departments, making it easier to update and retrieve staff-related information when needed. This feature is essential for maintaining accurate and up-to-date records of faculty members within the institution.

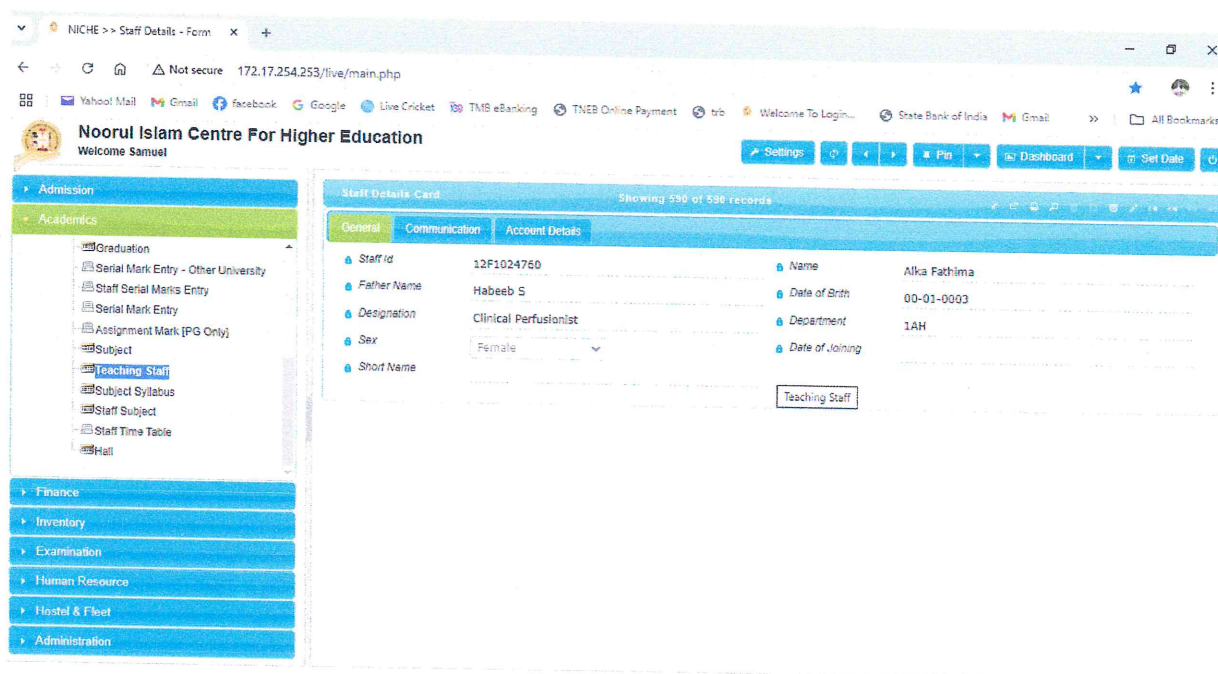


Figure 2.43 Teaching Staff Details

Academics – Others – Settings – Staff Subject

The "Staff Subject" interface is used to assign subjects to teaching staff for various classes across different departments. This feature allows the Head of Department (HOD) to allocate specific subjects to faculty members, ensuring that each staff member is responsible for the appropriate courses. The HOD oversees this process, ensuring that subject assignments align with faculty expertise and departmental requirements. By using this interface, departments can effectively manage subject allocation, track teaching assignments, and ensure that courses are taught by the qualified staff members for each academic term. This helps streamline the academic scheduling process within the institution.

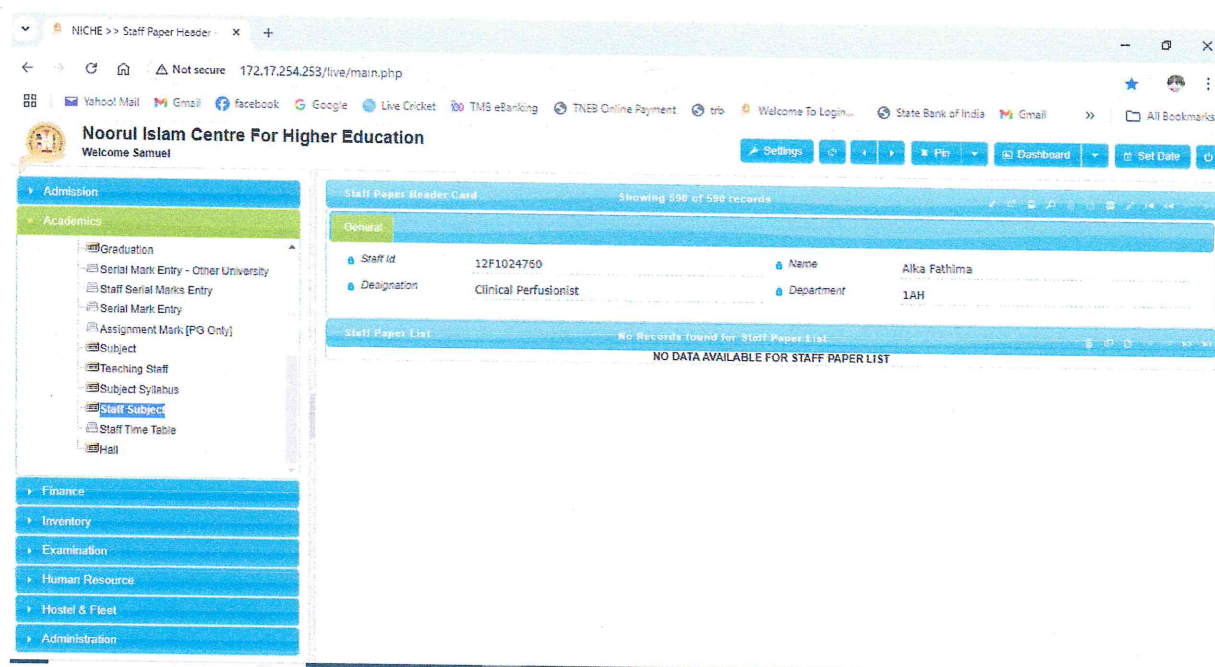


Figure 2.44 Staff Subject Allotment Interface

Academics – Others – Settings – Staff Time Table

The "Staff Timetable" interface is used to view the classes assigned to staff members across different courses. It provides a detailed schedule of each staff member's teaching assignments, helping to track and manage class allocations for faculty across various departments and academic terms.

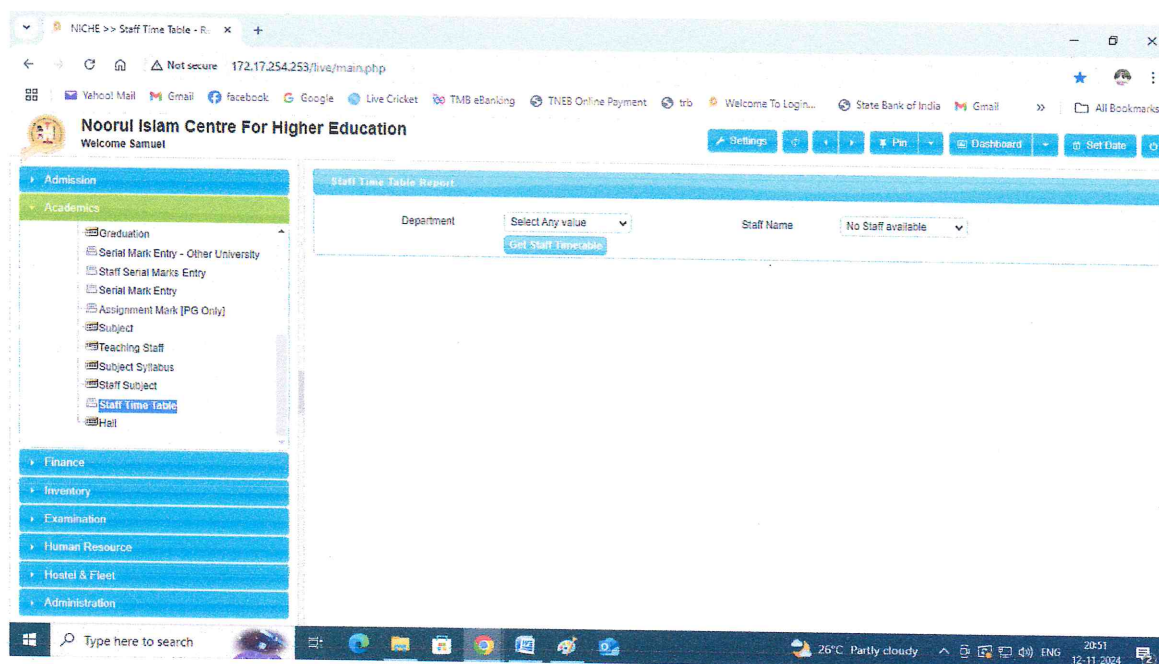


Figure 2.45 Staff Timetable View Interface

Non Academics - Student Non-Academic

The **Student Non-Academic Paper** module allows users to add and view details related to a student's non-academic papers or records. The module provides a centralized platform for tracking and managing these non-academic records, offering an organized view of each student's additional accomplishments beyond their academic coursework. It helps administrators and educators maintain a comprehensive profile of students, ensuring all aspects of their educational and personal development are documented and accessible for evaluation and reporting purposes.

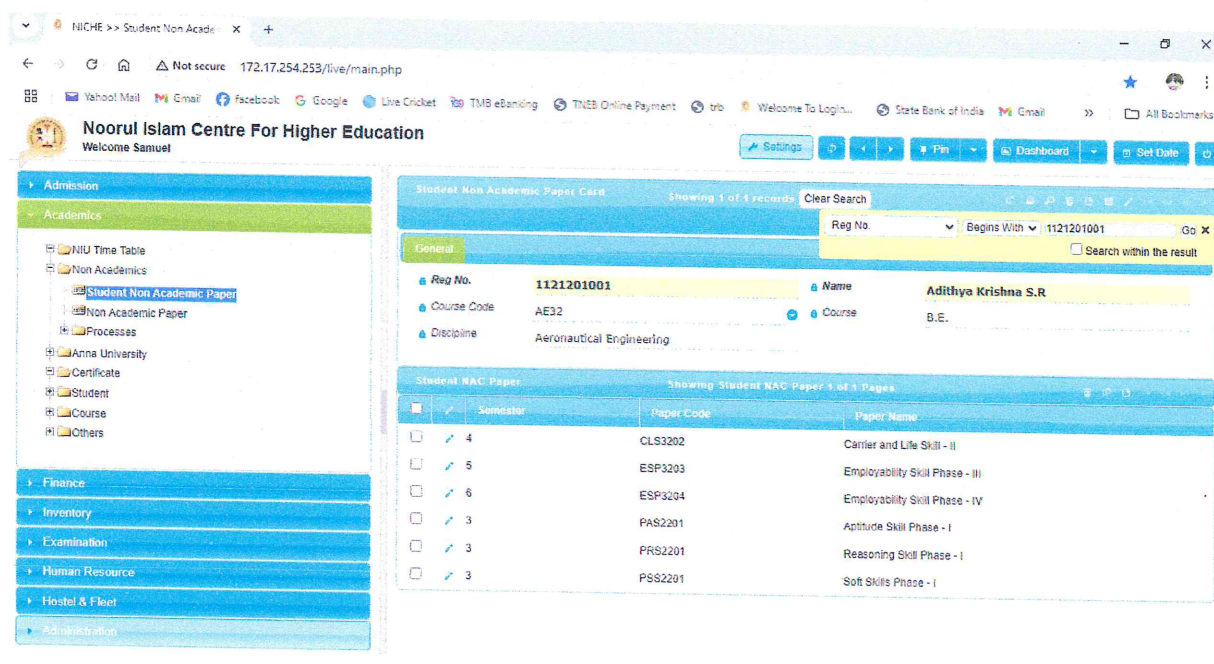


Figure 2.46 Student Non Academic Paper

Non Academic Paper

The **Non-Academic Paper** module allows users to add and view non-academic papers, while also managing related details such as subject codes, credits, and other relevant information. It provides a comprehensive view of a student's extracurricular achievements, enabling easy tracking and management. The

module ensures all non-academic records are well-documented, making it easier for administrators to maintain detailed student profiles and support reporting and academic progression.

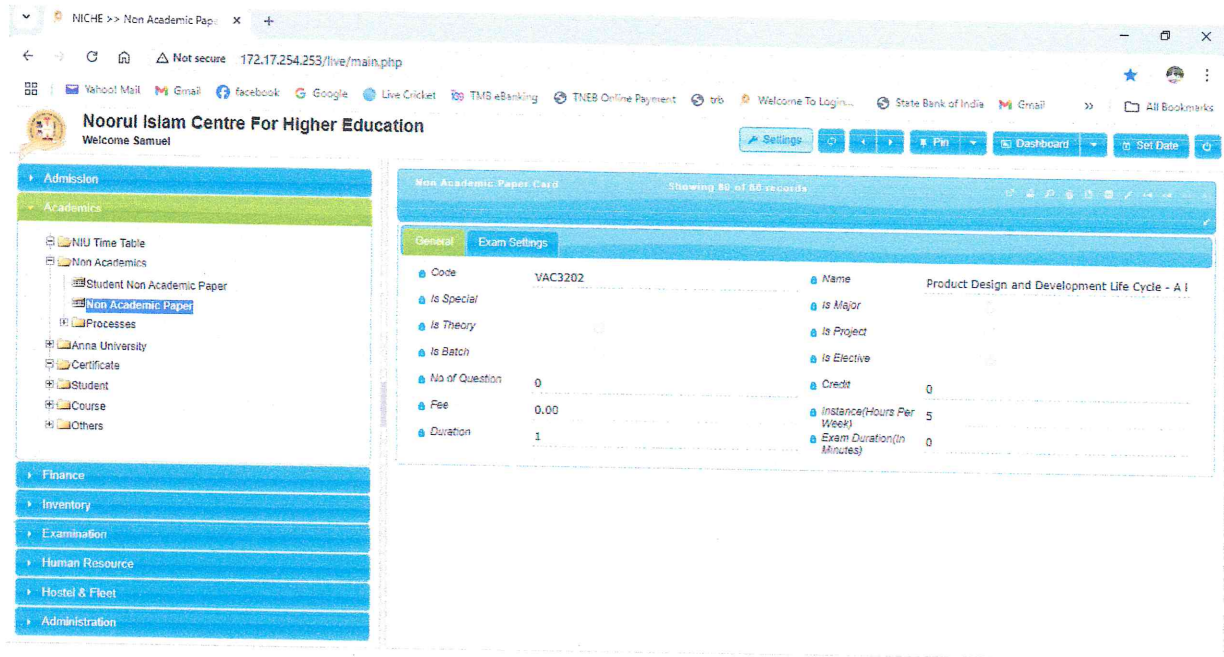


Figure 2.47 Non Academic Paper Management Interface

Student NAC Paper Allocation

The **Student NAC Paper Allocation** interface is used to assign non-academic papers to students within a class. This interface allows administrators or faculty members to allocate relevant non-curricular papers. By providing a clear and organized platform for allocation, this interface ensures that each student's non-academic achievements are properly documented, facilitating easy tracking and reporting of their overall educational progress.

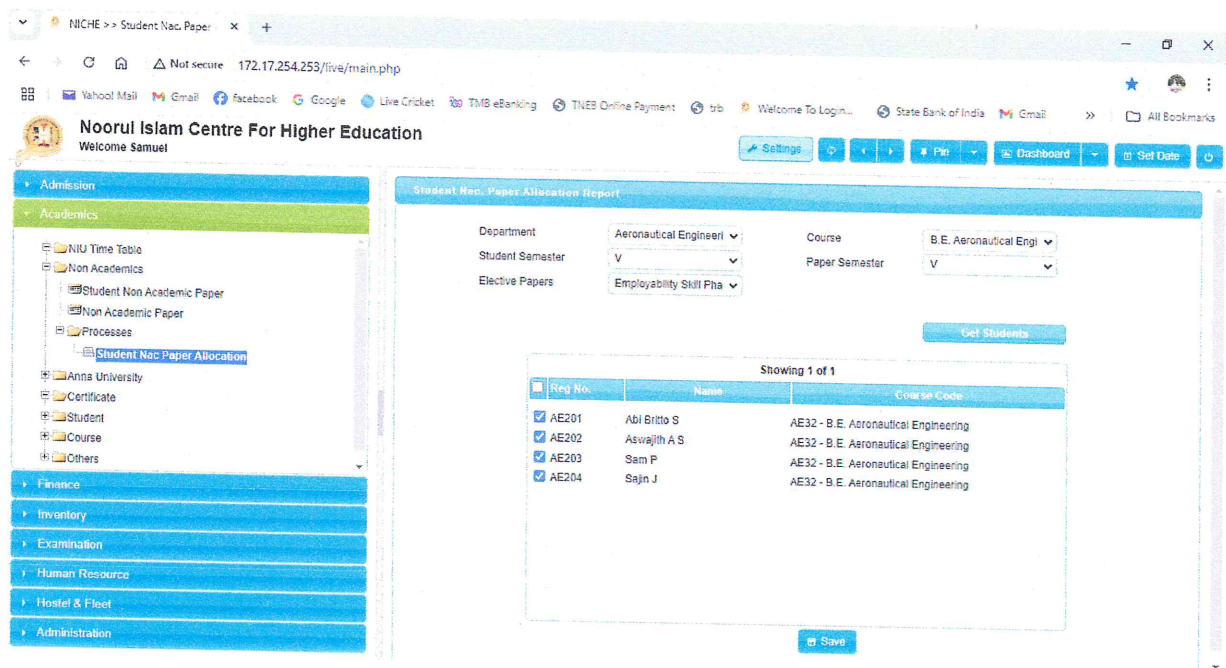


Figure 2.48 Student NAC Paper Allocation Interface

3. NICHE ERP - Examination Module

The **Examination Module** in NICHE ERP is designed to streamline the entire examination process, making it efficient and user-friendly for administrators, faculty and students. This module covers every essential stage of exams, starting with **Exam Scheduling and Timetable Management**, which enables administrators to plan and set up exam dates, times and venues based on courses and programs. It includes a **Question Paper Management** feature for the secure creation and distribution of exam content, whether for multiple-choice, descriptive or practical assessments.

The module also includes a **Student Hall Ticket Generation** function, which automates the creation of hall tickets with all necessary exam details, available for student download. During the exams, **Attendance Tracking** ensures a digital record of attendance, with reports by center or course. For grading, the **Exam Evaluation and Grading** feature supports both automated and manual scoring, with final grades calculated according to predefined criteria. Once grading is complete, **Result Processing and Publication** allows quick result dissemination via student portals. Additionally, the module enables the generation of official **Transcripts and Mark Sheets** for students. Finally, a range of **Reports and Analytics** provides valuable insights into exam performance and trends, supporting continuous improvement in examination management. This comprehensive module ensures a secure, organized and transparent examination experience within the university.

Examination Hall Master Interface

The **Examination Hall Master** interface allows users to manage exam hall information within the master database, providing flexibility in adding, updating, or deleting exam halls as needed. Through this interface, users can create new exam hall entries by specifying details such as hall name, location, and seating

capacity, ensuring an up-to-date record of available spaces for examination purposes.

In addition to adding new halls, users can modify the seating capacity of existing halls to reflect any changes, such as reconfigurations or upgrades. If a hall is no longer available or needed, the interface also provides the option to delete it from the system. This feature ensures that the examination logistics database remains current and accurate, supporting efficient exam seating allocation and venue management. By centralizing all examination hall information, the **Examination Hall Master** interface helps streamline exam planning, reduce logistical errors, and ensure that each exam session is conducted with the necessary facilities in place.

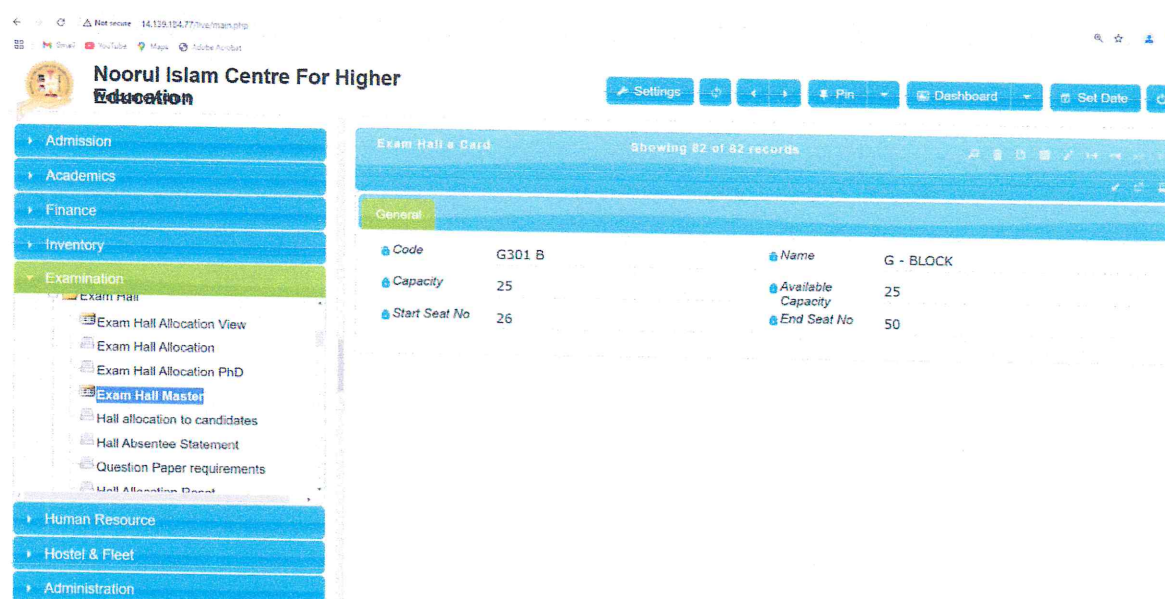


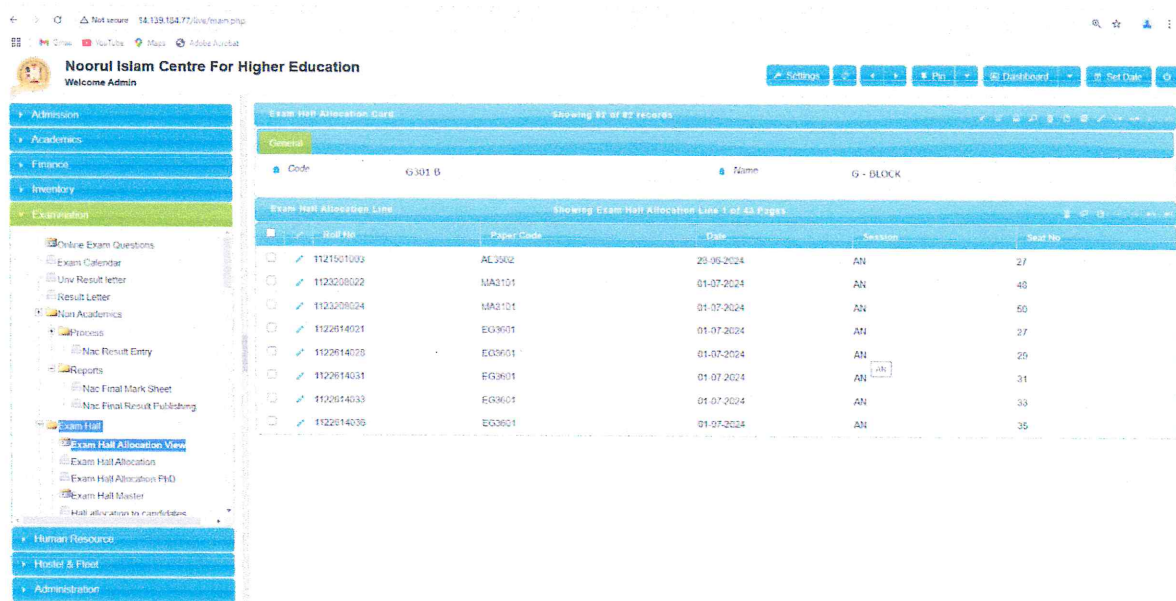
Figure 3.1 Examination Hall Master

Examination Hall View

The **Examination Hall View** interface provides a convenient way for users to manage exam hall information within the master database. Through this interface, users can add new examination halls, specifying details such as seating capacity, location, and hall identification. This feature helps ensure that all

examination spaces are cataloged accurately, supporting efficient exam planning and seating arrangements.

Users can not only add new halls but also view existing hall details, including each hall's seating capacity, which assists in allocating students effectively and maximizing available resources. By centralizing hall information, this interface simplifies the process of exam venue management, making it easy to assign rooms based on the number of candidates and seating availability. This organized approach to hall management aids in the smooth administration of exams, reducing the risk of overbooking and ensuring that students are accommodated comfortably. Overall, the **Examination Hall View** interface enhances the efficiency of exam logistics by offering an accessible and streamlined solution for managing exam halls and seating capacities.



Roll No	Paper Code	Date	Session	Seat No
1121501009	AL3002	29-06-2024	AN	27
1123208022	MA3101	01-07-2024	AN	40
1123208024	MA3101	01-07-2024	AN	50
1122814021	EG3601	01-07-2024	AN	27
1122814028	EG3601	01-07-2024	AN	29
1122814031	EG3601	01-07-2024	AN	31
1122814033	EG3601	01-07-2024	AN	33
1122814035	EG3601	01-07-2024	AN	35

Figure 3.2 Examination Hall View

Examination Hall Allocation View

The **Examination Hall Allocation View** interface allows users to efficiently assign students to specific exam halls according to each hall's seating capacity

and the scheduled exam timetable. This interface simplifies the task of seating arrangement by automatically generating detailed seating allocations based on the provided criteria, ensuring that all students are assigned to appropriate halls without exceeding room capacities.

Using this tool, administrators can manage seating assignments with ease, as the system considers both the number of candidates and the available seats in each hall. This streamlined approach minimizes manual work, reduces potential errors, and ensures that students are seated in a well-organized manner. Additionally, the seating allocation details generated by the system can be viewed and printed as necessary, providing exam supervisors with a clear, structured layout for each examination session. Overall, the **Examination Hall Allocation View** interface enhances the administration of exams by automating seating assignments, improving logistical efficiency, and supporting a seamless examination experience.

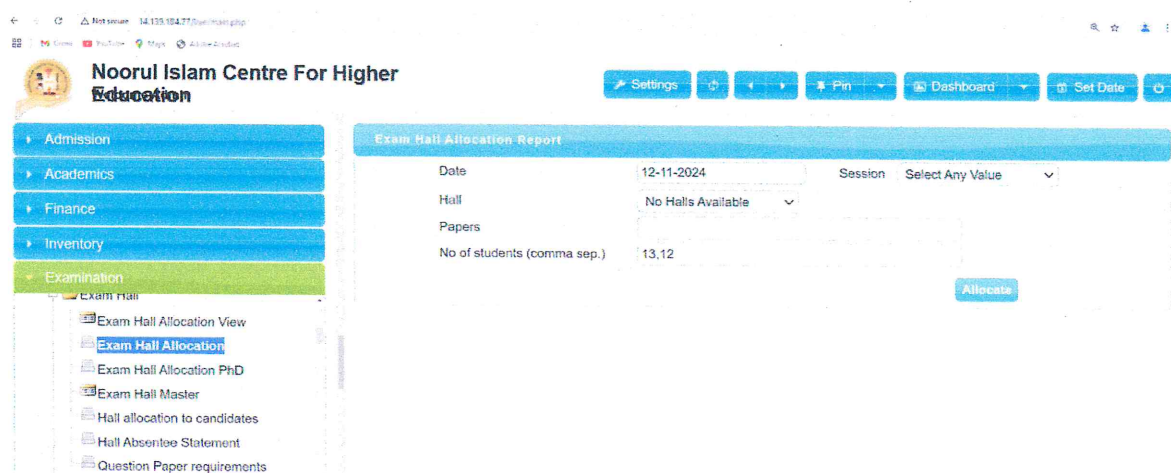


Figure 3.3 Examination Hall Allocation

Exam Hall Allocation Details

The **Examination Hall Allocation Details Report** feature provides users with comprehensive insights into the student assignments for each exam hall. This report enables users to view a detailed list of students allocated to individual

exam halls, helping administrators and invigilators ensure that seating arrangements are well-organized and verified. Additionally, this feature calculates and displays the number of question papers required for each hall, facilitating efficient distribution and minimizing any last-minute shortages.

Alongside seating and question paper information, the report also generates an attendance sheet specific to each exam hall. This sheet includes space for students' signatures, offering an organized method for recording attendance and confirming each candidate's presence. With all these critical details consolidated in one report, the **Examination Hall Allocation Details Report** supports smooth and efficient examination management, ensuring that each exam hall is fully prepared for the test day and that all logistical requirements are met.

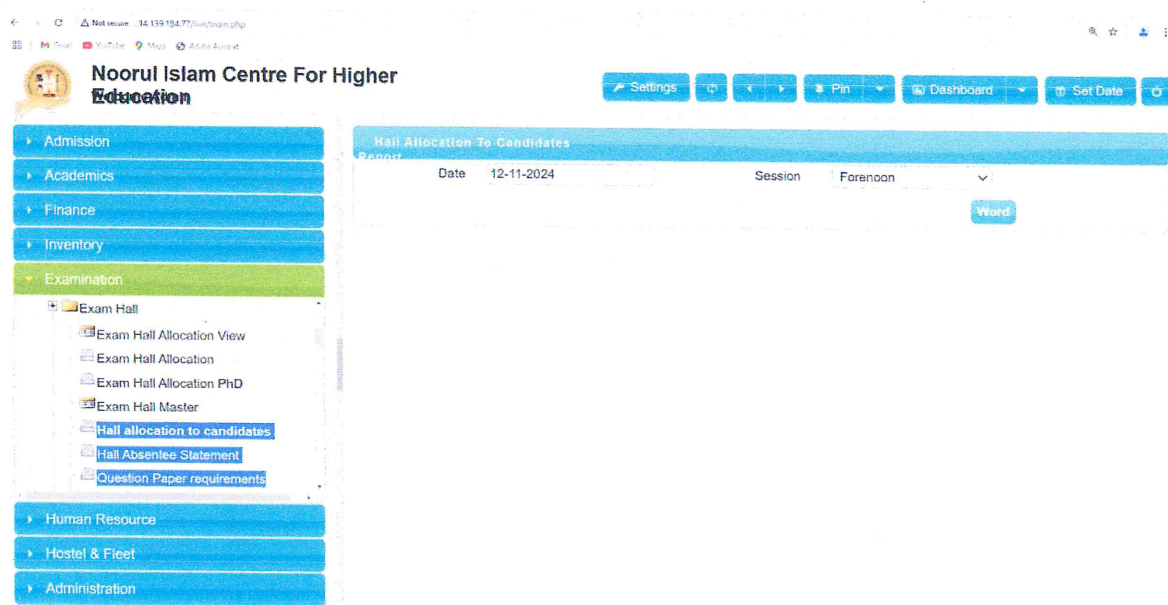


Figure 3.4 Exam Hall Allocation Details

Examination Application Reports

The **Examination Application Reports** feature allows users to generate and manage examination applications prior to the commencement of the final university examinations. This functionality prepares the necessary applications for students, who can then review and complete the exam registration process

seamlessly. An integral part of this report is enabling students to pay their examination fees online, offering a convenient and secure payment option that supports timely fee collection and minimizes administrative delays.

By streamlining the exam application and payment processes, the **Examination Application Reports** feature ensures that students are properly registered for their exams and that financial requirements are met well in advance of the examination dates. This efficient process helps maintain an organized flow of exam preparations and provides a transparent, hassle-free experience for both students and administrators.

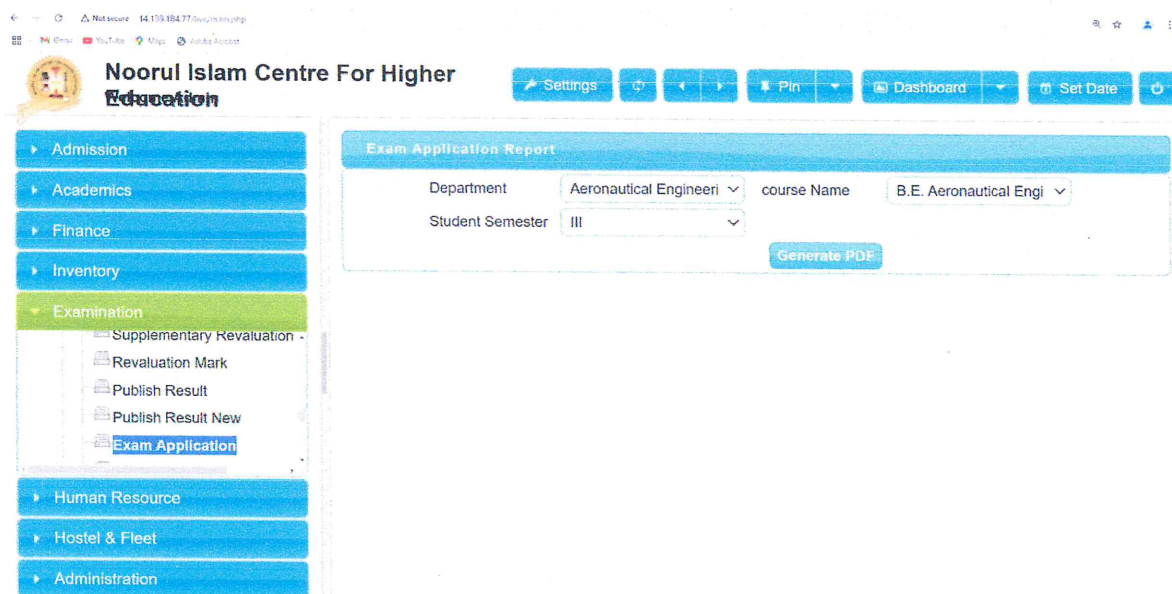


Figure 3.5 Examination Application Reports

Examination Time Table Entry

The Examination Time Table Entry feature allows users to input and manage the exam timetable details within the system, ensuring that all examination schedules are accurately recorded. By entering essential information such as exam dates, times, subjects, and venues, this feature enables the system to organize and streamline all exam-related processes. Once the timetable is entered, the system can efficiently handle tasks such as hall allocations, student

assignments, and attendance tracking, ensuring that the examination process runs smoothly.

This functionality helps administrators maintain a well-structured schedule, preventing any conflicts or overlaps in exam timings and ensuring that all students have a clear understanding of their exam schedule. By centralizing the exam timetable within the system, it also improves communication and coordination among various departments, such as examination controllers, invigilators, and students. Overall, the Examination Time Table Entry feature supports an organized, efficient, and error-free examination process, from scheduling to final result publication.

Noorul Islam Centre For Higher Education

Settings | Pin | Dashboard | Set Date

Admission | Academics | Finance | Inventory | Examination | Human Resource | Hostel & Fleet | Administration

Exam Time Table Entry

Department: Aeronautical Engineeri | course Name: B.E. Aeronautical Engi | Semester: III | Get Papers

Code	Name	Date	Session
AE3201	Aero Engineering Thermodynamics		FN AN
AE3202	Fundamental of Aeronautics		FN AN
AE3203	Introduction to Aircraft Structures		FN AN
AE3204	Solid Mechanics		FN AN
AE3271	Aero Thermodynamics Lab		FN AN
AE3272	Solid Mechanics Laboratory		FN AN
CLUB	Club Activities		FN AN
MA3201	Engineering Mathematics - III		FN AN
ME3204	Fluid Mechanics and Machinery		FN AN
ME3272	Fluid Mechanics and Machinery Laboratory		FN AN
PFP	Physical Fitness Period		FN AN
MA3101	Engineering Mathematics - I		FN AN
AE3101	Aircraft Production Technology		FN AN

Figure 3.6 Examination Time Table Entry

Result Import from Excel Data Sheet

The **Result Import from Excel Data Sheet** feature allows users to seamlessly import university exam marks from an Excel data sheet into the system. This functionality simplifies the process of transferring large volumes of exam results by eliminating manual data entry. Through an automated scanning process, the system maps the dummy numbers from the Excel sheet to the corresponding

student register numbers and subject codes, ensuring accurate and efficient data import.

Once the data is imported, the system processes the marks and integrates them into the university's examination records, ready for further evaluation and publication. This feature not only speeds up the result entry process but also minimizes the risk of errors, ensuring the integrity of the examination data. By automating the mapping and import functions, the **Result Import from Excel Data Sheet** feature enhances the efficiency of result management, allowing administrators to focus on other important aspects of exam processing while maintaining data accuracy and consistency.

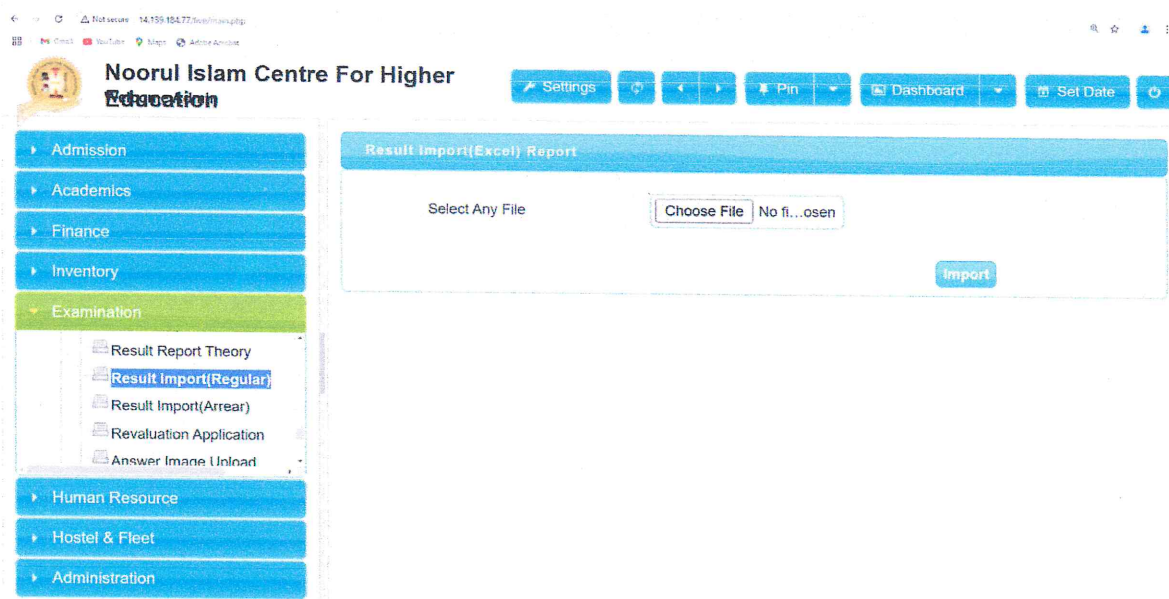


Figure 3.7 Result Import from Excel Data Sheet Interface

Manual Result Entry Interface

The **Manual Result Entry Interface** allows users to manually input university exam marks either in bulk or for individual students based on their register numbers. This interface provides flexibility by enabling administrators to enter marks for a specific student or for a group of students, depending on the requirement. Users can input exam results bundle-wise, streamlining the process

for large numbers of students, or select a particular register number when entering results for individual candidates.

This feature is particularly useful for cases where automated result import options are not available, ensuring that exam data can still be entered accurately and efficiently. The manual entry process is designed to minimize errors and allow for quick corrections, providing a smooth method for updating and managing examination results. By offering both bulk and individual entry options, the **Manual Result Entry Interface** caters to different scenarios, enhancing the overall flexibility and usability of the exam result management system.

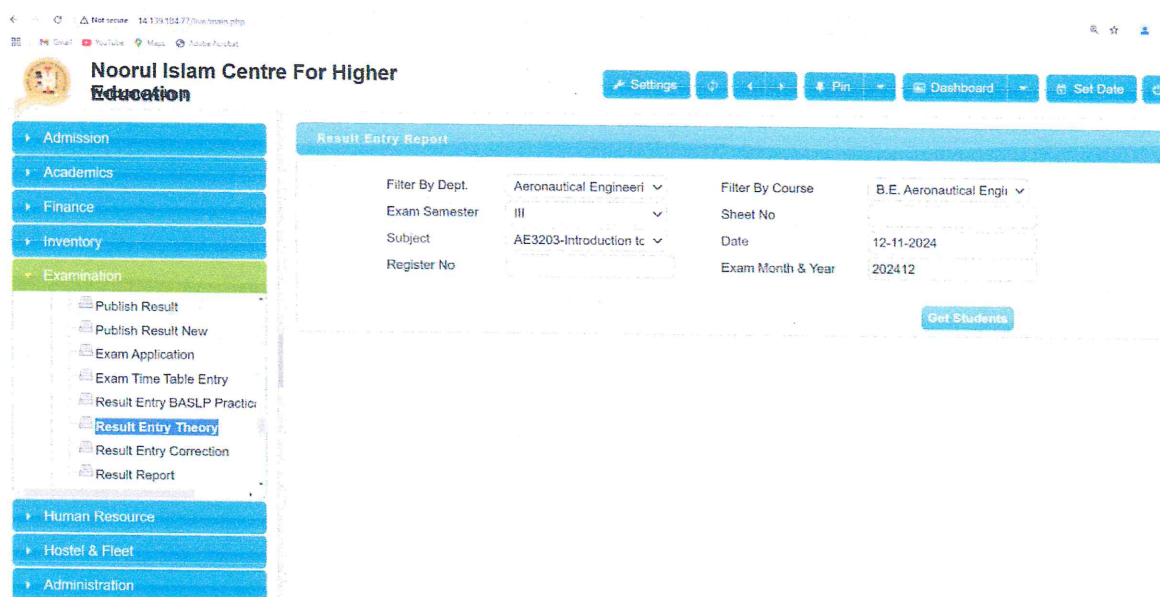


Figure 3.8 Manual Result Entry Interface

Question Bank – Question Creation Interface

The **Question Bank – Question Creation Interface** allows users to efficiently add questions and corresponding answers to the question bank database. This interface provides a user-friendly platform for entering various types of exam questions, along with their correct answers. Users can specify the **difficulty level** of each question, categorizing them as easy, moderate, or difficult, ensuring that

the questions are appropriately tailored for different levels of assessment. Additionally, the interface enables users to organize the questions by **subject** and **unit**, helping to maintain a well-structured and easily navigable database.

This system ensures that all questions are systematically categorized, making it easier to generate diverse exam papers in the future. By centralizing the question creation process, it not only streamlines the development of exam content but also promotes consistency in question quality and difficulty. The **Question Bank** interface supports a seamless process of building a comprehensive question pool that can be drawn upon when creating tests, quizzes, or exams, ensuring that the university's assessment system remains organized and efficient.

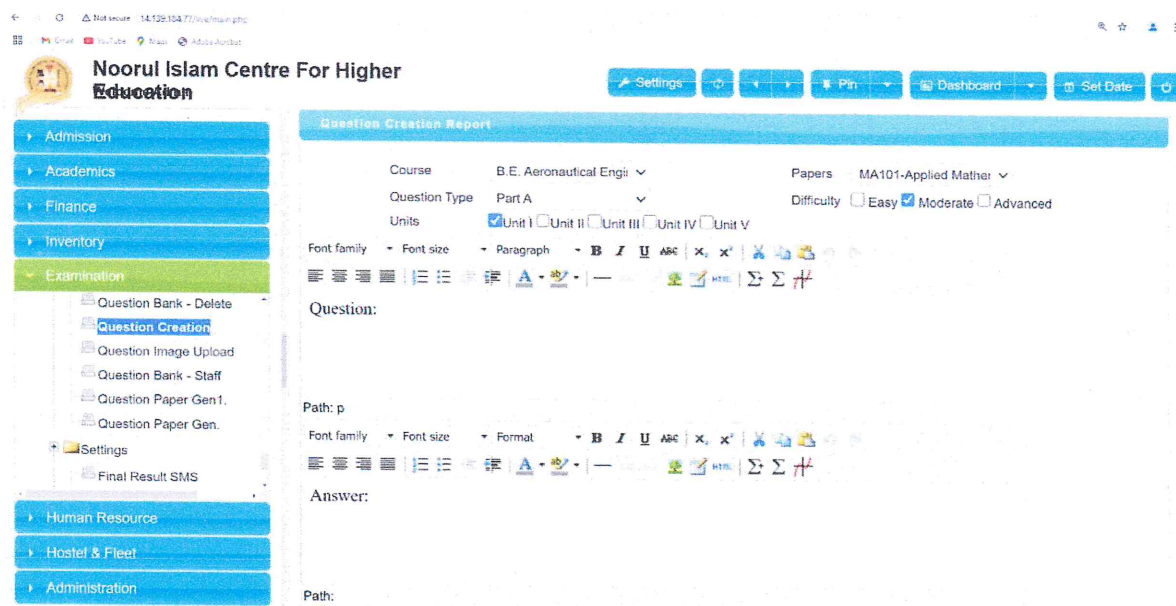


Figure 3.9 Question Bank – Question Creation Interface

Automatic Exam Question Generation Interface – From Question Bank

The **Automatic Exam Question Generation Interface – From Question Bank** allows users to efficiently generate university exam questions directly from the question bank. This interface provides an intuitive option to select the number of questions for each section of the exam, allowing for customized exam paper creation based on the desired structure. Additionally, users can define the

maximum marks allocated to each question, ensuring that the exam paper meets the required marking scheme and level of difficulty.

By automating the question generation process, this interface simplifies the creation of diverse exam papers, saving time and reducing the risk of manual errors. It ensures that the questions are evenly distributed across different sections and topics, providing a balanced and fair assessment. The flexibility to adjust the number of questions and their mark distribution allows administrators to tailor exam papers according to specific requirements, while still maintaining alignment with the curriculum and learning objectives. Overall, the **Automatic Exam Question Generation Interface** streamlines the exam creation process, making it faster, more organized, and consistent with academic standards.

Noorul Islam Centre For Higher Education

Question Paper Report

Start | Part A | Part B | Part C | Finish

Title		Max Mark	
Course Details		Hours	
Semester		Regulations	
Course	Select Any Course	Paper	No Paper available

No. of question in Part A

EitherOr	
Mark for each question	0
Unit I	0
Unit II	0
Unit III	0
Unit IV	0
Unit V	0
No Of Questions	0
No Of Questions To Answer	0

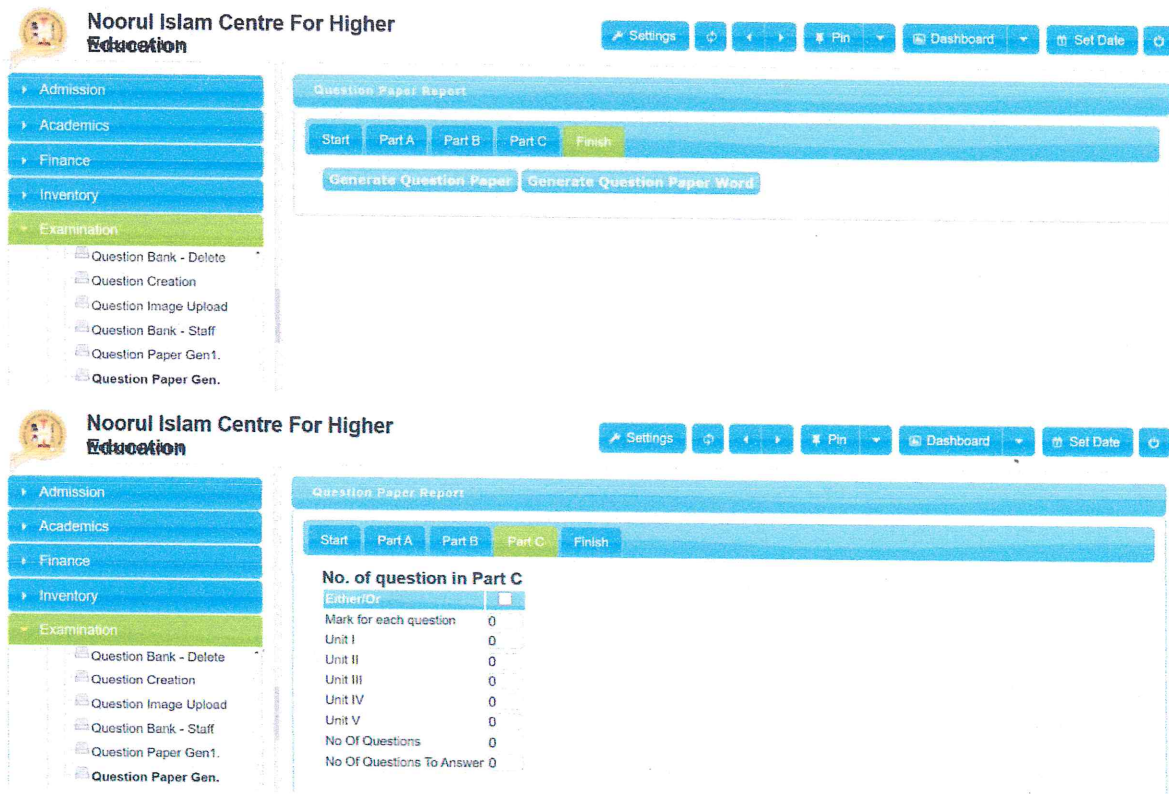


Figure 3.10 Exam Question Generation Interface – From Question Bank

Publish University Examination Result

The **Publish University Examination Result** feature allows users to officially release the examination results and triggers the background processes necessary for updating internal records. Once the exam results have been finalized and reviewed, this function enables administrators to publish the results for student access. The system automatically updates the relevant internal databases, ensuring that all academic records reflect the newly published results.

This feature streamlines the result publication process by automating the data synchronization across different modules, reducing the chances of discrepancies or errors. Additionally, it provides a seamless transition from result preparation to final publication, ensuring that all necessary updates are made to student profiles, grade books, and other related records. By managing the entire process from result publication to internal data updates, this feature ensures that the university's examination management system runs efficiently and accurately,

providing students with timely access to their results while maintaining integrity across the institution's academic records.

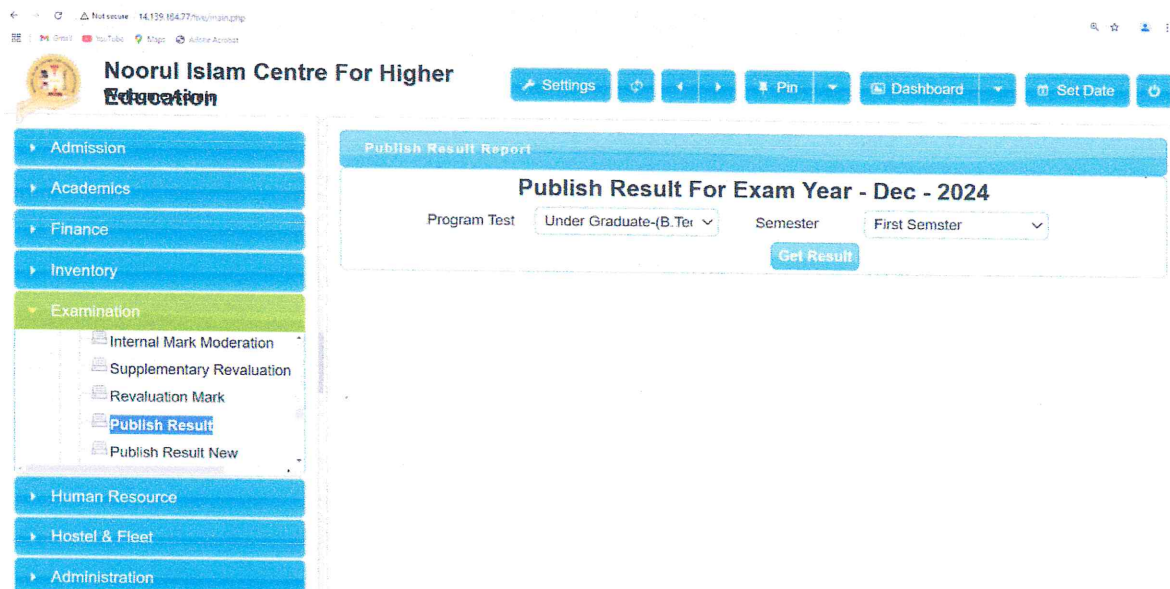


Figure 3.11 Publish University Examination Result – Interface

Revaluation Application Form – Interface

The **Revaluation Application Form – Interface** allows users to generate revaluation application forms for students who wish to request a revaluation of their exam results. This interface simplifies the revaluation process by enabling administrators to create and manage application forms efficiently. It also provides the functionality to generate the revaluation exam fee for each student applying for the revaluation, ensuring that all necessary financial requirements are met before the process proceeds.

Once the application form is generated, students can submit their revaluation requests, and the system automatically calculates the applicable fees based on the university's policies. This streamlines the process, reducing manual effort and minimizing the risk of errors. The interface helps ensure that all revaluation applications are properly documented, and the fees are accurately recorded, facilitating smooth and transparent management of the revaluation process. By

centralizing both the form generation and fee calculation within one interface, this feature enhances the overall efficiency and organization of revaluation management, ensuring a smooth and timely experience for both students and administrators.

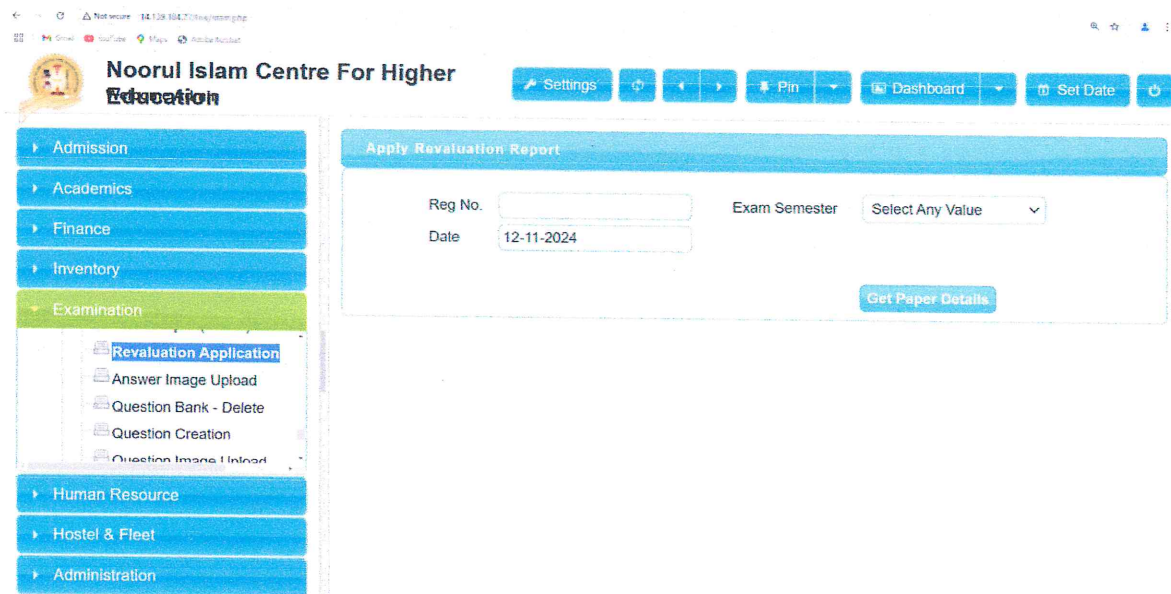
The screenshot displays the Noorul Islam Centre For Higher Education ERP interface. On the left is a sidebar menu with categories like Admission, Academics, Finance, Inventory, Examination (highlighted), Human Resource, Hostel & Fleet, and Administration. Under 'Examination', 'Revaluation Application' is selected. The main content area is titled 'Apply Revaluation Report' and contains a form with fields for 'Reg No.', 'Date' (set to 12-11-2024), and 'Exam Semester' (a dropdown menu set to 'Select Any Value'). A 'Get Paper Details' button is located at the bottom right of the form.

Figure 3.12 Revaluation Application Form – Interface

Revaluation Mark Entry

The **Revaluation Mark Entry Interface** allows users to input the marks awarded to candidates following the revaluation of their exam papers. This interface facilitates the accurate recording of revised marks, ensuring that any changes made after the revaluation process are reflected in the system. Once the revaluation is completed, administrators can manually enter the updated marks for each student, ensuring that their academic records are accurately adjusted.

The interface is designed to streamline the revaluation process by allowing easy entry of revised marks, ensuring that the necessary updates are made swiftly and accurately.

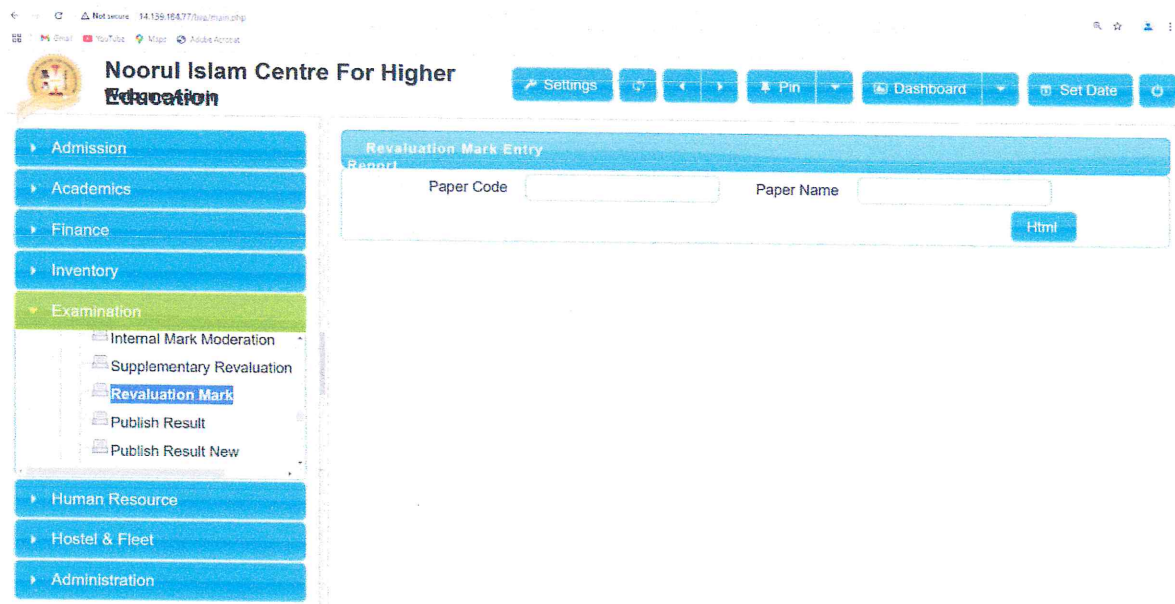


Figure 3.13 Revaluation Mark Entry Interface

University Examination Setting – Interface

The University Examination Setting – Interface allows users to configure essential details for university examinations, including the exam month and year, fee structures, and revaluation guidelines. This interface provides a centralized platform for Controller of Examinations to set up and manage key parameters related to the examination process. By specifying the exam month and year, users can ensure that the system is aligned with the academic calendar, while the fee details section enables the configuration of exam fees and any associated charges. Additionally, the revaluation settings allow administrators to define the rules and fees for revaluation requests, ensuring that all necessary procedures are in place. By consolidating all these settings in one place, the interface enhances organization and ensures that the examination system runs smoothly and accurately.

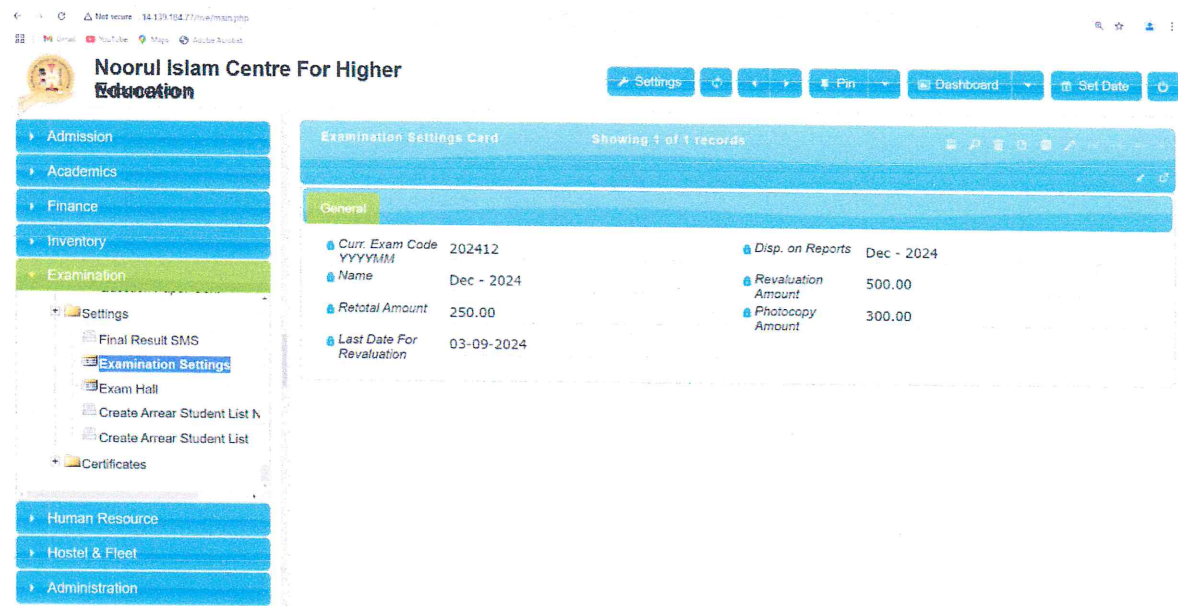


Figure 3.14 University Examination Setting – Interface

Pre Examination Batch Process Interface

The **Pre Examination Batch Process Interface** enables the system to automatically update the arrear table and other relevant tables based on the most recent marks. This interface plays a crucial role in preparing the system for upcoming examinations by ensuring that all academic records are up to date. When marks are updated, the system triggers an automatic update of the arrear table, reflecting any changes in a student's exam status, such as whether they have cleared previous arrears or still have pending subjects. Additionally, the interface updates other related tables, ensuring that the entire student database accurately reflects the most current academic performance. By automating this process, the **Pre Examination Batch Process Interface** reduces manual effort and potential errors, ensuring that all records are correct and ready for the examination cycle. This streamlines administrative tasks and ensures that the examination process runs efficiently.

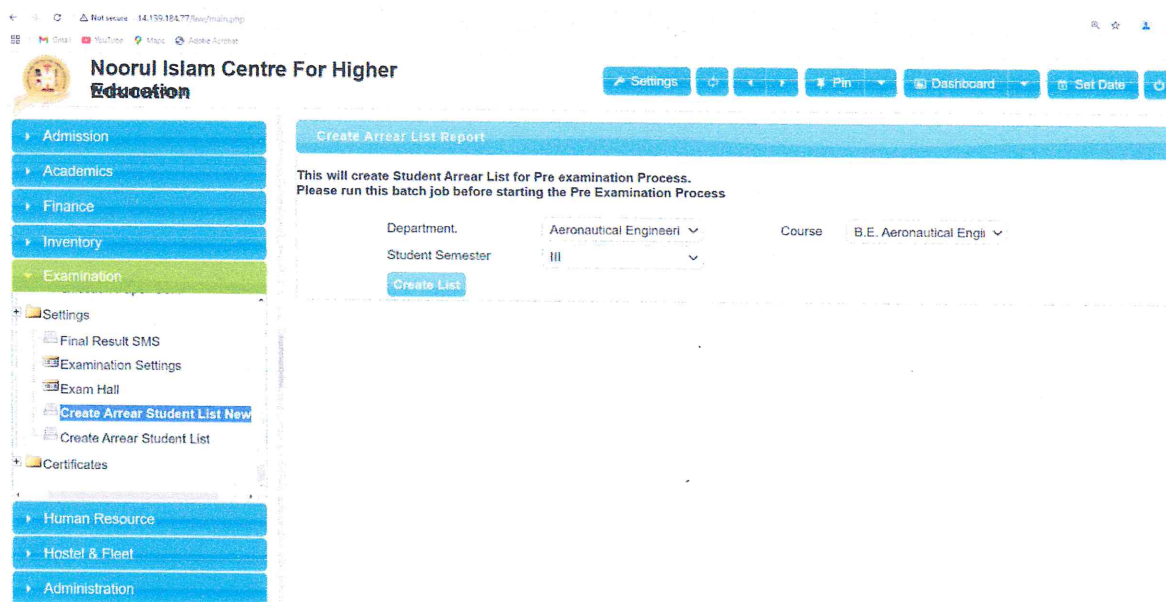


Figure 3.15 Pre Examination Batch Process Interface

Examination Nominal Roll Report

The **Examination Nominal Roll Report** allows the Controller of Examinations (COE) to generate a comprehensive list of all students eligible to appear for the University Examination. This report includes essential details such as the student's name, register number, subject codes, and other relevant information needed for the examination process. The nominal roll serves as an official record of the students who are scheduled to sit for the upcoming exams, ensuring that all participants are accounted for and that their details are accurately recorded. By generating this report, the COE can easily track and verify the eligibility of each student, helping to prevent discrepancies or issues during the examination process. The **Examination Nominal Roll Report** is generated in an organized manner, providing a clear and easily accessible overview of the entire list of eligible students. This report is essential for planning and coordinating various exam-related activities, such as seating arrangements, hall allocation, and preparing attendance sheets. The inclusion of subject codes and other examination details ensures that the students' exam schedules are properly managed and that all the necessary paperwork is in place. This automated

process reduces administrative errors and saves time, ensuring the smooth execution of the examination. By centralizing all the necessary information in a single report, the COE can efficiently manage and oversee the examination process, providing a streamlined approach to handling student participation and related documentation.

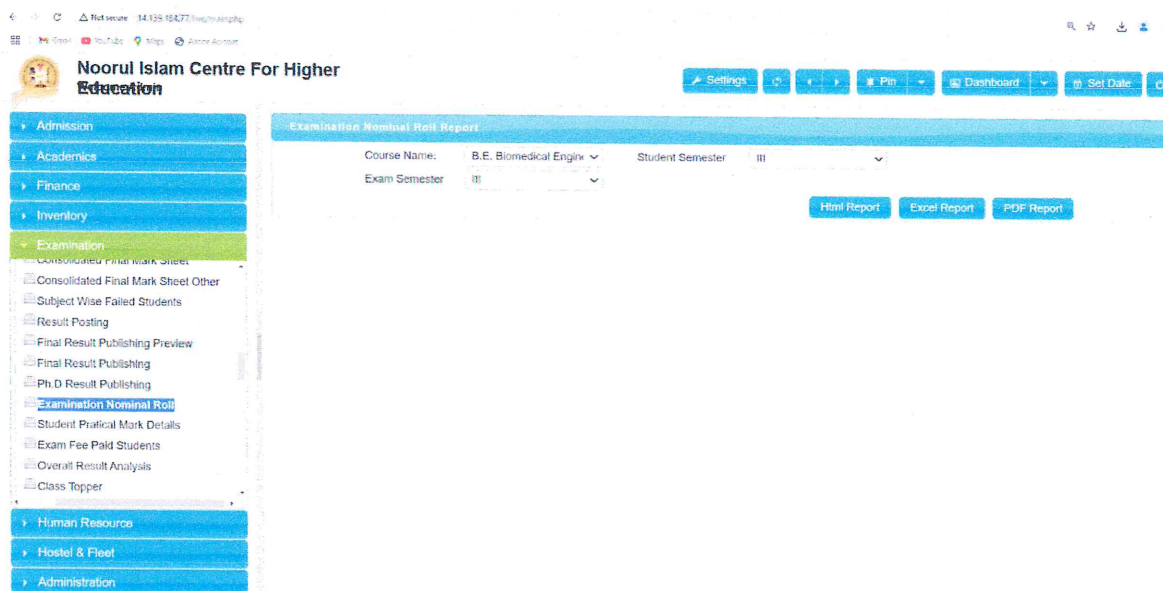


Figure 3.16 Examination Nominal Roll Report

Hall Ticket Generation Interface

The **Hall Ticket Generation Interface** allows users to generate hall tickets for students who have successfully paid their examination fees. This interface, located under the Reports tab in the Examination module, streamlines the process of issuing hall tickets. Once students have cleared their examination fee requirements, the system enables COE to easily generate and print hall tickets, which serve as proof of registration for the examination. The interface ensures that only eligible students, whose fee payments have been processed, receive their hall tickets. By automating this process, the system reduces administrative workload and the risk of errors, ensuring that all students are accurately accounted for before the examination. The **Hall Ticket Generation Interface**

simplifies the preparation for exams, providing an efficient way to manage and issue hall tickets while ensuring smooth and organized exam logistics.

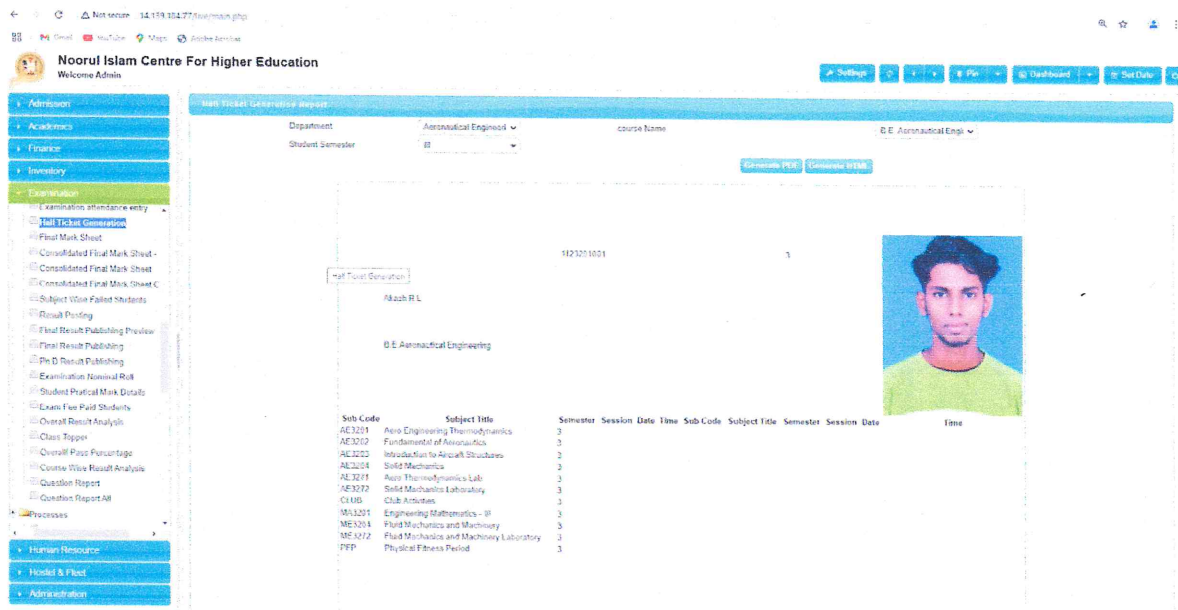


Figure 3.17 Hall Ticket Generation Interface

Final Result Report Generation Interface

The **Final Result Report Generation Interface** allows the Controller of Examinations (COE) to generate an Excel report of examination results on a course-wise basis. This functionality simplifies the process of compiling and distributing examination results, providing an organized and easily accessible format for further processing. The generated Excel report contains detailed information about each student's performance, including individual marks, subject codes, and overall outcomes. This report is crucial for departmental use, as it can be shared with faculty and department heads for announcing the examination results to students. The system ensures that the results are presented in a clear, structured manner, making it easier for the departments to review and disseminate the information accurately. By automating the result report generation, this interface not only saves time but also reduces the risk of errors that could occur in manual data entry. Furthermore, the Excel format offers flexibility, allowing for easy manipulation and analysis of the data if

required. The **Final Result Report Generation Interface** streamlines the process of result distribution, enabling the COE to quickly generate and share the final examination results with the appropriate departments. This ensures a smooth and efficient process for announcing the results, improving overall administrative efficiency and ensuring that the results are made available to students in a timely and organized manner.


Noorul Islam Centre For Higher Education

[Settings](#)
[Pin](#)
[Dashboard](#)
[Set Date](#)

- Admission
- Academics
- Finance
- Inventory
- Examination
 - Consolidated Final Mark Sheet Oth
 - Subject Wise Failed Students
 - Result Posting
 - Final Result Publishing Preview
 - Final Result Publishing**
 - Ph.D Result Publishing
 - Examination Nominal Roll
 - Student Pratical Mark Details
- Human Resource
- Hostel & Fleet
- Administration

Final Result Posting Report

Department: Aeronautical Engineeri Course: B.E. Aeronautical Engi
Student Semester: III Semester: II
Student Status: ACTIVE
Date: 12-11-2024 Calculate SGPA For Failed Students ☒

[Get Students](#)



NICHE
Noorul Islam Centre For Higher Education
(Deemed to be University under section 3 of UGC Act 1956)
Kumaracoli, Thuckalay, K.K.Dist, Pin-629 180.

Date of publication: 12-11-2024
Month & Year: Dec - 2024
Course & Branch: B.E. Aeronautical Engineering
Semester: 2

Reg No.	Name	Sex	Subject & Marks																Tot.Cr	Cr.Erd	SGPA	CGPA														
			ME3201				ME3101				MA3102				EG3102								BE3173				BE3171									
			IM	UM	Tot	Gr	Res	IM	UM	Tot	Gr	Res	IM	UM	Tot	Gr	Res	IM	UM	Tot	Gr	Res	IM	UM	Tot	Gr	Res	IM	UM	Tot	Gr	Res				
1123201001	Akash R L	M	21	47	68	C	P	23	59	82	A	P	21	48	69	C	P	18	38	56	D	P	22	71	93	S	P	22	73	95	S	P	22	22	7.64	7.37
			BE3101				AE3101																													
			18	38	56	D	P	21	60	81	A	P																								
1123201002	Akshay G	M	20	50	70	C	P	20	38	58	D	P	15	49	64	C	P	16	46	62	C	P	23	68	91	S	P	16	39	55	E	P	22	19	7.00	6.60
			BE3101				AE3101																													
			13	17	30	R	RA	19	53	72	B	P																								
1123201003	Daniha Singh D	F	23	71	94	S	P	24	62	86	A	P	24	69	93	S	P	21	62	83	A	P	23	71	94	S	P	23	74	97	S	P	22	22	9.27	8.60
			BE3101				AE3101																													
			23	53	76	B	P	22	62	84	A	P																								
1123201004	Harini S	F	24	64	88	A	P	24	63	87	A	P	25	74	99	S	P	25	65	90	A	P	25	74	99	S	P	23	67	90	A	P	22	22	9.41	9.21
			BE3173				BE3171																													
			24	71	95	S	P	24	75	99	S	P																								

Figure 3.18 Final Result Report Generation Interface

Statement of Mark Sheet Interface

The **Statement of Mark Sheet Interface** allows users to generate semester-wise mark sheets for each student. This report is generated on a course-by-course basis, providing a detailed breakdown of a student's academic performance throughout their studies. The interface ensures that marks are accurately recorded for each semester, giving a clear overview of a student's progress in their chosen course. By generating these statements, administrators can easily track and provide official documentation of students' achievements for each academic period. The report includes all relevant details, such as subject marks, grades, and overall performance, enabling both students and faculty to access comprehensive academic records.

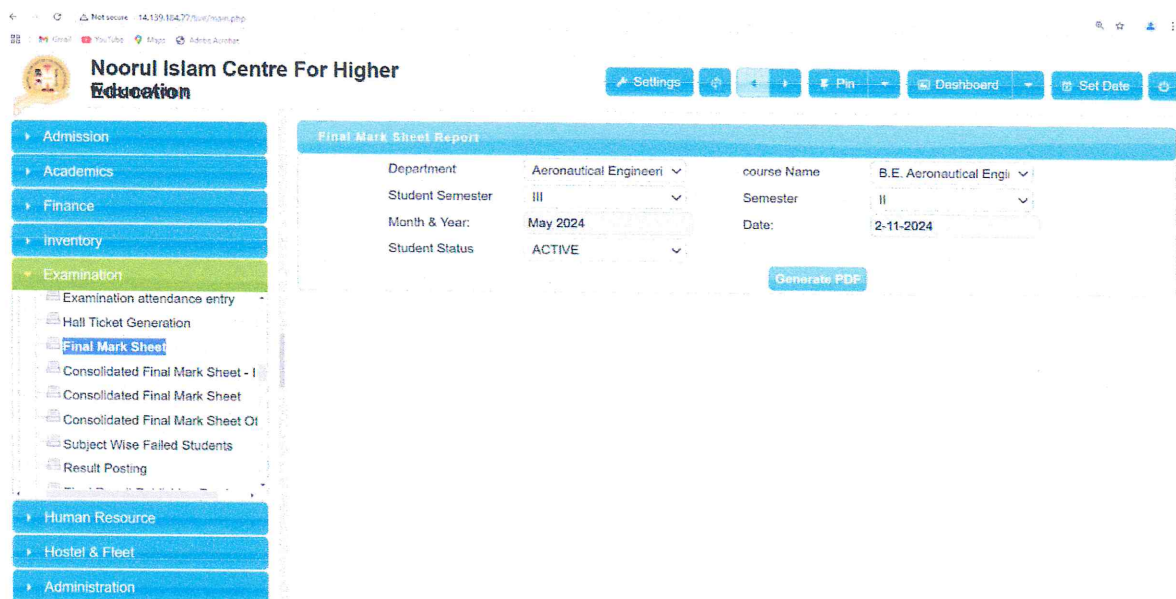


Figure 3.19 Statement of Mark Sheet Interface

Consolidated Final Mark Sheet Interface

The Consolidated Final Mark Sheet Interface allows the Controller of Examinations (COE) to generate a comprehensive PDF report of consolidated mark sheets on a course-wise basis. This report is specifically generated for students who have successfully completed their course of study and have cleared all the required papers. The consolidated mark sheet serves as a final academic

record for these students, summarizing their performance across all subjects included in their course. It provides a holistic view of the student's academic achievements, reflecting the results of each examination taken during the course. The system ensures that only those students who have met all the necessary criteria—i.e., passed all papers and completed the required coursework—are included in the consolidated mark sheet generation process. This feature streamlines the process of issuing final academic records, making it easier for the COE to manage and issue the documents for graduating students. Additionally, the generated report can be directly printed or shared with students in a secure, professional format, ensuring accuracy and consistency in the final documentation of their academic journey. By automating the consolidation of marks, this interface reduces administrative effort, eliminates the risk of errors, and ensures that students receive their final academic credentials in a timely manner. The Consolidated Final Mark Sheet Interface helps to efficiently manage the release of final marks for students who have completed their course requirements, ensuring smooth and accurate documentation of academic progress.

The screenshot displays the 'Consolidated Final Mark Sheet Report' interface. On the left is a sidebar menu with categories: Admission, Academics, Finance, Inventory, Examination (highlighted), Human Resource, Hostel & Fleet, and Administration. Under 'Examination', options include Final Mark Sheet, Consolidated Final Mark Sheet - I, Consolidated Final Mark Sheet (selected), Consolidated Final Mark Sheet Oth, and Subject Wise Failed Students. The main content area features a form with the following fields: Department (Aeronautical Engineeri), course Name (B.E. Aeronautical Engi), Academic Year (2021-2022), Date (12-11-2024), and Year of Passing (202405). A 'Generate PDF' button is located at the bottom right of the form. The top of the interface includes a header with the institution's name and a navigation bar with buttons for Settings, Pin, Dashboard, and Set Date.

Figure 3.20 Consolidated Final Mark Sheet Interface

Result Analysis Reports

The Result Analysis Reports feature enables users to generate a variety of analytical reports that provide valuable insights into student performance across different courses and academic periods. These reports include overall result analysis, class-wise toppers, overall pass percentages, and course-wise result breakdowns. By generating these reports on a course-by-course basis, the system offers a comprehensive view of academic performance, highlighting trends, strengths, and areas for improvement. The overall result analysis helps in understanding the general performance of all students, while the class-wise topper report identifies the highest achievers in each class, offering recognition for academic excellence. The overall pass percentage provides a snapshot of the success rate for each batch, helping administrators and faculty assess the effectiveness of the curriculum and teaching methods. Additionally, the course-wise result analysis gives detailed insights into student performance in each subject, helping to pinpoint specific courses where students may face challenges. This feature not only helps in evaluating the academic success of students but also serves as a tool for continuous improvement, ensuring that the institution can make data-driven decisions to enhance the learning experience and overall academic outcomes. By automating the generation of these detailed analysis reports, the Result Analysis Reports module streamlines the process and ensures accurate, up-to-date performance tracking for each course and student cohort.

The screenshot shows the 'Result Analysis Report' interface. On the left is a sidebar with a navigation menu. The 'Examination' menu item is highlighted in green, and its sub-items are listed below it. The main content area contains a form for generating a result analysis report. The form has several dropdown menus and text input fields for specifying the report parameters. At the bottom of the form are two buttons: 'Generate Word' and 'Generate HTML'.

Figure 3.21 Result Analysis Reports – Interface

University Exam Result Intimation Letter

The **University Exam Result Intimation Letter** allows users to generate a PDF report for all students in a particular class, containing their examination results. This report is formatted so that the mark details are displayed on one side of the letter, while the student's address is printed on the reverse side, providing a complete result notification in a convenient, printable format. The interface enables the generation of these letters on a course-wise basis, ensuring that the correct results are assigned to each student in their respective classes. This feature simplifies the distribution of examination results by automatically creating personalized result intimation letters, saving time and reducing administrative effort. The letters can be printed directly from the system, making it easier to distribute results efficiently and accurately to students. With this functionality, administrators can quickly and easily communicate exam outcomes to students, ensuring that each student receives their marks along with official documentation of their performance. Additionally, the system streamlines the process by automatically formatting the report, eliminating the need for manual adjustments or errors, and making it suitable for large-scale result distribution.

The **University Exam Result Intimation Letter** module enhances the efficiency of result dissemination, ensuring that students receive their results in a professional, organized manner while also improving administrative workflow.

Noorul Islam Centre For Higher Education

Settings | Pin | Dashboard | Set Date

Result Letter Report

Filter By Dept. Filter By Course

Student Semester Exam Semester

Date

Generate

Admission | Academics | Finance | Inventory | Examination

Online Exam Questions | Exam Calendar | **Unv Result letter** | Result Letter

Figure 3.22 University Exam Result Intimation - Interface



Noorul Islam Centre for Higher Education
Deemed to be University under section of 3 of UGC Act 1956
Kumaracoil.P.B.No.1.Thucklay,K.K.District,TamilNadu-629 175

PROGRESS & ATTENDANCE REPORT

To

Thiru / Tmt RAJESH T

The Second Semester University Examination Marks secured by your ward AKASH R L,
studying in Second Year B.E. - Aeronautical Engineering are as follows :
(The minimum pass mark is 50)

Sem No.	Sub Code	Subject Title	Marks awarded				
			IM	UM	Tot	Gr	Res
2	AE3101	Aircraft Production Technology	21	60	81	A	P
2	BE3101	Basic Electrical and Electronics Engineering	18	38	56	D	P
2	BE3171	Basic Electrical and Electronics Engineering Laboratory	22	73	95	S	P
2	BE3173	Manufacturing Practices Laboratory	22	71	93	S	P
2	EG3102	Communicative English	18	38	56	D	P
2	MA3102	Engineering Mathematics - II	21	48	69	C	P
2	ME3101	Engineering Graphics	23	59	82	A	P
2	ME3201	Engineering Mechanics	21	47	68	C	P

Attendance Status:For Semester-3(Till Date)

No of Hours Conducted	No of Hours Attended	Percentage	Status
462	372	80.52	Good

Note:

Grade Point:S=10,A=9,B=8,C=7,D=6,E=5,R=Reappear (Fail)

IM = Internal Mark, UM = University Mark,Tot = Total

Gr = Grade, Res = Result

Examination Calendar Report

The Examination Calendar Report provides the Controller of Examinations (COE) with a comprehensive view of the exam timetable in a user-friendly calendar format. This interface allows the COE to easily navigate through the scheduled examination dates and times for all courses and programs. The calendar view enables administrators to quickly identify potential conflicts or overlapping exam schedules, making it easier to plan and adjust the timetable if necessary. In addition to viewing the exam schedule, the interface also allows for the flexibility to add or modify the examination timetable directly within the calendar. This feature simplifies the process of updating or rescheduling exams, ensuring that any changes are efficiently reflected in the system. By centralizing the exam schedule in a calendar format, the system enhances visibility, organization, and ease of management for the COE. The ability to add and modify timetable entries provides greater control over exam scheduling, allowing for real-time adjustments to accommodate unforeseen circumstances or special requirements. This feature also helps ensure that all exams are organized systematically, preventing errors and oversights.

The screenshot displays the 'Examination Calendar Report' interface for Noorul Islam Centre For Higher Education. The interface includes a sidebar with navigation links and a main calendar view for the period of July 28 to August 3, 2024. The calendar shows exam slots with times and course codes.

	Sun 7/28	Mon 7/29	Tue 7/30	Wed 7/31	Thu 8/1	Fri 8/2	Sat 8/3
all-day							
9am							
9:20am							
9:40am							
10am		10:10: SA CT DT PT		10:10: SA PT DT CT		10:00 - 10:00 - SA36 SA36	
10:20am							
10:40am							
11am							
11:20am							
11:40am							
12pm							
12:20pm							
12:40pm							

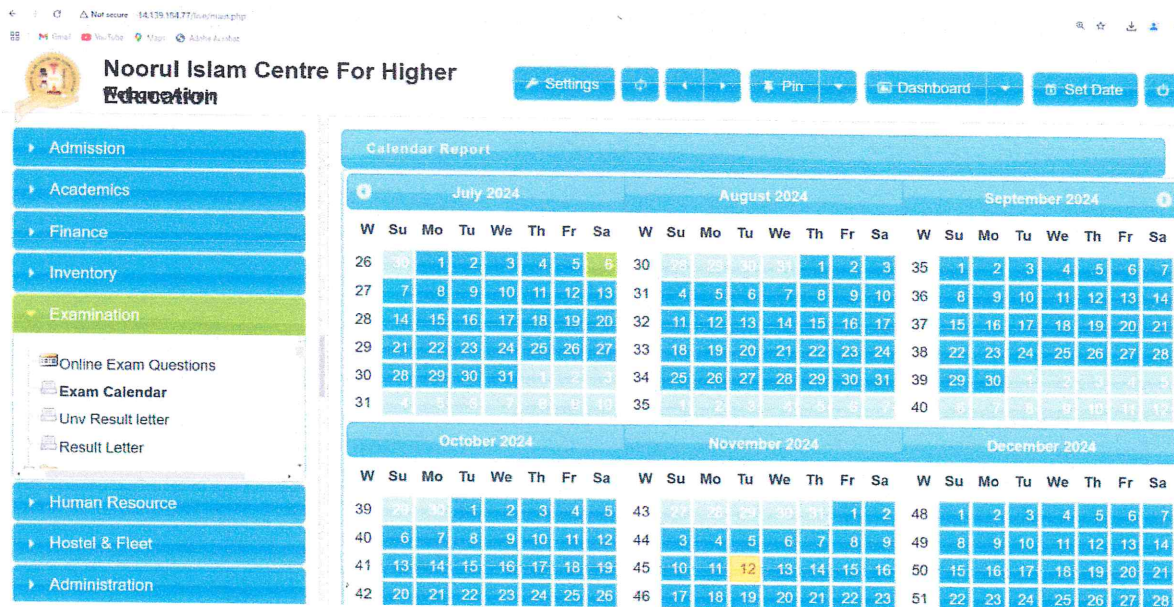


Figure 3.23 Examination Calendar Report – Interface

Course Wise Provisional Certificate Report

The Course Wise Provisional Certificate Report enables the Controller of Examinations (COE) to generate a PDF report for provisional certificates, specifically for students who have successfully completed their course of study without any arrears. This functionality allows the COE to issue provisional certificates to students who have met all the academic requirements and cleared all subjects within the course. The generated report is formatted in such a way that it can be directly printed onto the provisional certificate, ensuring a smooth and efficient process. These provisional certificates serve as a temporary official document for students, confirming their completion of the course requirements while they await the final degree or mark sheet.

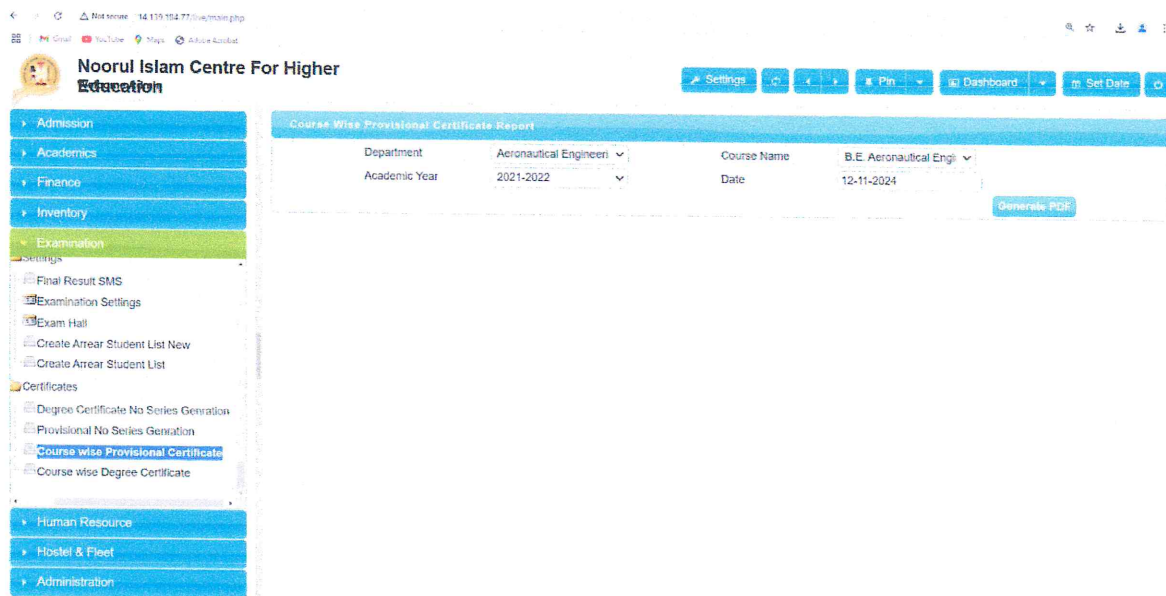


Figure 3.24 Course Wise Provisional Certificate Report - Interface

Course Wise Degree Certificate Report

The Course Wise Degree Certificate Report allows the Controller of Examinations (COE) to generate a PDF report of degree certificates for students who have successfully graduated from the University and completed all academic requirements. This functionality ensures that only those students who have fulfilled the necessary criteria for graduation—such as clearing all subjects and meeting the prescribed academic standards—receive their degree certificate. The generated report is formatted to be directly printed onto the degree certificate, facilitating a seamless and efficient process for issuing official degrees to graduates. The degree certificate serves as the official recognition of the student's academic accomplishments, confirming their successful completion of the program. This report is generated on a course-wise basis, ensuring that all degree certificates are organized and issued correctly according to the specific program or course of study. By automating the generation of degree certificates, the system reduces the administrative burden and minimizes the risk of errors in

the certificate details. It also speeds up the certificate issuance process, ensuring timely delivery to graduates.

The screenshot displays the 'Noorul Islam Centre For Higher Education' software interface. On the left is a sidebar menu with categories: Admission, Academics, Finance, Inventory, Examination (highlighted), Settings, Certificates, Human Resource, Hostel & Fleet, and Administration. Under 'Examination', options include Final Result SMS, Examination Settings, Exam Hall, Create Arrear Student List New, and Create Arrear Student List. Under 'Certificates', options include Degree Certificate No Series Generation, Provisional No Series Generation, Course wise Provisional Certificate, and Course wise Degree Certificate (highlighted). The main area is titled 'Course Wise Degree Certificate Report' and contains a form with the following fields: Department (Aeronautical Engineering), Academic Year (2019-2020), Course Name (B.E. Aeronautical Engg.), Date (12-11-2024), and Month & Year (202305). At the bottom of the form are two buttons: 'Generate PDF' and 'Generate WORD'.

Figure 3.25 Course Wise Degree Certificate Report - Interface

4. NICHE ERP - Finance Module

The finance interface in university automation is designed to manage and track various fee-related activities for students. It facilitates monitoring of tuition fees, exam fees, bus fees, and other charges associated with academic programs. The system allows for the generation of bills and invoices, ensuring accurate and timely fee processing. It also helps in maintaining a clear overview of student financial status, making it easier for both administrators and students to manage payments and financial records. Overall, the interface streamlines financial transactions and enhances efficiency in handling fee-related tasks within the university.

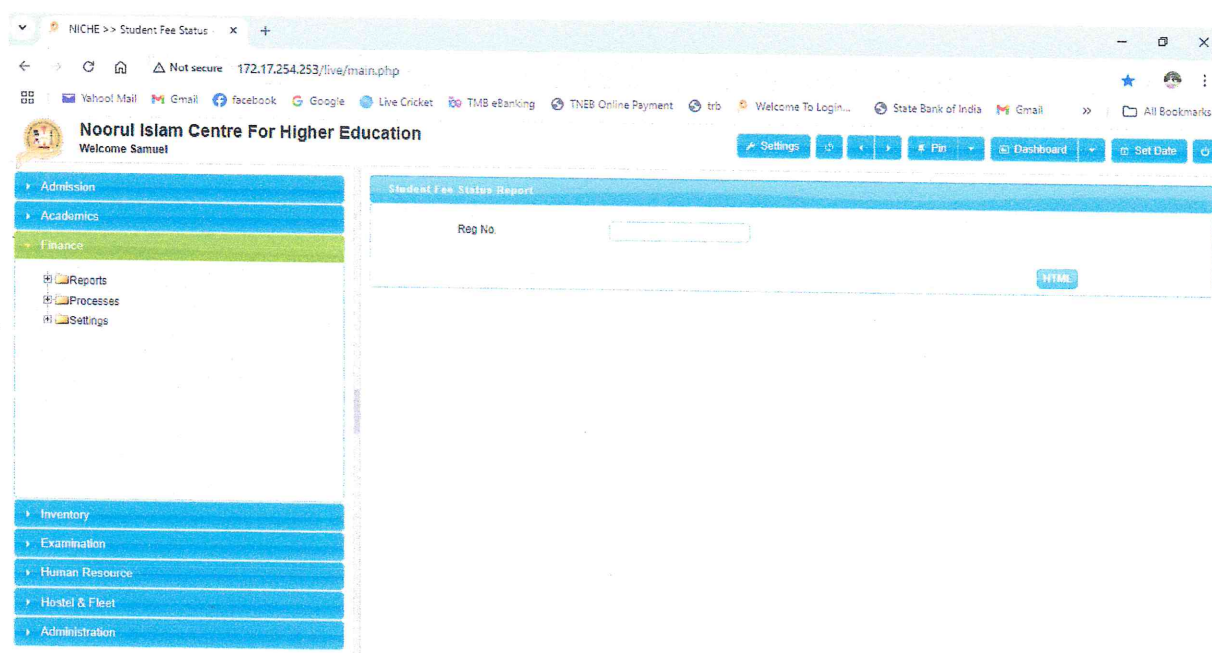


Figure 4.1 Finance Module with tabs – Reports, Process and Settings

Finance – Reports - Student Fee Status

The "Student Fee Status" tab under the finance module provides a comprehensive view of a student's fee details. It allows administrators and students to check the total amount due, the payments made, and the outstanding balance. This feature helps track the current status of fees, including any pending amounts or discrepancies. By displaying up-to-date financial information, it

ensures transparency and simplifies fee management, allowing for easy monitoring of payments and balances. This tab plays a crucial role in maintaining accurate financial records and facilitates timely fee payments within the university system.

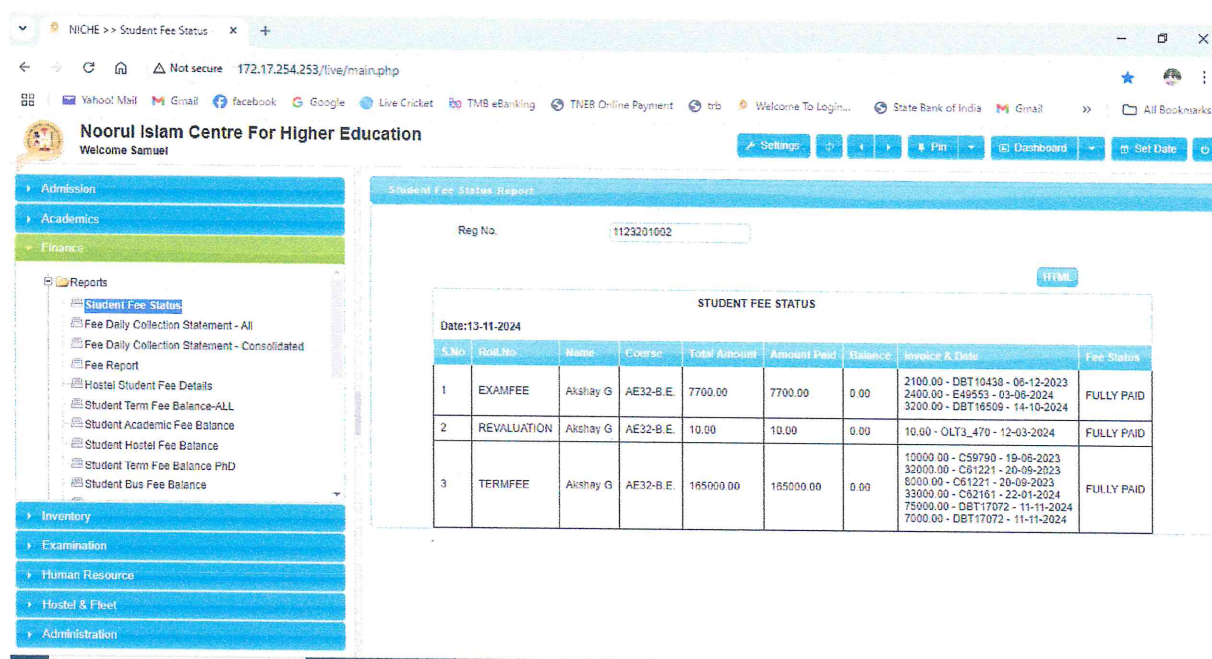


Figure 4.2 Student Fee Status Viewing Interface

Finance – Reports – Fee Daily Collection Statement – All

The "Fee Daily Collection Statement - All" report provides a detailed summary of the fees collected on a given day. It includes student details along with the corresponding amounts paid, offering a clear breakdown of daily transactions. This report highlights the total fees collected during the day, allowing administrators to monitor and track payments efficiently. By consolidating all fee collections into a single statement, it ensures accurate record-keeping and enables easy reconciliation of daily financial activities. This feature is essential for maintaining transparency and providing a comprehensive overview of daily fee collections.

Figure 4.3 displays the 'Fee Daily Collection Statement - All Report' interface. The report is generated for the date 01-10-2024. The interface includes a sidebar with navigation menus (Admission, Academics, Finance, Reports, Inventory, Examination, Human Resource, Hostel & Transport, Administration) and a main content area displaying a table of fee collections. The table lists 10 entries with columns for Sl. No., Reg. No., Name, Course, Branch, Semester, Bill No., Description, and Amount. Subtotals are provided for groups of entries.

Sl. No.	Reg. No.	Name	Course	Branch	Semester	Bill No.	Description	Amount
1	1115514043	Nithin P	MBA	Business Administration	4	E49828	Transcript Fee	500.00
2						pay_code		
3	1123306003	Shajin S M B.E.	Civil Engineering		4	DBT15009	Towards 2024 8-SEM EXAM LATE FEE	4100.00
		Sub Total	4600					
4	1115514043	Nithin P	MBA	Business Administration	4	C65009	Other Income	100.00
5						pay_code		
6	9639633333	NICHE Other Income	Other	Other Income	0	DBT15004	Other Income	50000.00
		Sub Total	50100					
7	1121510002	Genofer R	M.E.	Communication Systems	2	C65010	Transfer Certificate Fee	300.00
8						pay_code		
		Sub Total	300					
9	1123202008	Abdul Muhaymin V	B.E.	Aero Space Engineering	3	DBT15009	Tuition Fee	21000.00
10						pay_code		

Figure 4.3 Fee Daily Collection Statement – All

Finance – Reports – Fee Daily Collection Statement - Consolidated

The "Fee Daily Collection Statement - Consolidated" provides a summary of fees collected under each category or head. It consolidates the total amounts received across various fee types, offering a clear overview of daily collections. This report helps in tracking and reconciling fees efficiently across different payment categories.

Fee Daily Collection Report - Consolidated

Date: 01-08-2024

Sl No	Fee Head	Amount
1	Synopsis Submission Fee	40000
2	Transport Fees	54300
3	Tuition Fee	937500
4	Bus Fee - One Day	1450
5	Academic Auxiliary Fee	102500
6	Training Fee	28000
7	NICAS Hostel Income	47000
8	NICAS Transport Income	44350
9	Towards SEM - 2 For Revaluation/Retotal/PhotoCopy	500
10	Hostel Admission Fee	10000
11	Mess Charges	54000
12	Room Rent	54000
Grand Total		1373600

Fee Daily Collection Statement - Consolidated

Figure 4.4 Fee Daily Collection Statement – Consolidated Interface

Finance – Reports – Fee Report

The fee report is used to track the amount paid by students and the outstanding balance remaining. It provides a clear summary of payments made and the amounts still due, helping administrators and students monitor financial status and ensure timely settlement of fees.

Fee Report

Fee Type: TERM FEE

Filter By Status: ☒ Paid ☐ Not Paid

Filter By Dept: ☒ Aeronautical Engineer

Filter By Course: ☒ M.E. Aeronautical Eng

PDF Output HTML Output

Reg No.	Batch No	Name	Fee Paid
Aeronautical Engineering			
1123501001	AE501	Renith K M	50000.00
1123501002	AE502	Sibin Stephen	50000.00
1124501001	AE501	Megha SA	7000.00
1124501002	AE502	Rijo R	7000.00

Figure 4.5 Fee Report Interface

Finance – Reports – Hostel Student Fee Details

The "Hostel Student Fee Details" section provides information about the fees for students residing in the hostel. It includes the total fee amount, payments made, and detailed billing information, offering a comprehensive overview of each student's hostel fee status and payment history.

Hostel Student Fee Details Report

Filter By: ALL Academic Year: 2023-2024 Semester: 1

Buttons: PRINT, VIEW, EXCEL

Date: 13-11-2024

HOSTELER LIST

S.No	Roll No	Name	Course	Total Amount	Amount Paid	Balance	Last Invoice & Date	Fee Status
Sex : MALE								
1	1124228001	Aedil Muhammed V S	AC32-B.E. Aircraft Maintenance Engineering	77000.00	41000.00	36000.00	H21493 / 04-09-2024	PARTLY PAID
2	1124228002	Abhishek S	AC32-B.E. Aircraft Maintenance Engineering	77000.00	50000.00	27000.00	DBT15570 / 04-09-2024	PARTLY PAID
3	1124228004	Aidan Prince	AC32-B.E. Aircraft Maintenance Engineering	101000.00	53000.00	48000.00	DBT15009 / 14-08-2024	PARTLY PAID
4	1124228005	Athulkrishna K B	AC32-B.E. Aircraft Maintenance Engineering	77000.00	77000.00	0.00	H21446 / 12-11-2024	FULLY PAID
5	1124228007	Gowtham Krishna T A	AC32-B.E. Aircraft Maintenance Engineering	77000.00	50000.00	27000.00	DBT15567 / 04-09-2024	PARTLY PAID
6	1124228008	Martandil M R	AC32-B.E. Aircraft Maintenance Engineering	77000.00	50000.00	27000.00	DBT15440 / 02-	PARTLY

Figure 4.6 Hostel Student Fee Details Report Interface

Finance – Reports – Student Term Fee Balance-ALL

The "Student Term Fee Balance All" interface provides a comprehensive breakdown of students' outstanding fee balances, organized by department and semester. This tool allows administrators to easily track and manage unpaid fees for each student across various academic terms. Additionally, the interface includes specific sections for different types of fees, such as Student Academic Fee Balance, Hostel Fee Balance, Bus Fee Balance, Lab Fee Balance, and Exam Fee Balance. Each section offers detailed information on the respective fee categories, helping ensure accurate tracking and timely payment across all areas of student financial obligations.

Student Term Fee Balance ALL Report

Filter By Dept: Aeronautical Engineeri Filter By Course: B.E. Aeronautical Engi
Semester: 1

STUDENT TERM FEE LIST

Date: 13-11-2024

S.No	Roll No	Name	Course	Total Amount	Amount Paid	Balance	Invoice & Date	Fee Status
1	1124201001	Akhaya Rajesh	AE32-B.E. Aeronautical Engineering	94000.00	1.00	93999.00	1.00 - C64842 - 22-09-2024	PARTLY PAID
2	1124201002	Ananthanarayanan O	AE32-B.E. Aeronautical Engineering	84000.00	10000.00	84000.00	10000.00 - DBT14636 - 26-07-2024	PARTLY PAID
3	1124201003	Arya C J	AE32-B.E. Aeronautical Engineering	94000.00	1.00	93999.00	1.00 - C64669 - 22-09-2024	PARTLY PAID
4	1124201004	Ashmita K	AE32-B.E. Aeronautical Engineering	94000.00	1.00	93999.00	1.00 - C64912 - 24-09-2024	PARTLY PAID
5	1124201005	Dhana Rasheed	AE32-B.E. Aeronautical Engineering	94000.00	1.00	93999.00	1.00 - C64810 - 22-09-2024	PARTLY PAID
6	1124201006	Joshua S S	AE32-B.E. Aeronautical Engineering	94000.00	84000.00	10000.00	10000.00 - C62550 - 01-04-2024 10000.00 - C63309 - 19-06-2024 90000.00 - C63309 - 19-06-2024	PARTLY PAID

Figure 4.7 Student Term Fee Balance Interface

Finance – Reports – Fee Daily Collection Statement – Cash

The "Fee Daily Collection Statement - Cash" interface provides a detailed report of fees paid through cash transactions at the cash counter. It tracks the total cash collected on a given day, along with individual payment details. Additionally, the interface offers the option to generate reports for fees collected through various other payment methods, such as bank transfers, online payments, and cheques. This feature allows administrators to monitor and reconcile all payment types efficiently, ensuring accurate financial tracking and a comprehensive overview of daily fee collections across different modes of payment.

Sl No.	Reg No.	Name	Course	Branch	Semester	Fee No.	Description	Amount
1	1115514043	Nithin P	MBA	Business Administration	4	E49828	Transcript Fee	500.00
2						pay_code		
		Sub Total	500					
3	1115514043	Nithin P	MBA	Business Administration	4	C65009	Other Income	100.00
4						pay_code		
		Sub Total	100					
5	1121510002	Genofer R	M.E.	Communication Systems	2	C65010	Transfer Certificate Fee	300.00
6						pay_code		
		Sub Total	300					
7	1123209004	Jerishan W	B.E.	Electrical and Electronics Engineering	3	C65013	Duplicate ID-CARD	300.00
8						pay_code		
		Sub Total	300					
9	1124507034	Nithin San S M	BCA	Computer Applications	1	C65014	Tuition Fee	3000.00
10						pay_code		
		Sub Total	3000					
11	0630653333	Other	Other	Other Income	0	C65012	Bus Fee	2500.00

Figure 4.8 Fee Daily Collection Statement Interface

Finance – Process – Equivalency Certificate Fee Gen

The tabs ends with "Fee Gen" interface is designed to generate fees for various academic and administrative categories. It simplifies the process of fee calculation and billing for a wide range of services required by students. Key categories include Viva Voce, Special DC, Thesis Late Fee, Transcript Fee, PhD Compliance Fee, and Synopsis Submission Fee. The interface also covers fees for important documents and certificates such as Duplicate Hall Ticket Fee, Migration Certificate Fee, Duplicate Mark sheet Fee, Genuine Certificate Fee, Duplicate Provisional Certificate Fee, and Provisional Fee. Additionally, it includes fees for the Academic Backlog Certificate and other related academic services. This comprehensive system allows universities to manage fee generation efficiently, ensuring accurate billing for each service or certificate requested by students. By streamlining the fee generation process for multiple categories, the "Fee Gen" interface helps maintain clear financial records and offers a seamless experience for students and administrators alike.

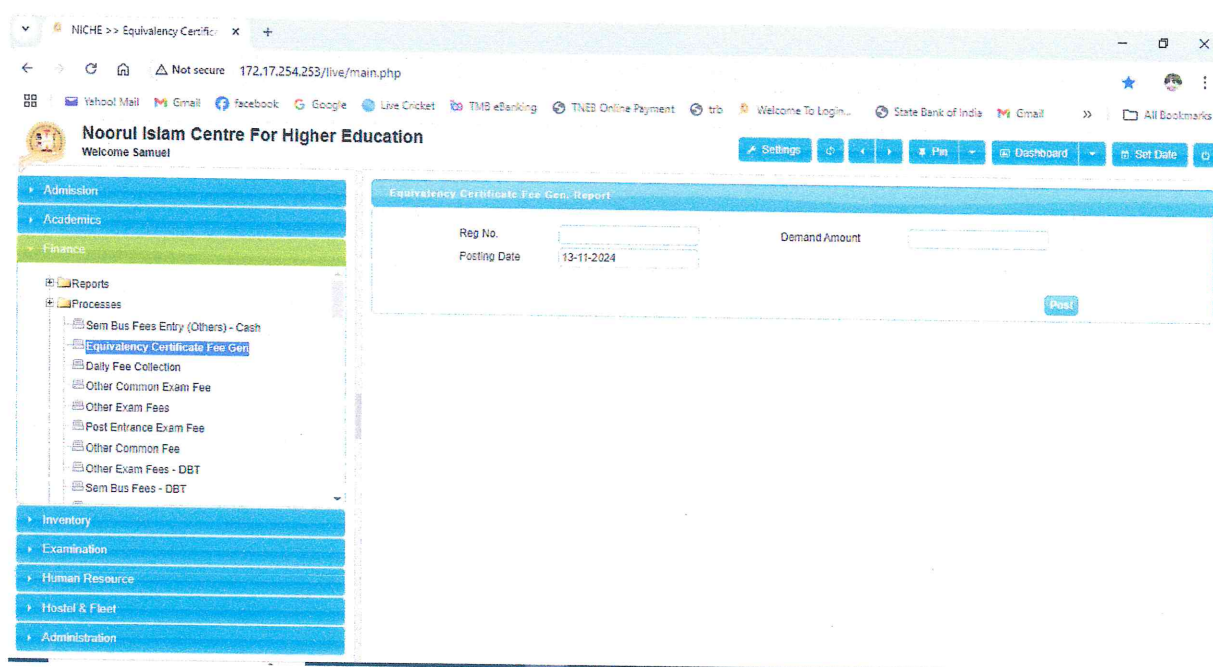


Figure 4.9 Equivalency Certificate Fee Gen

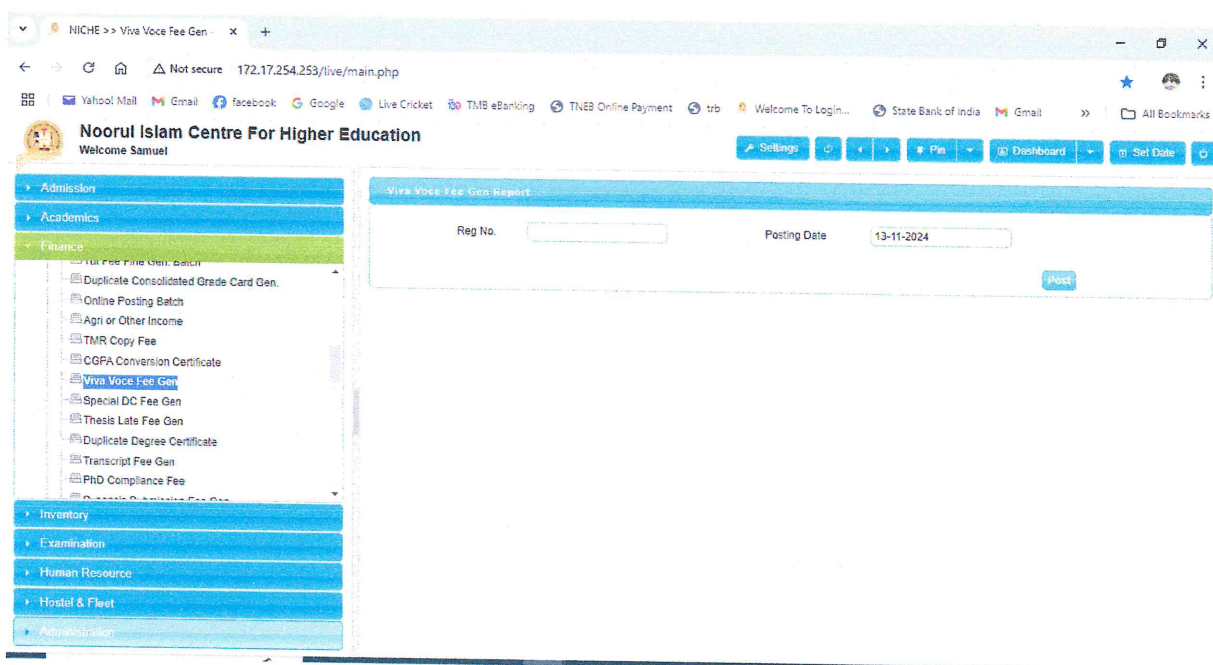


Figure 4.10 Viva Voce Fee Generation Interface

Finance – Process – Exam Fee Gen. Batch

The "Exam Fee Gen Batch" is used to generate exam fees for students, organized by class and semester. This interface allows administrators to efficiently calculate and assign exam fees based on the specific class and semester each student belongs to. It streamlines the process of fee generation, ensuring that the correct amounts are charged for each student according to their academic term. By categorizing fees by class and semester, the system simplifies fee management and ensures accurate billing for exam-related costs. This tool enhances the efficiency of fee administration within the university's financial system.

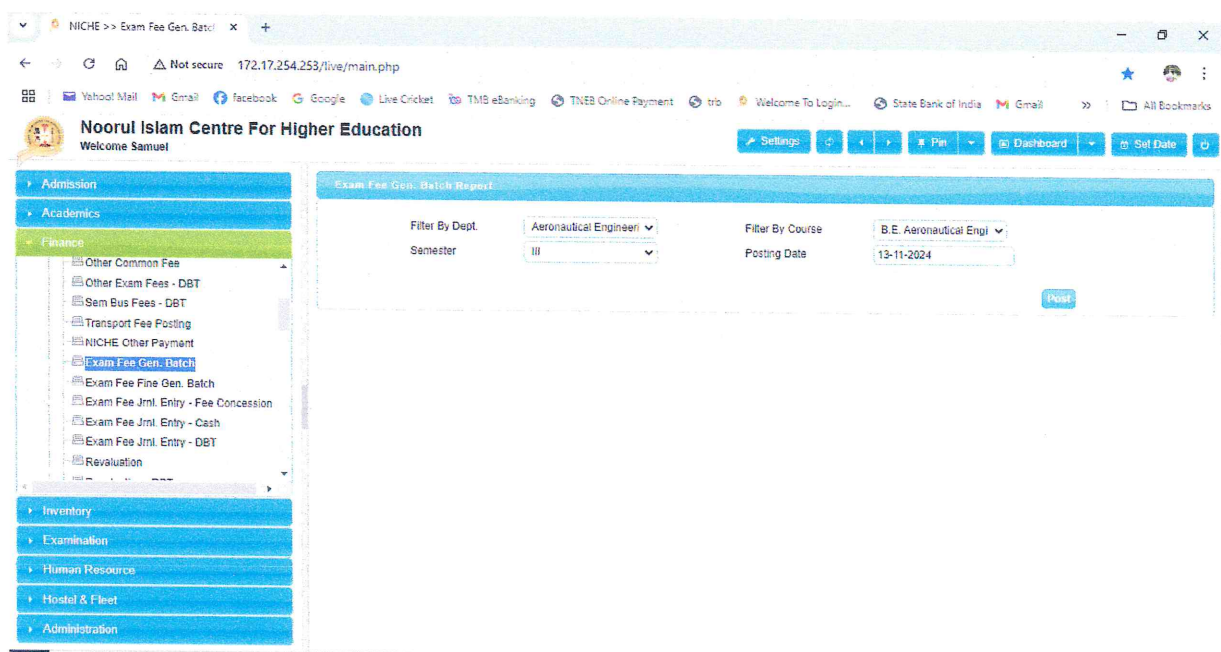


Figure 4.11 Exam Fee Generation Interface

Finance – Process – Exam Fee Fine Gen. Batch

The "Exam Fee Fine Gen. Batch" interface is used to generate fines for students who fail to pay their exam fees by the designated deadline. It automatically calculates and applies the fine amount only for those students who have missed the payment deadline.

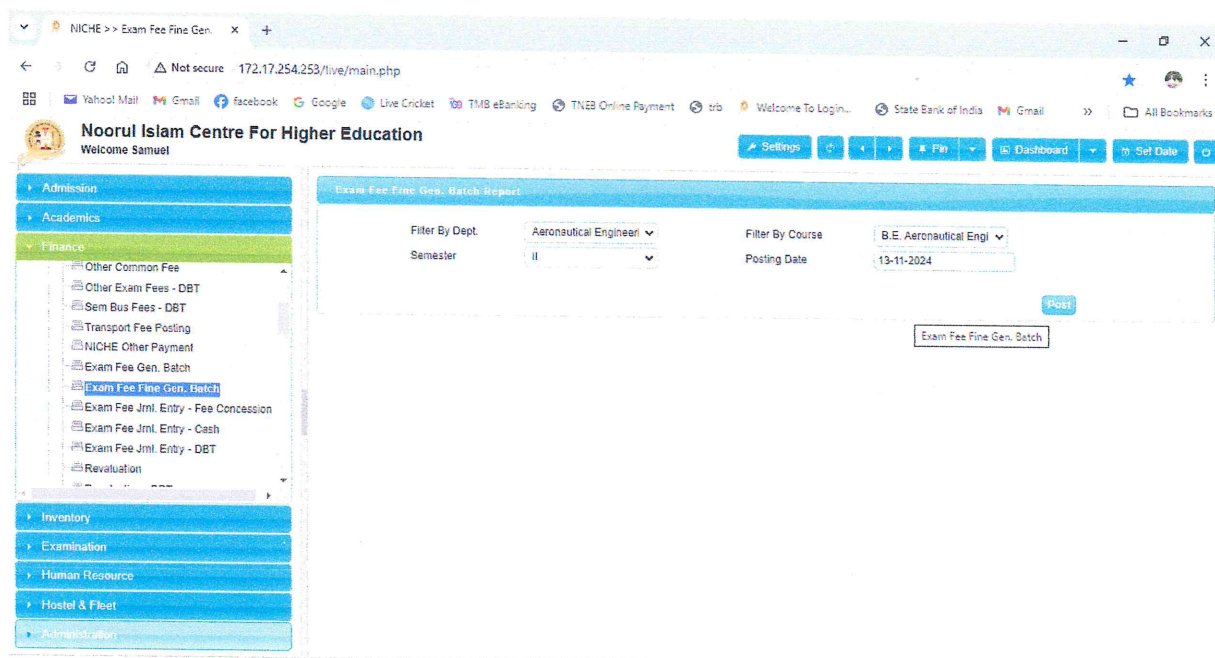


Figure 4.12 Exam Fee Fine Generating Interface

Finance – Process – Exam Fee Jrnl. Entry – Cash

The "Exam Fee Jrnl. Entry - Cash" interface is used to record exam fees paid by students through direct cash payments. This interface allows administrators to post cash payments accurately into the system. Additionally, it provides options to record fees paid through various other payment methods, such as bank transfers or online payments. Based on the amount paid, the system automatically generates corresponding bills, ensuring accurate financial tracking. This interface streamlines the fee posting process, enabling the university to maintain up-to-date financial records and generate detailed bills for students, reflecting payments made through different payment channels.

Figure 4.13 Exam Fee Entry – Cash Interface

Figure 4.14 Exam Fee Entry Direct Bank Transfer Interface

Finance – Process – Agri or Other Income

The "Agri or Other Income" interface is used to generate bills for income generated from non-tuition sources, such as agricultural activities or other miscellaneous revenues. It helps in accurately recording and billing amounts

from these alternative sources, ensuring proper financial tracking and documentation of all income streams.

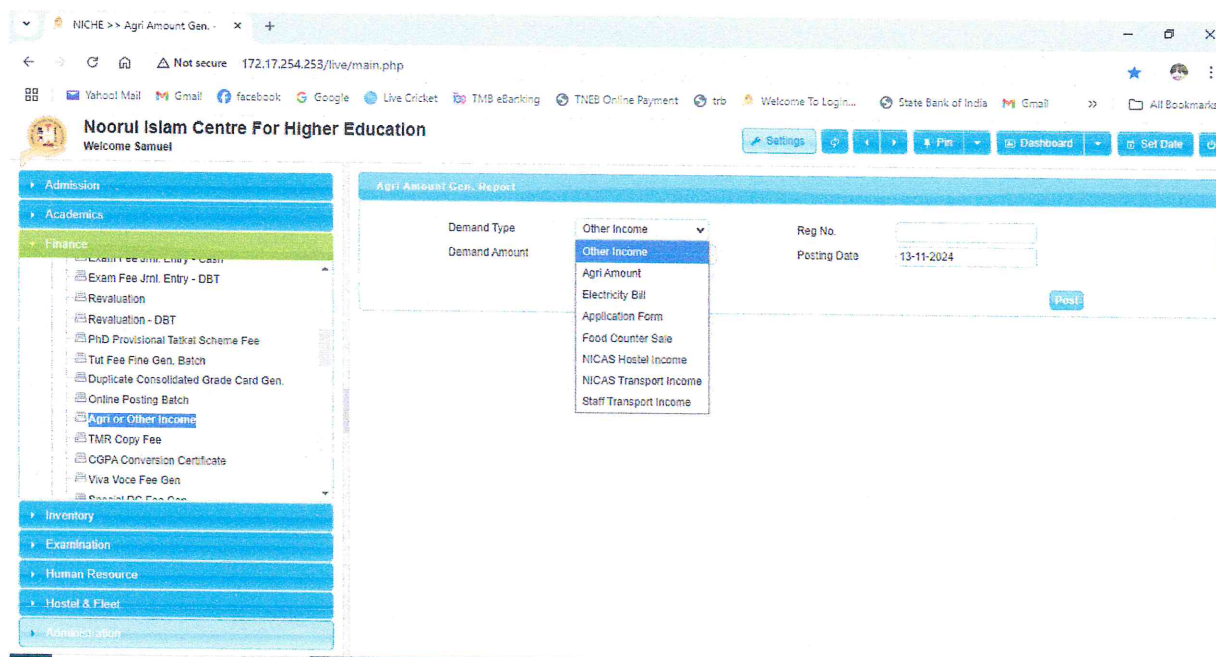


Figure 4.15 Agri or Other Income Interface

Finance – Process – Bill Reprint

The "Bill Reprint" interface allows users to print a duplicate copy of an existing bill by entering the corresponding bill number. This feature provides a quick and efficient way to retrieve and print previously issued bills, ensuring easy access to duplicate documentation when needed.

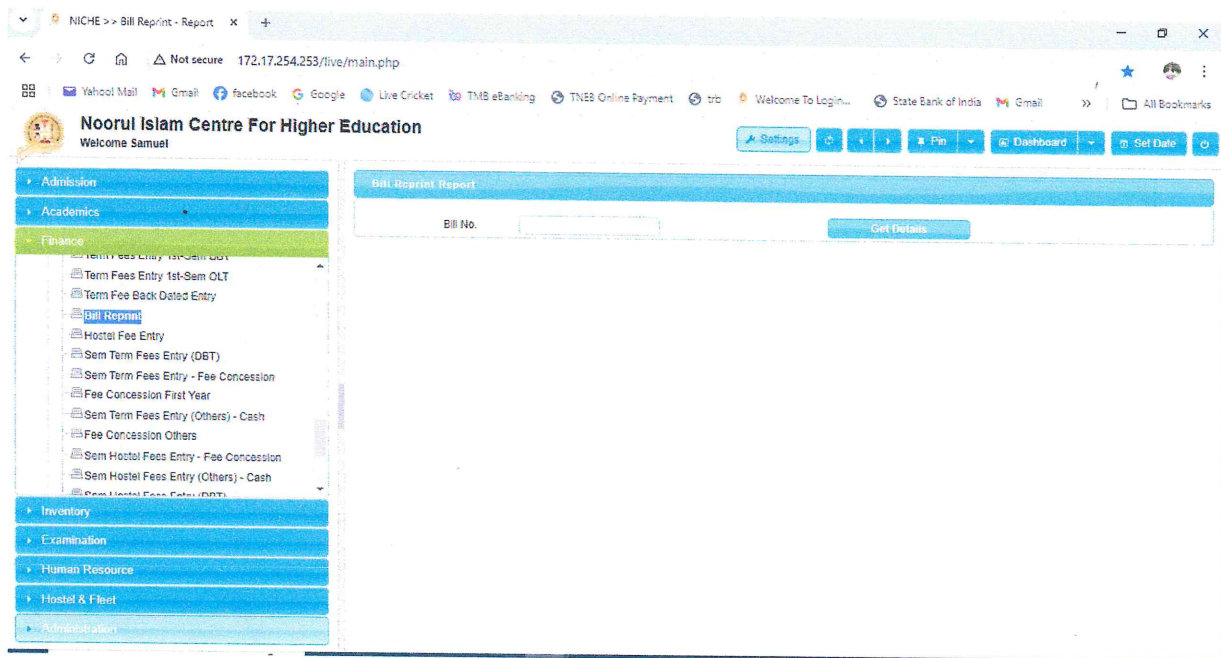


Figure 4.16 Bill Reprint Interface

Finance – Process – Sem Term Fees Entry (DBT)

The "Sem Term Fees Entry (DBT)" interface is used to record bills for students who have paid their fees via Direct Bank Transfer (DBT). This interface ensures that payments made through bank transfers are accurately posted in the system. Additionally, the system provides separate interfaces for posting payments made through various other transaction modes for different fee categories. For example, there are distinct interfaces like "Sem Hostel Fees Entry (Others) - Cash" and "Sem Hostel Fees Entry (DBT)," allowing administrators to record payments for hostel fees or other charges based on the specific payment method used. This structure ensures accurate and organized fee management across multiple payment types.

The screenshot shows the 'Term Fee Journal Entry (Others) Report' interface. On the left is a sidebar menu with categories like Admission, Academics, Finance, Inventory, Examination, Human Resource, and Hostel & Fleet. The 'Finance' section is expanded, showing various fee entry options, with 'Sem Term Fees Entry (DBT)' selected. The main form area contains the following details:

- Roll No.:** 1124201001
- Candidate Name:** Aishaya Rajesh
- Work Date:** 13-11-2024
- Get Details** button

Date	Description	F. P.	Amount	Cr/Dr
22-09-2024	Tuition Fee	☐	84999.00	Dr.
22-09-2024	Academic Auxiliary Fee	☐	9000.00	Dr.

Amount: 0.00

Post Fee button

Figure 4.17 Semester Term Fees Entry (DBT) Interface

Finance – Settings – Fee Heads

The "Fee Head" interface is used to create and manage fee categories within the system. It allows administrators to define different fee heads for various charges, such as tuition fees, hostel fees, exam fees, and others. The interface includes fields to specify the fee code, fee head description, fee type, and other relevant details. This helps in categorizing and organizing different fee types, ensuring that each charge is accurately defined and recorded. By setting up fee heads, the system allows for streamlined fee management, accurate billing, and easy tracking of financial transactions across multiple fee categories.

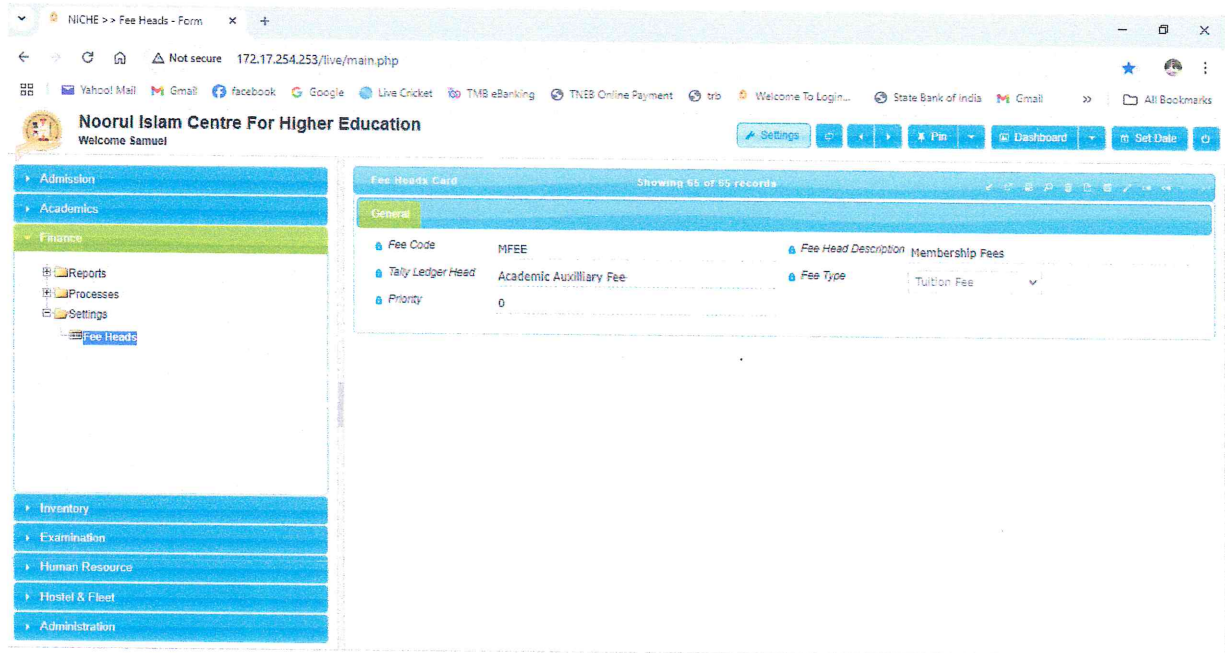


Figure 4.18 Fee Heads Interface

5. NICHE ERP - Human Resource Management Module

The Human Resource Management (HRM) Module in NICHE ERP is designed to simplify and automate essential HR processes, making employee management more efficient and organized. This module encompasses several key functions to support effective management of the institution's workforce, including employee data management, attendance tracking, payroll administration, and more. Each function is categorized into specific sub-modules to ensure seamless operation.

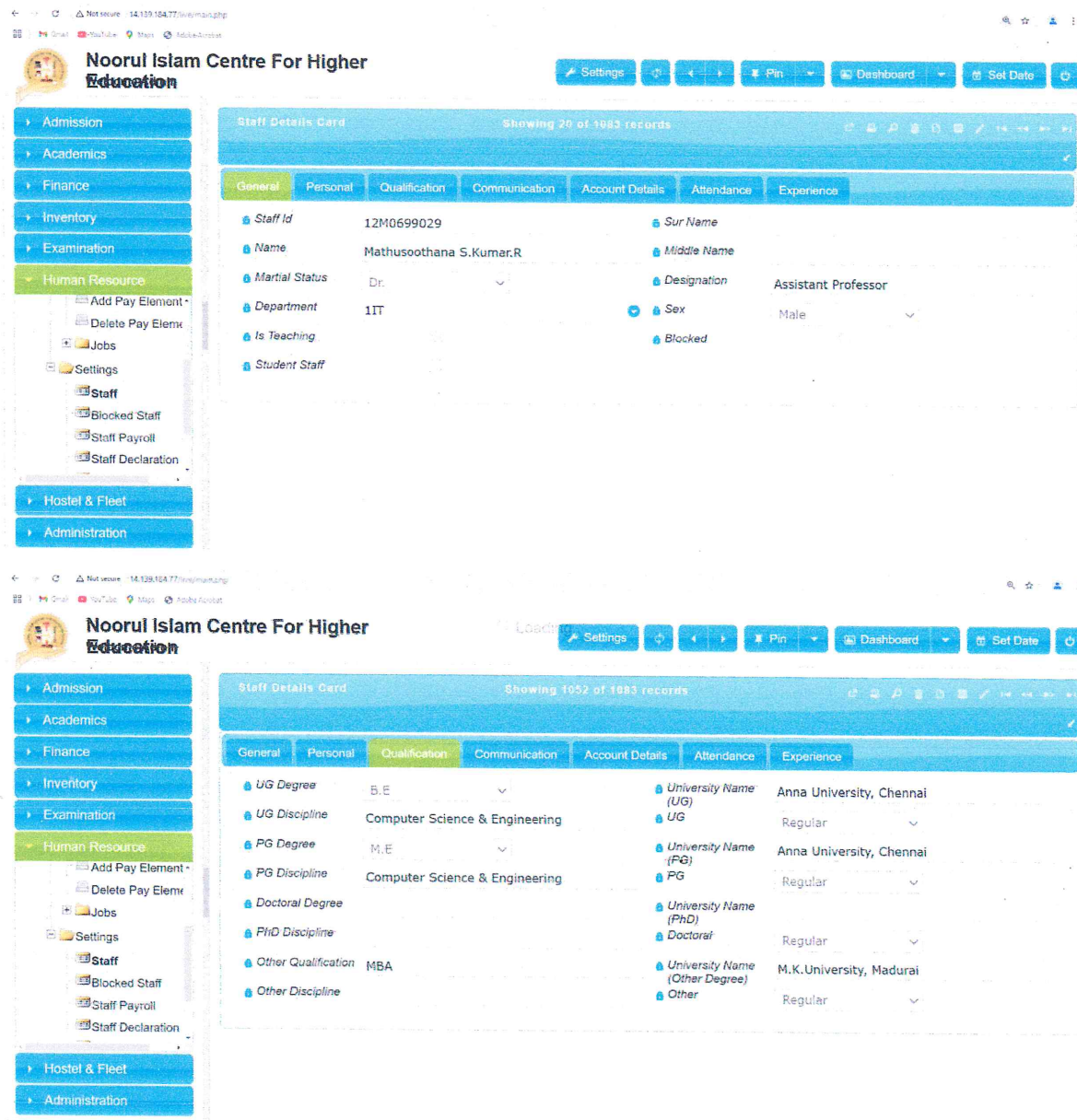


Figure 5.1 Staff Details Interface

Add New Employee: This function allows HR staff to add new employees to the system with essential details like name, position, department, qualifications, and joining date. Once added, each employee has a unique profile within the ERP, which can be updated with additional information as needed.

Block Employee: If an employee is on extended leave, suspended, or has left the institution, this function allows HR to temporarily or permanently block their profile. Blocking an employee restricts their access to internal systems and ensures accurate record-keeping.

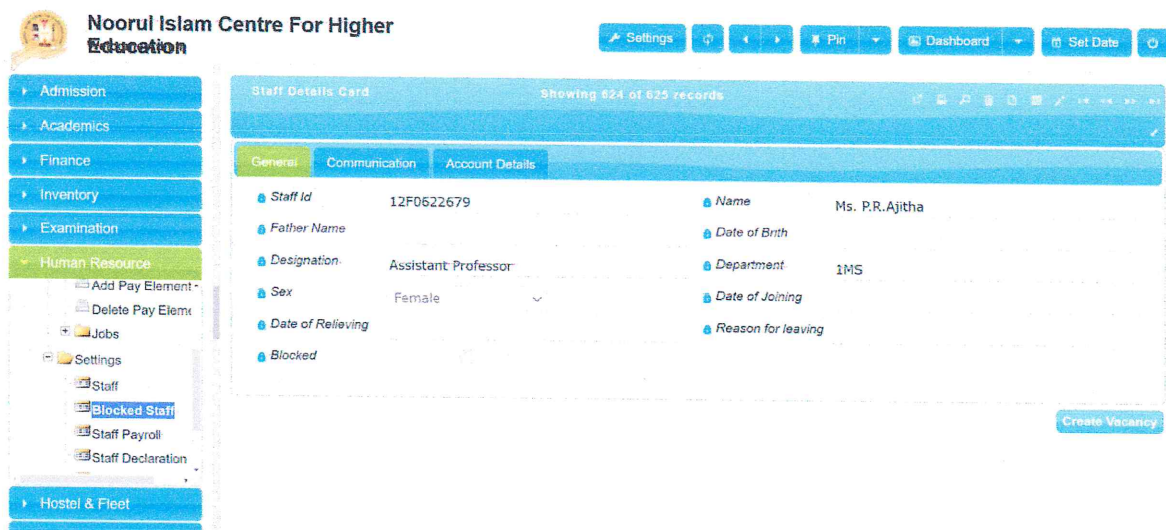


Figure 5.2 Blocked Staff Details Interface

Attendance Interface

The **Attendance Monitoring** function in the HRM Module enables tracking daily attendance for all employees, using manual entry. Attendance data can be viewed in real time, giving managers insights into attendance trends, absenteeism, and punctuality. This information can be used for reporting purposes and can also be accessed by employees for personal attendance tracking.

The screenshot shows the 'Register Type Attendance Report' interface. On the left is a sidebar menu with categories like Admission, Academics, Finance, Inventory, Examination, Human Resource, and Administration. The 'Human Resource' section is expanded, showing options like Reports, Processes, Staff Attendance, Import Staff Atten, Mass Block, Add Pay Element, Delete Pay Elem, and Jobs. The main area has filters for 'Register Type' (Department Register) and 'Department' (Electronics and Comm), with a 'Date' of 13-11-2024. A 'Get Staff List' button is present. Below is a table of staff attendance data.

Fore Noon PR/AB/CL/OD/SL	After Noon PR/AB/CL/OD/SL	Staff ID	Staff Name	Staff Code
☒	☒	12F0795013	Santhi.N	NSR
☒	☒	12M0793005	Vinod Kumar.R.S	RSV
☒	☒	12F0698023	Amala Santhi.S	SAS
☒	☒	12M0405076	Gopalakrishnan, T.	TGK
☒	☒	12F0608175	Shahi, D	DSH
☒	☒	12F0708184	Mary Synthuja Jain Preetha	MSJ
☒	☒	12F0109192	Sony.M	MSY
☒	☒	12M0809234	Subash.N	NSU
☒	☒	12M0211325	Rajesh, K.P	KPR
☒	☒	12F0211326	Vijula Grace, K.S.	KSV
☒	☒	14M1098015	Shibu Kumar R.	
☒	☒	14M0800019	Sreekumar.S	
☒	☒	14M0906032	Jebin Bright B.	
☒	☒	14M1010076	Franklin	

Figure 5.3 Staff Attendance Posting Interface

Staff Payroll Details

The **Payroll Management** feature provides a streamlined approach to managing employee salaries and benefits. The payroll system automatically calculates salaries based on attendance, leaves, deductions, and allowances, ensuring accurate and timely salary disbursement. Additionally, this feature manages salary slips, tax deductions, and provident fund contributions, which can be reviewed by employees through the portal.

The screenshot shows the 'Payroll Reader Card' and 'Pay Roll' interface. The 'Payroll Reader Card' shows details for Staff ID 12M0897017, Name Shajin Nargunam.A, Designation Professor, and Department ICS. The 'Pay Roll' table shows a list of payment elements with their amounts and markers.

Payment element id	Type	Function/Formula	Amount	Marker
IT	Fixed		1000.00	Normal
HRA	Fixed		1400.00	Normal
BL	Fixed		0.00	Normal
CON	Fixed		0.00	Normal
ACR	Fixed		36500.00	Normal
SPLA	Fixed		0.00	Normal
BUS	Fixed		0.00	Normal
PAY	Variable		37400.00	Normal

Figure 5.4 Staff Payroll Management Interface

Hostel Management System Module

The **Hostel Management System Module** in NICHE ERP is designed to efficiently manage hostel accommodations, room assignments, and occupancy details, offering a streamlined approach to handling student residency and related administrative tasks. This module includes several key features organized into specific sub-modules for managing room details, capacity allocation, room allotment, attendance tracking, and report generation.

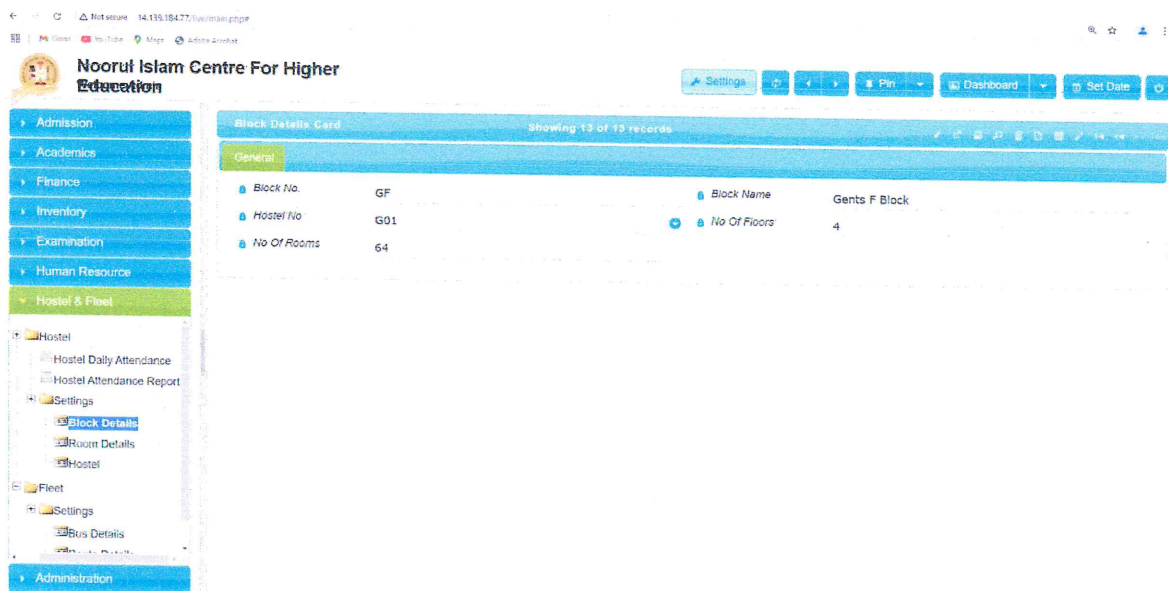


Figure 5.5 Hostel Management System Interface

Room and Capacity Management

- **Add Hostel Room:** This function allows administrators to add new rooms to the hostel database, specifying room numbers, locations (such as floor or wing), and any associated amenities. Each room entry includes details that facilitate easy identification and organization within the hostel.
- **Set Room Capacity:** Administrators can set and modify the capacity of each room, ensuring that rooms are not over-occupied. Capacity settings

allow flexibility to adjust as needed, especially for shared rooms, based on the institution's accommodation policies.

Room Allotment

- **Room Allotment Options:** This feature enables administrators to allocate rooms to students based on availability, room capacity, and other criteria such as student preferences or specific requirements. The system also provides automated room allotment based on predefined rules, simplifying the task of assigning rooms to incoming students.
- **Room Change and Transfer:** This option allows for easy reallocation or transfer of students between rooms if needed, helping administrators handle special requests or adjust for new room allocations without disrupting existing occupancy records.

Attendance Tracking

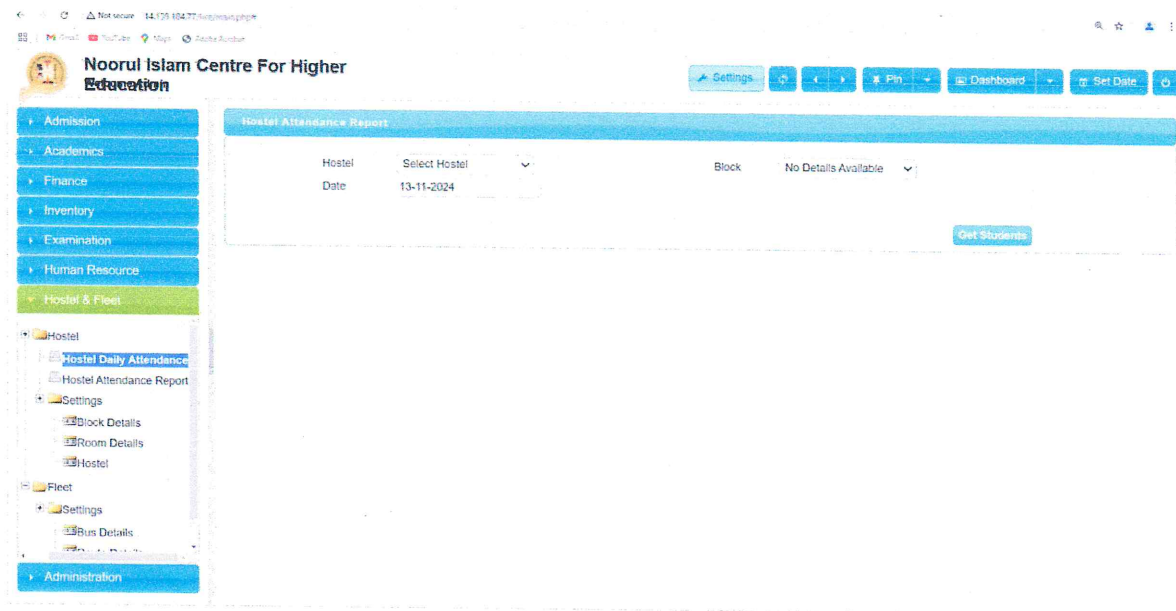


Figure 5.6 Hostel Attendance Tracking Interface

- **Daily and Periodic Attendance:** Hostel wardens and designated staff can use this function to record daily attendance of students residing in the hostel, either through manual entry or biometric systems. Attendance

tracking allows for monitoring of students' presence in the hostel and facilitates compliance with safety and security protocols.

- **Absent and Leave Records:** This feature records students' leave requests and absences, maintaining an accurate log of students who are temporarily out of the hostel. This helps administrators and wardens stay updated on each student's whereabouts and expected return.

Report Generation

- **Attendance Reports:** Administrators can generate daily, weekly, or monthly attendance reports to maintain records and assess compliance with attendance policies.

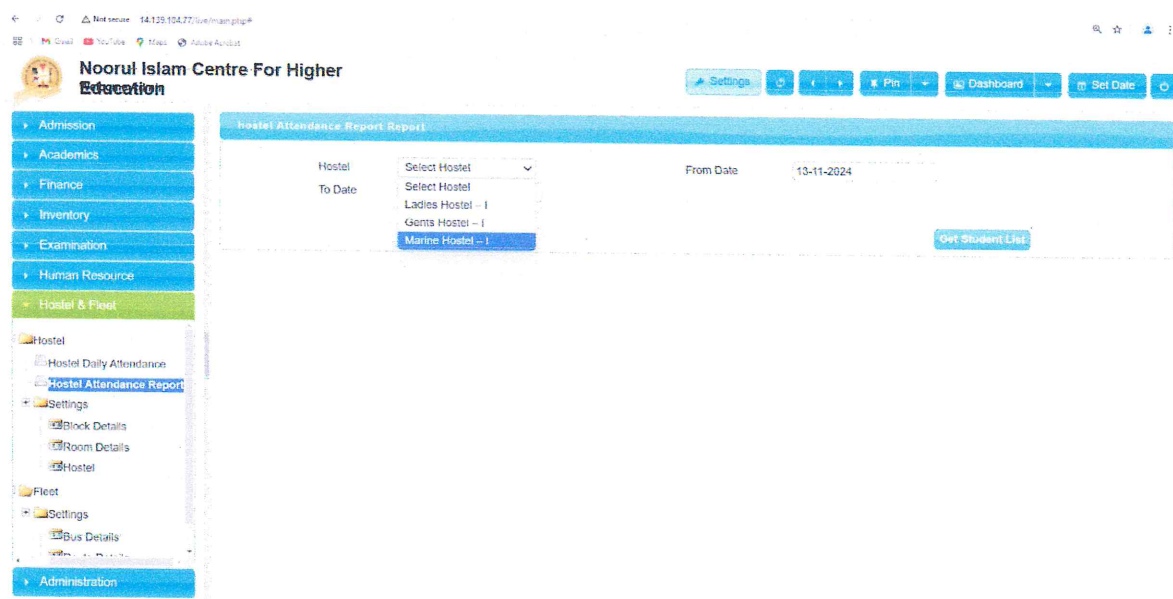


Figure 5.7 Attendance Reports Interface

6. NICHE ERP – Student Portal

The Student Portal Login Interface in NICHE ERP is a comprehensive, user-friendly gateway for students to access their academic and financial information. This interface allows students to securely log in and navigate through essential resources and tools that support their educational journey.

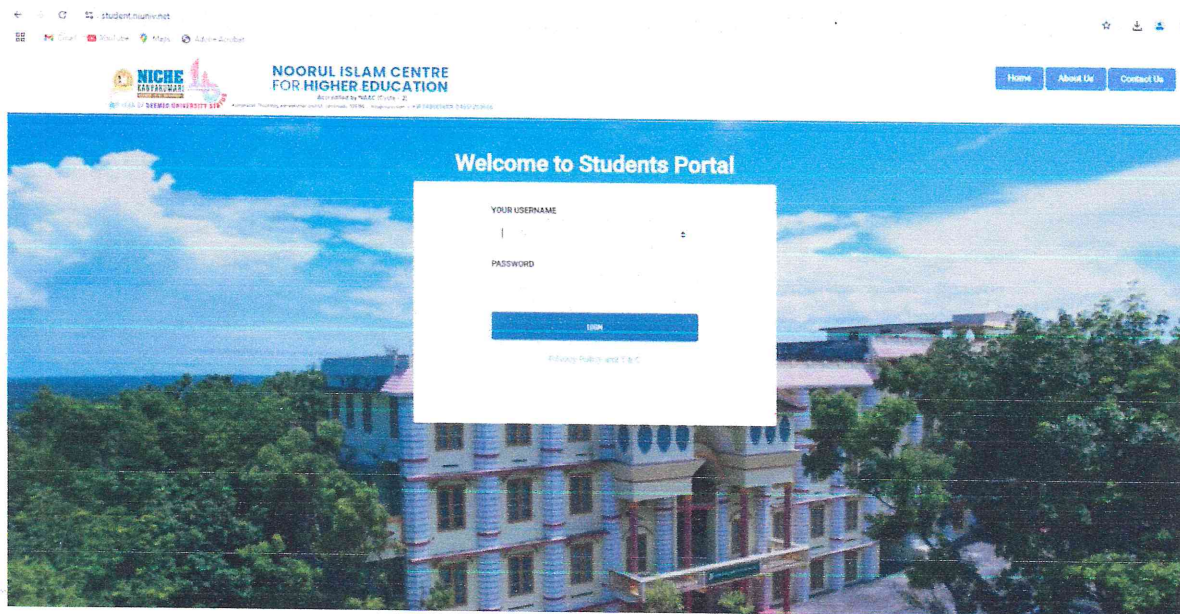


Figure 6.1 Student Portal Login Interface

Key Features:

1. Fee Balance and Payment History:

- Upon logging in, students can easily view their current fee balance, providing clarity on any outstanding payments due for their academic program.
- In addition, they can review details of all fees paid to date, enabling them to monitor payment history and ensure accuracy in financial records.

2. Online Fee Payment:

- To facilitate convenient payment, the portal includes an Online Fee Payment option. Students can directly make fee payments via secure online methods, simplifying the process and eliminating the need for in-person transactions.

- This feature supports multiple payment modes, including bank transfers, debit/credit cards, and digital wallets, offering flexibility and security.

3. Academic and Examination Details:

- Students can access their Exam Marks and academic performance details, including grades for completed courses and cumulative results. This helps them stay updated on their progress and prepare effectively for future assessments.

The Student Portal Login Interface centralizes critical information, empowering students to manage their academic and financial responsibilities independently. It provides secure access to their records and streamlines tasks like fee payments and progress tracking, making it an essential tool for student engagement and support.

Hall Ticket	Full Name
Pay Academic Fee	Akash R L
Pay Exam Fee	
Pay Hostel Fee	Email Address
Pay Transport Fee	akashr1498@gmail.com
Fees (Paid Online)	Phone Number
Results	8072461614
Series Test	
Attendance Status	Secondary Phone Number
Noteable Alumnus	8072461614
Post a Testimonial	Reg. No.
My Testimonials	1123201001
Campus Survey 2022-23	Date of Birth
Curriculum Feedback	04-12-2004
Update Password	Address
Sign Out	115 29 A4, Pakkiyam ST, Hentry Road Nagercoil., Kanyakumari - 6290

7. NICHE ERP - Administration Module

Administration - Process – Group Settings

The "Group Settings" in the administrative module is used to manage and assign user-level access for various groups created for different processes within the system. This feature enables administrators to define access permissions based on the roles and responsibilities of users. By creating specific groups for different functions—such as faculty, staff, finance, or admissions—administrators can ensure that each user has appropriate access to the relevant modules and data.

Through group settings, administrators can control which processes or information each group can view, modify, or manage. For example, a finance team member might have access to fee-related processes and financial reports, while an academic staff member may only access course and student information. This helps ensure data security and streamline workflows by limiting access to sensitive or irrelevant information for each user.

The interface also allows for customizing the scope of access, enabling flexible user management. Users can be assigned to one or more groups, and permissions can be adjusted as needed to fit organizational changes or individual requirements. By providing granular control over user access, the group settings function ensures that users can perform their tasks efficiently while maintaining the integrity and security of the system.

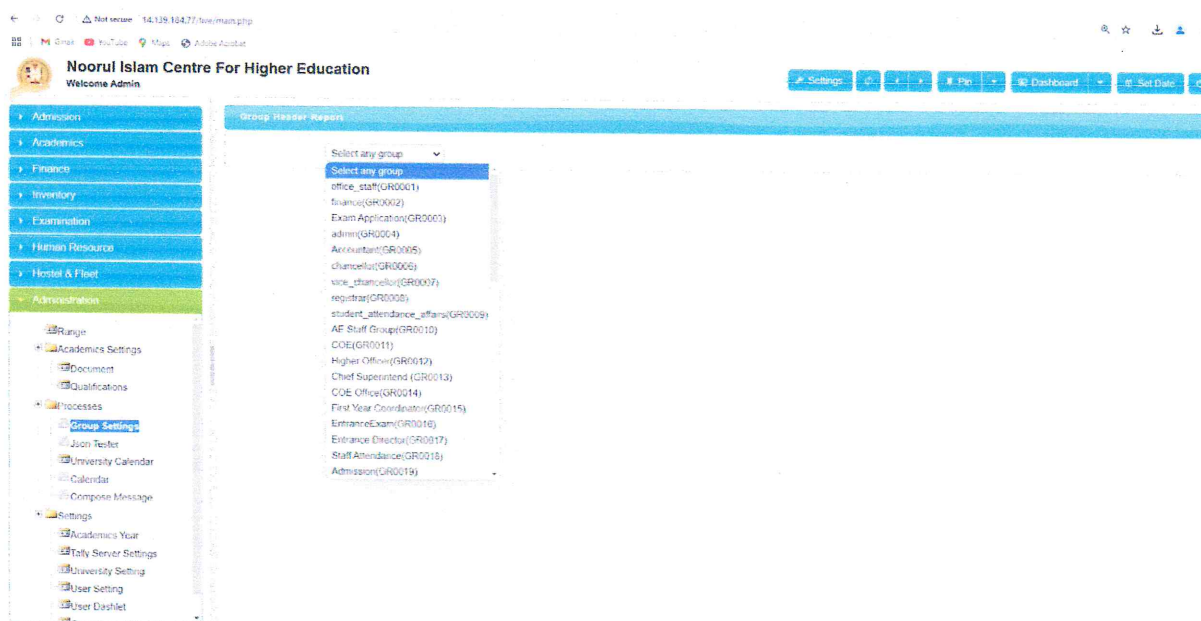


Figure 7.1 Group Settings Interface

Administration - Process – University Calendar

The "University Calendar" interface is used to define the academic schedule for the current year. It allows administrators to specify the start and end dates for classes, outlining the academic term's duration. Additionally, it includes settings for daily class hours, detailing the number of hours per day students will attend classes. The interface also provides options to define specific working days, such as whether classes will be held on Saturdays or Sundays. By setting up these parameters, the college calendar ensures that the academic schedule is clearly outlined and aligns with institutional policies and requirements.

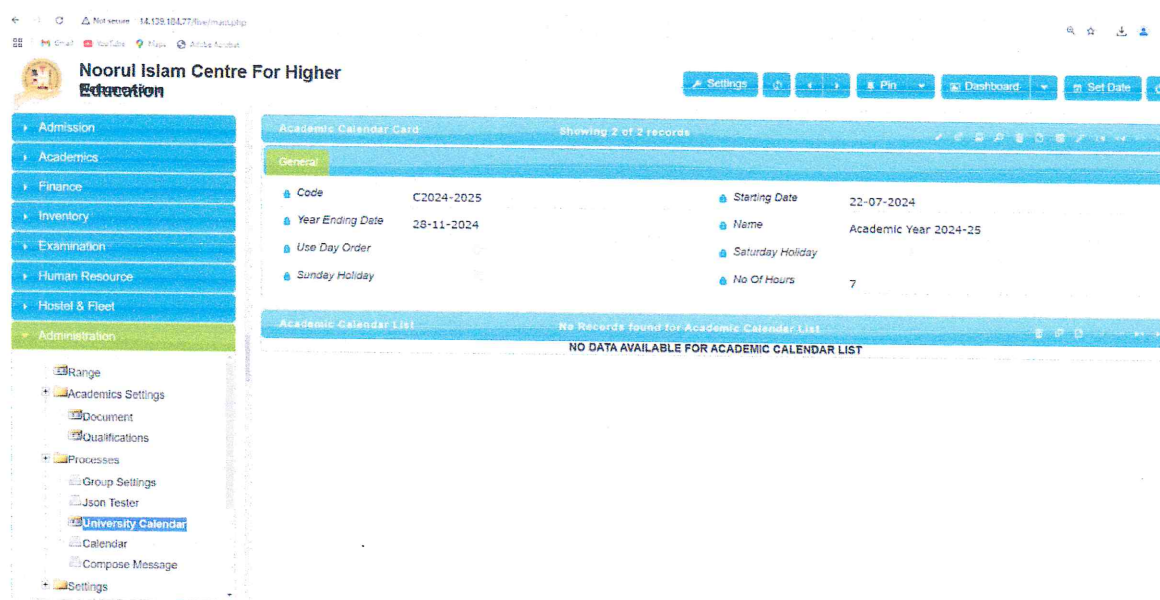


Figure 7.2 College Calendar Interface

Administration - Settings – Academic Year

The "Academic Year" interface is used to define and specify the current academic year. It allows administrators, ensuring that the system is aligned with the institution's academic calendar for scheduling and record-keeping purposes.

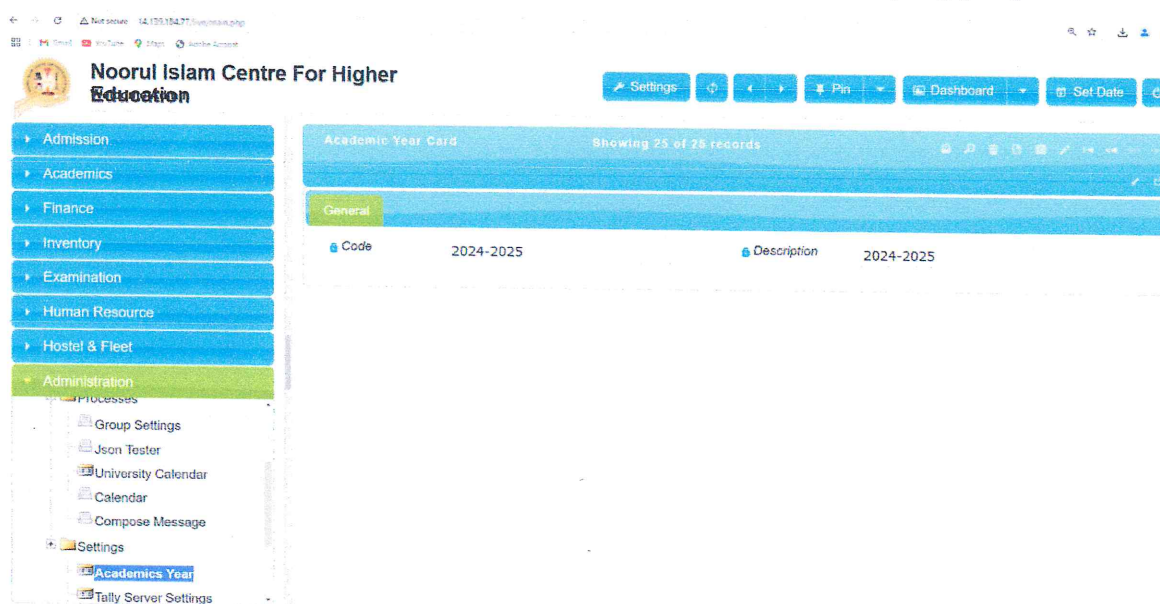


Figure 7.3 Academic Year

Administration - University Settings

The "University Settings" interface is used to configure essential details for the university's automation system. It allows administrators to input the university's name, address, and contact information, ensuring that the institution's identity is clearly reflected across the system. Additionally, this interface enables the upload of the university logo and the setup of other fundamental settings required for the automation process. These configurations help personalize the system, ensuring that all communications, reports, and documents generated within the platform are consistent with the university's branding and official details. It serves as a central hub for managing institutional information.

The screenshot shows the 'University Settings' interface. On the left is a sidebar with a tree view containing: Admission, Academics, Finance, Inventory, Examination, Human Resource, Hostel & Fleet, and Administration (expanded). Under Administration, there are links for University Calendar, Calendar, Compose Message, Settings, Academics Year, Tally Server Settings, University Setting (highlighted), User Setting, and Edit User Profile. The main area is titled 'College Setting Card' and shows 'Showing 1 of 1 records'. It has tabs for General, Logo's, SMS, Email, Year & Calendar, Entrance Exam, Leave, Admission Setting, and Attendance Sms. The 'General' tab is active, displaying the following data:

College Name	Noorul Islam Centre For Higher Education	College Name 2	NICHE
College Address	Kumaracoll, Thuckalay, K.K.Dist, Pin-629 :	College Short Name	NICHE
College Details	Deemed to be University under section 3 c	College URL	www.niuniv.com
College Timezone	04651-250566	College Date Format	Select any value
Always Show First Tab	No		

Figure 7.4 University Settings Interface

Administration - Settings – User Settings

The "User Settings" interface is used to create user accounts for faculty members within the institution, ensuring proper access and functionality. Through this interface, administrators can assign faculty to the relevant department and access group, defining their roles and permissions within the system. This setup allows faculty to access and manage specific features relevant to their

responsibilities. For example, faculty can use their accounts to post attendance for students, update personal details, and access department-specific resources. The interface also provides options to modify user roles and permissions as needed, ensuring that faculty have appropriate access to the system's features. By organizing faculty accounts based on their department and role, the system streamlines administrative tasks and enhances data security. Overall, the "User Settings" interface plays a vital role in facilitating efficient faculty management and ensuring that each member has the correct level of access to perform their duties effectively within the institution.

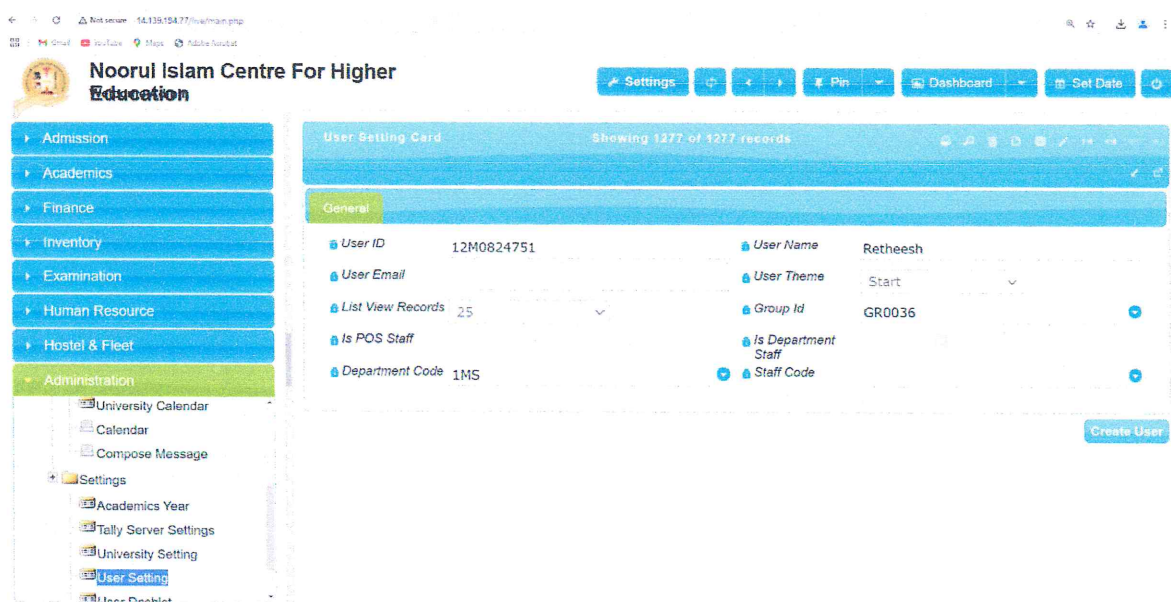


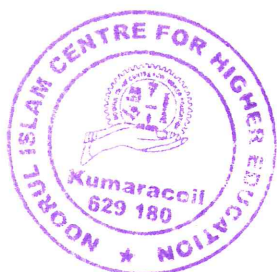
Figure 7.5 User Settings Interface

Administration - Settings – Group

The "Group" interface in the administration module is used to create and manage various user groups, each with distinct access levels and permissions. This interface allows administrators to define specific groups based on roles or functions, such as faculty, staff, or finance teams. Each group can be assigned unique access rights to different system modules and features, ensuring that users only have access to the relevant information and tasks based on their roles. By organizing users into groups, the system streamlines user management,

enhances data security, and ensures that administrative processes are carried out efficiently.

Figure 7.6 User Group Creation Interface



Handwritten signature of Prof. Dr. A. Shajin Nargunam

Prof. Dr. A. Shajin Nargunam, M.E., Ph.D.,
Director-Academic Affairs
Noorul Islam Centre for Higher Education
Kumaracoil, Thuckalay.

Handwritten signature of Dr. P. Thirumalvalavan

Dr. P. THIRUMALVALAVAN,
Registrar,
Noorul Islam Centre for Higher Education,
Kumaracoil - 629 180, Thuckalay,
Kanyakumari District.