6.2.2 Implementation of e-governance in areas of operation

INDEX

SNO	Areas of e-governance	Facilities provided	Page No
1	Administration	SNTI College Automation(1,3,4,5,8,9 & 15)	2
		CCTV Cameras	32
2	Finance & Accounts	TALLY Software	33
		SNTI College Automation(8,15)	34
3	Student Admission and Support	SNTI College Automation(2,4,9,10,11 & 17)	42
		Library E-CAP Software	58
4	Examinations	SNTI College website	60
		SNTI College automation(Module 14)	61
		JNTUH Exam portal	68

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ENTERPRISE RESOURCE PLANNING SOFTWARE(ERP)

The ERP software for our institution helps us to manage an entire institution, from admissions to assessments of the students. The ERP modules organize all the details to provide a proper list for a smooth workflow of an institution. With this we can manage all the details of the students; about their contact information, grades, assessment, fees, course, and every major or minute detail.

NAME OF THE VENDOR WITH CONTACT DETAILS

Skolo Software, Genesis Tech Systems pvt.ltd

Plot No: 29,Kothaguda,Bhuvaneshwari Society,Madhapur,Hyderabad,Telangana 500084 ,

Phone No: 06281638058 Email: vik@genetechsys.com

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HOMEPAGE SCREENSHOT
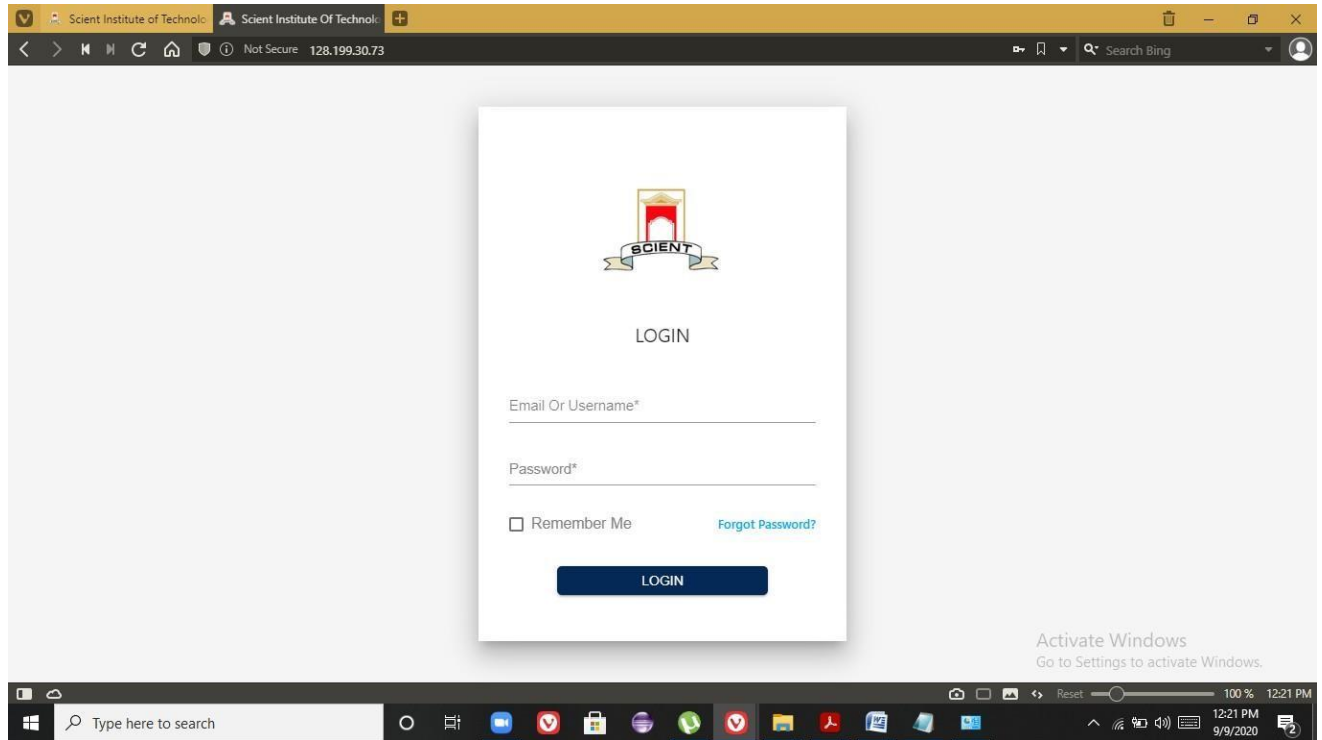
LIST OF MODULES IN ERP:

1. Admin
2. Admissions
3. Academics
4. Student Information System
5. HR & Payroll
6. Time-Table management
7. Attendance Management
8. Accounts and Sales
9. Scholarship Management
10. Library Management
11. Transport
12. Hostel
13. Placements and Achievements
14. Examination Management
15. Inventory Management
16. Grievance
17. Feedback

ADMINISTRATION

MODULES IN DETAIL

1) ADMIN MODULE

Admin module plays a vital role Admin module helps to ERP administration for efficient management of human resources. Admin module helps to manage faculty and students information, track their records like performance reviews, designations, time & attendance tracking.Admin functionalities are

➢ Staff/Student Entry, Role Configuration
➢ Role wise, User wise access rights
➢ Deactivate users
➢ User login history
➢ Manage passwords
➢ Can update college information like adding infrastructure details etc
➢ Can update academics information like adding courses etc.
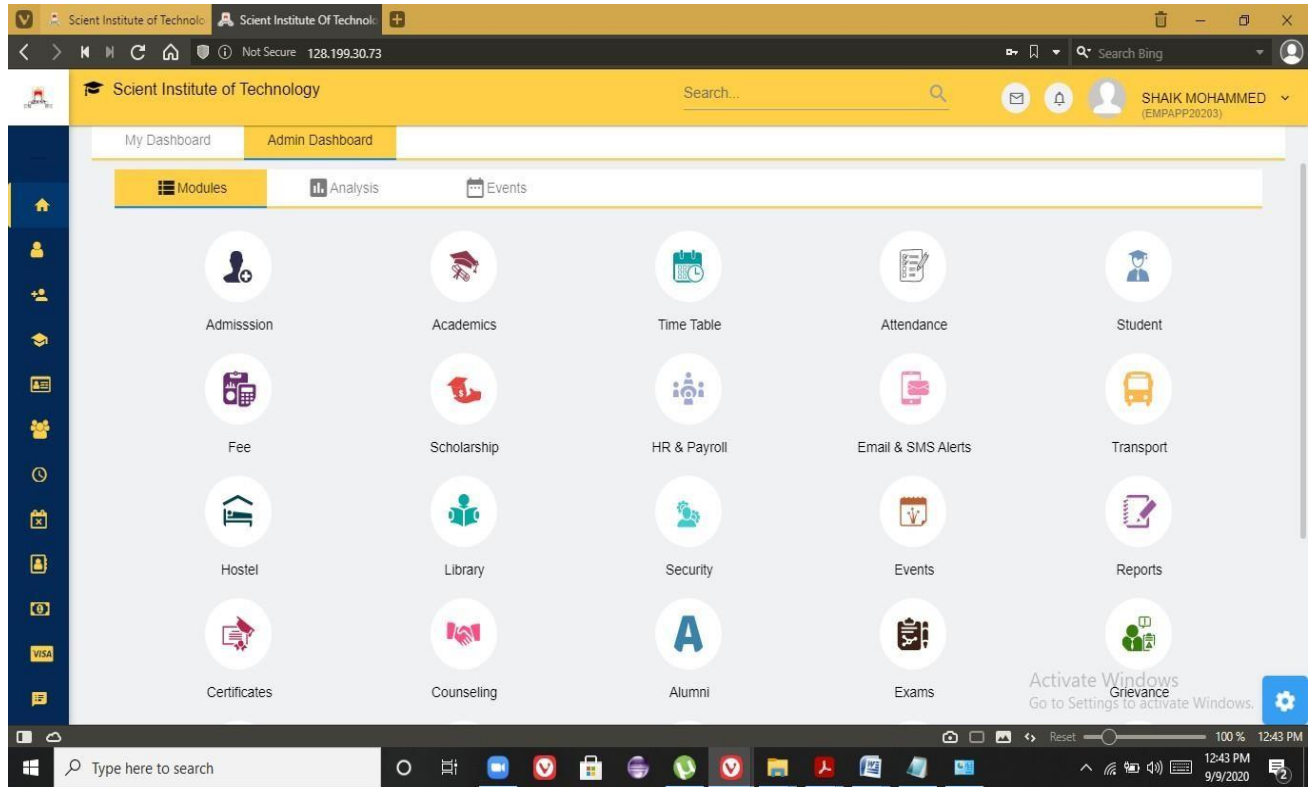
Fig 1 : Admin Dashboard
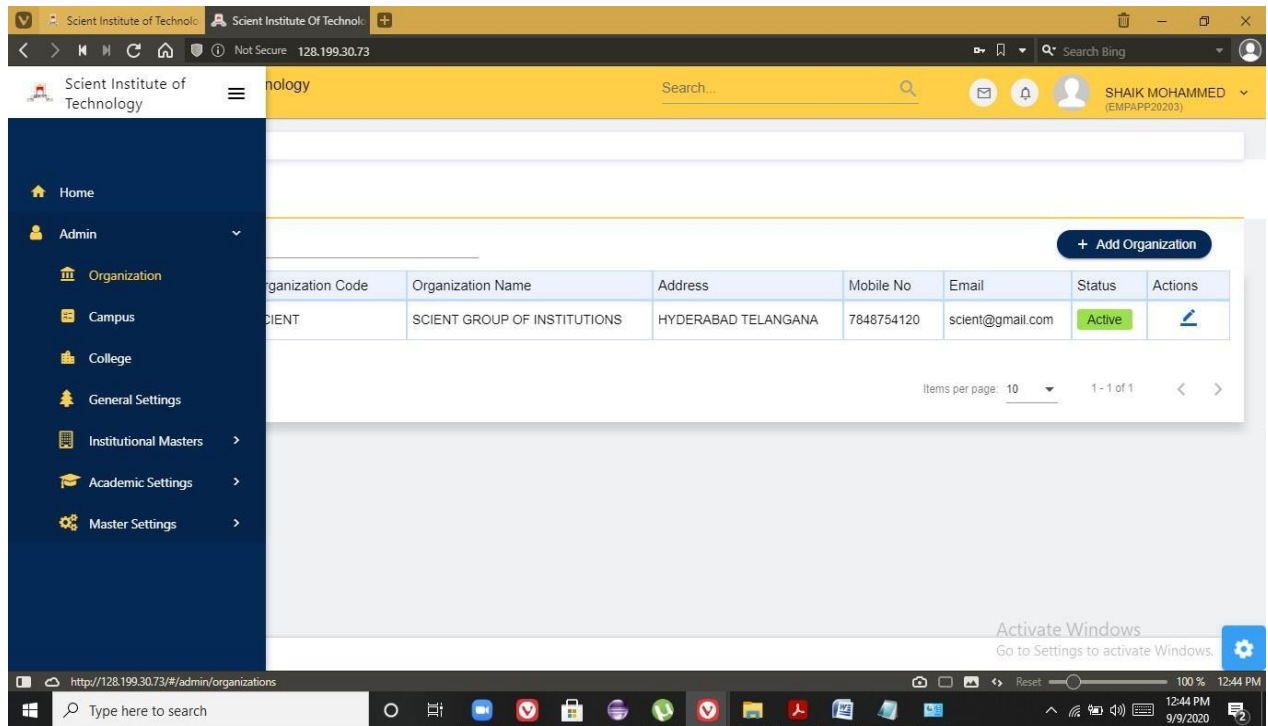
Fig 2 : Admin updating college information

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(NAAC Accredited, Approved by AICTE & Affiliated to JNTUH)
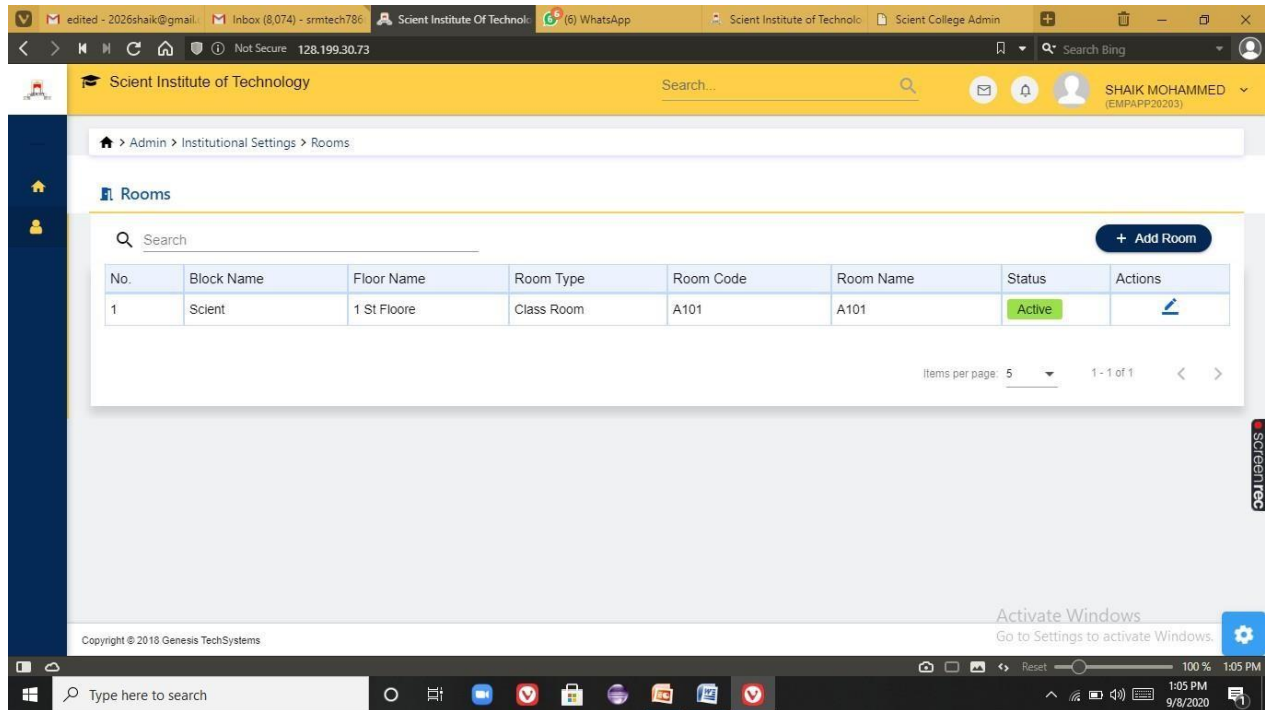
Fig 3 : Admin updating college infrastructure information like adding classrooms,blocks etc
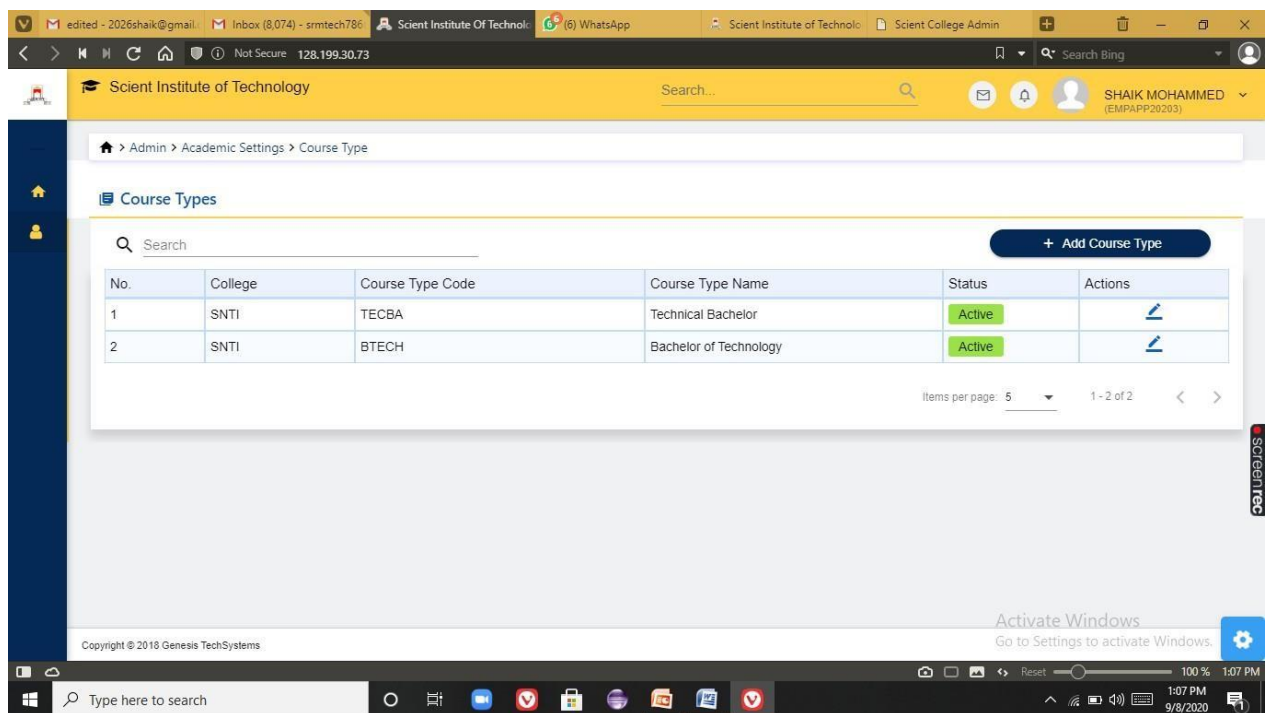
Fig 4 :Admin adding course details

Fig 5 : List of courses

Fig 6 :Creating student batches

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3) ACADEMICS

In this module faculty can create courses. This module helps the institute to schedule the course online and let the students benefit through the online programming of the course. The ERP module of course scheduling creates a schedule of the courses for each team, class, or batch and enroll students in the programs and the groups with their preferred course. Faculties can publish digital timetable to the students.Operations to be performed are:

- Regulations
- Subject master
- University curriculum
- Assign Course year subjects
- View course year subjects
- Staff subject mapping
- Staff subject unmapping
- Assign subject books
- Subject unit topics
- Subject syllabus plan
- Elective group mapping
- Student enrollment to Elective subject
- Assign regulation to students
- Assign students to section
- Assign students to lab batches
- Allocate student subjects

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Fig 1 :Operations in Academics module

Fig 2: Regulations

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Fig 3: Subject master

Fig 4: University curriculum

Fig 5: Assigning course year subjects

Fig 6: Course year subjects

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Fig 7: Staff subject mapping

Fig 8 : Subject Syllabus plan

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Fig 9 : Elective group mapping

Fig 10: Regulations addition

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4) STUDENT INFORMATION SYSTEM

In this module we can extract the details of students.Using this module we can add student details,List of students detained and promoted,Passedout students information,subjects allotted to the students.Admin can generate the roll num of a student.Operations performed in this module are:

 - ➢ Student Details
 - ➢ Student promotions
 - ➢ Students Detain
 - ➢ Student Re-Admission
 - ➢ Student Discontinue
 - ➢ Generate Student Roll No
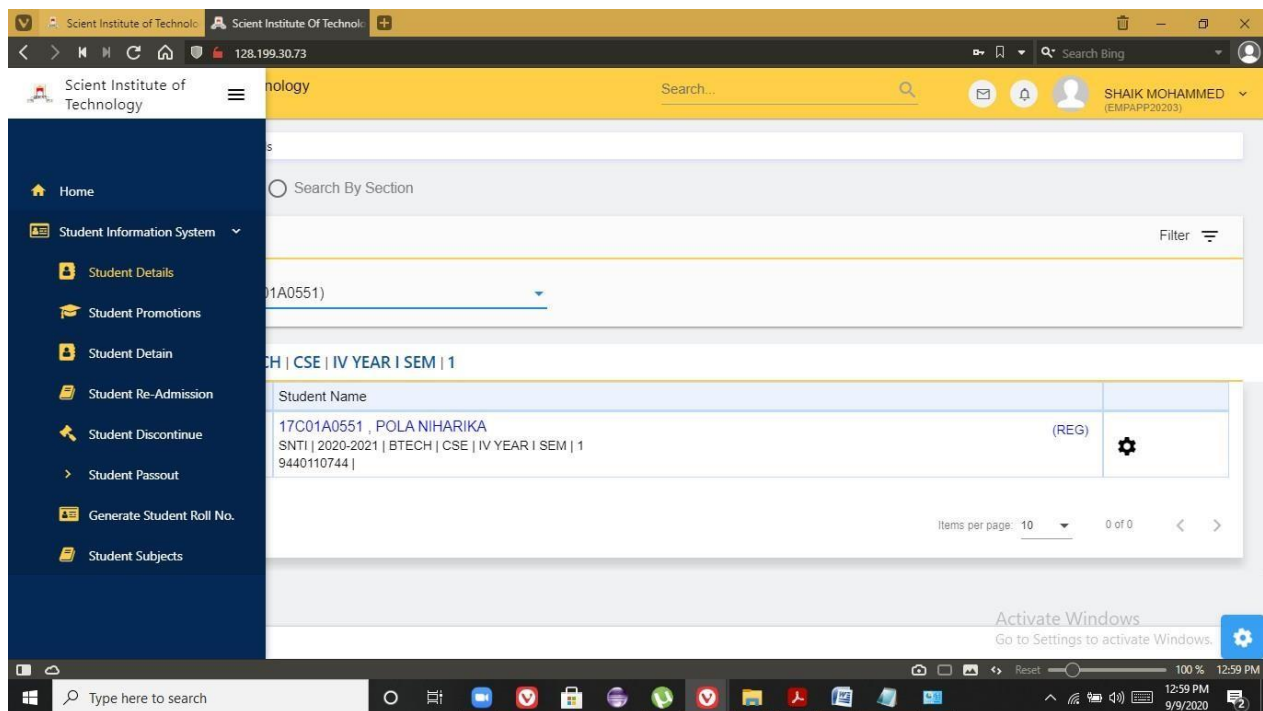 - ➢ Student Subjects

Fig 1 : Operations performed in Students Information System

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Fig 2 : Student details

Fig 3 : Student promotions

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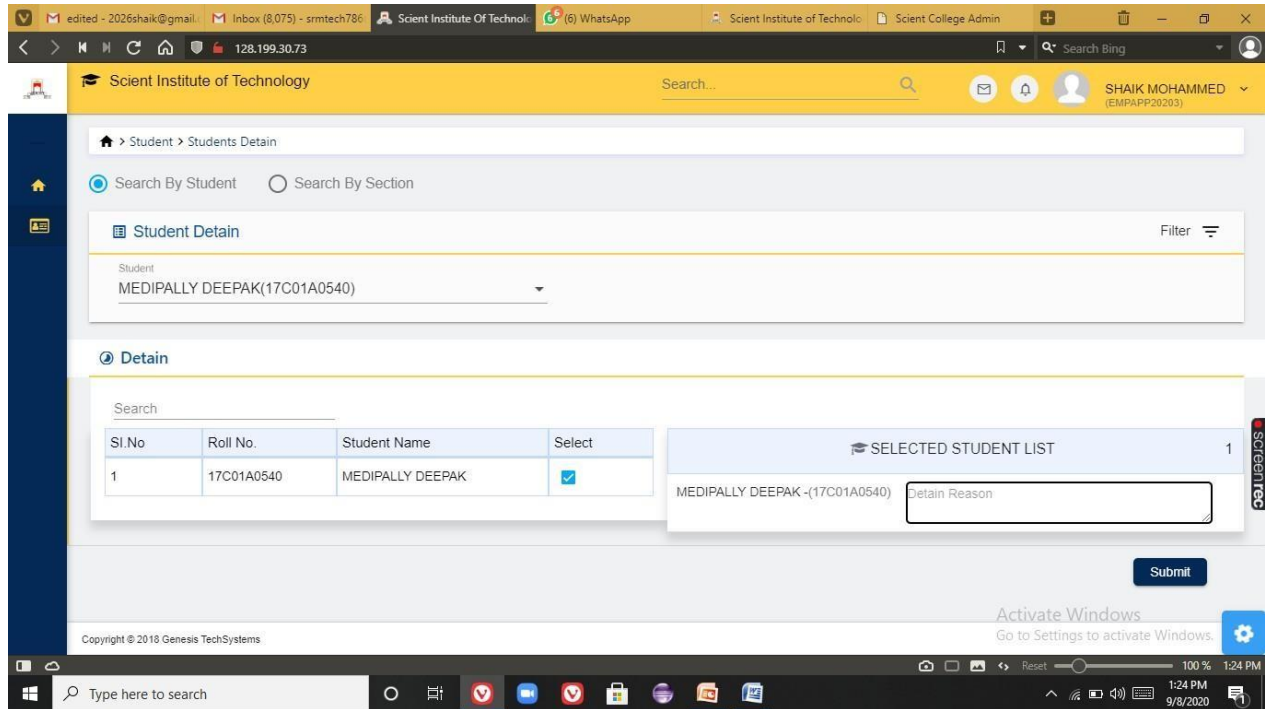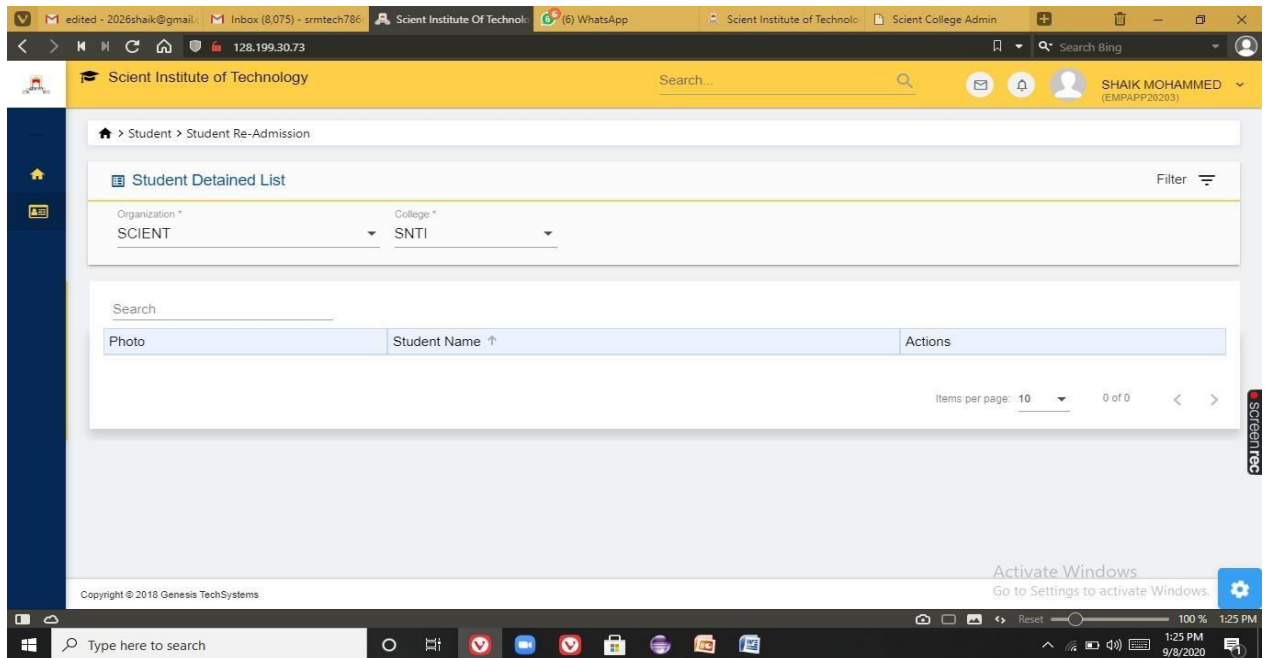Ibrahimpatnam, R. R. Dt.-501 506

Fig 4 : Detention of the student

Fig5: To extract the list of students detained

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Ibrahimpatnam, R.R Dist 501506
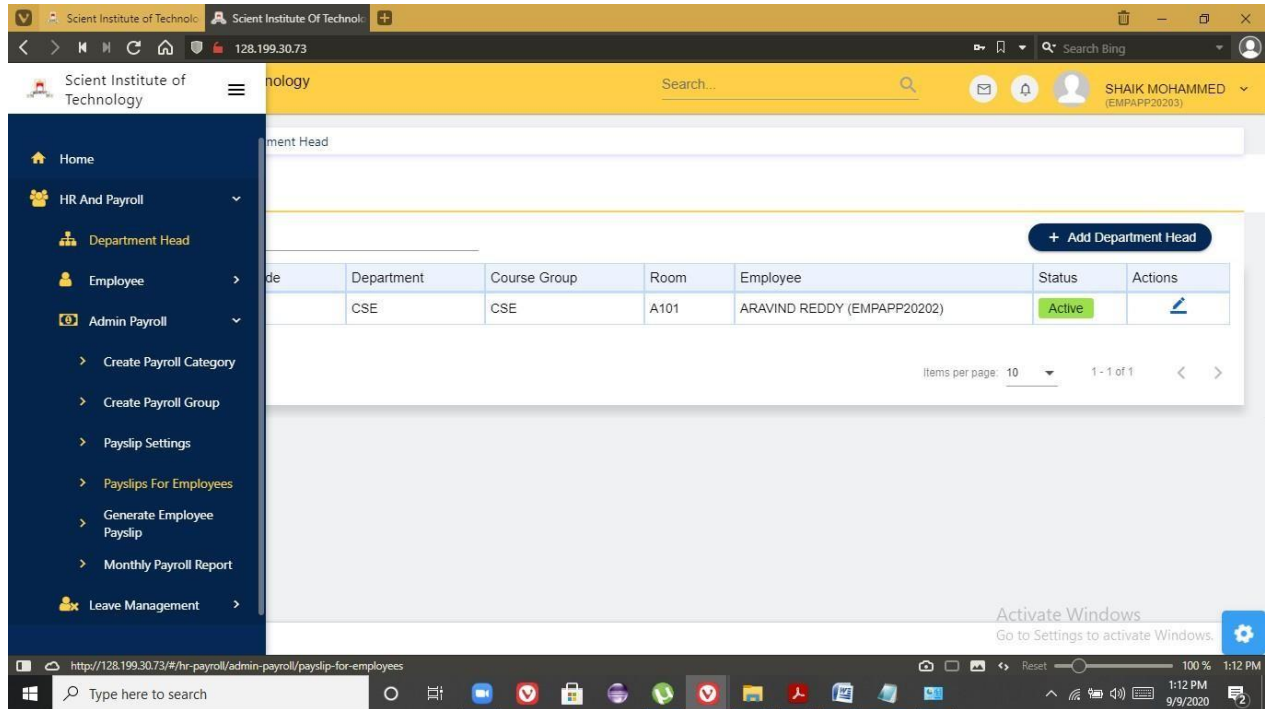
(NAAC Accredited, Approved by AICTE & Affiliated to JNTUH)

Fig 6 : List of subjects allotted to the students

5) HR & PAYROLL

In this module administration department can track the employees details ,salary details,leave management,payslip generations etc.Operations performed in this module are:

- ➢ Department head
- ➢ Employee
- ➢ Admin payroll
- ➢ Leave Management

Fig 1: Operations performed in HR & Payroll
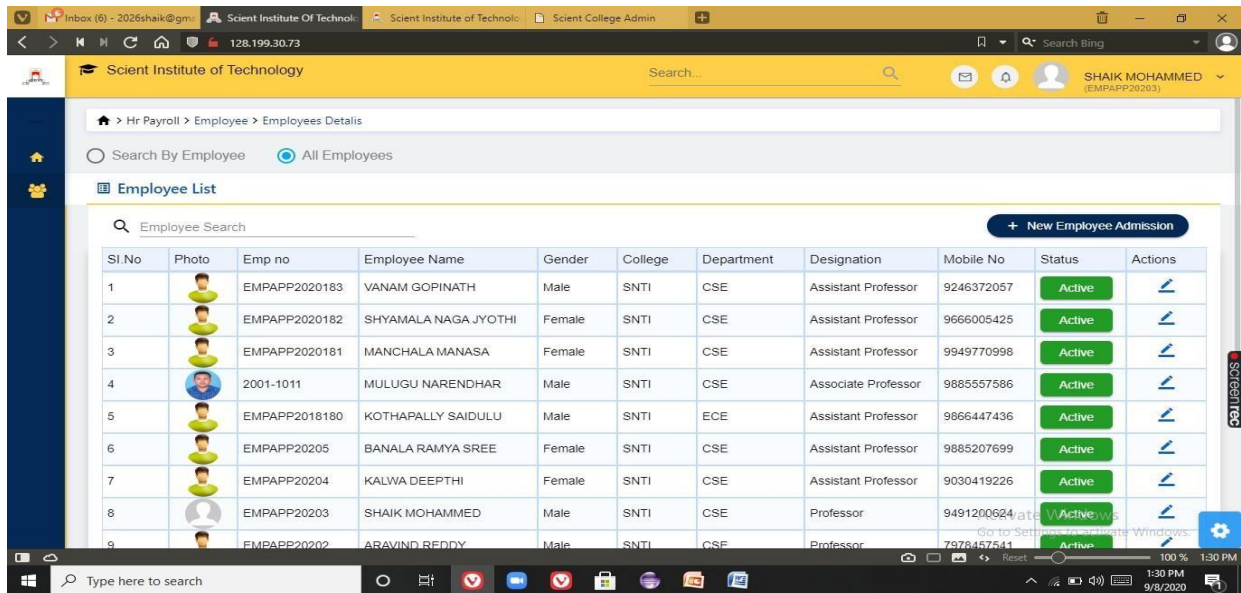
Fig 2 : List of faculty

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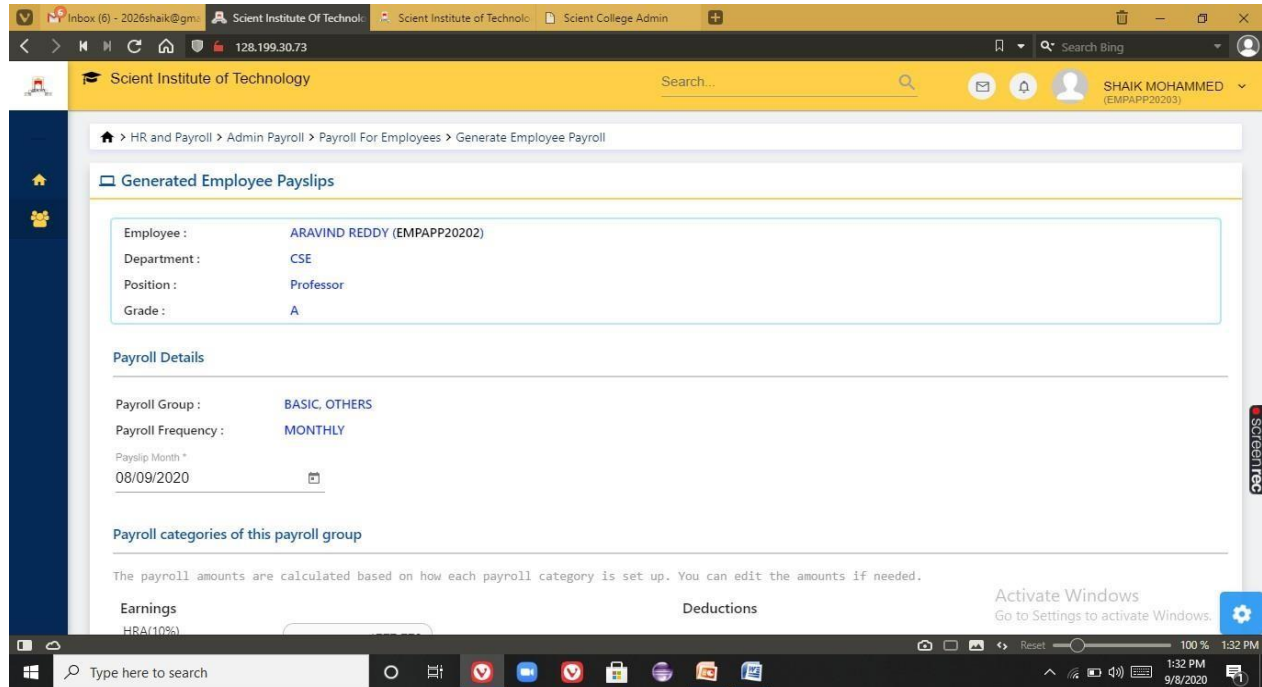Scient Institute of Technology
Ibrahimpatnam, R. R. Dt.-501 506
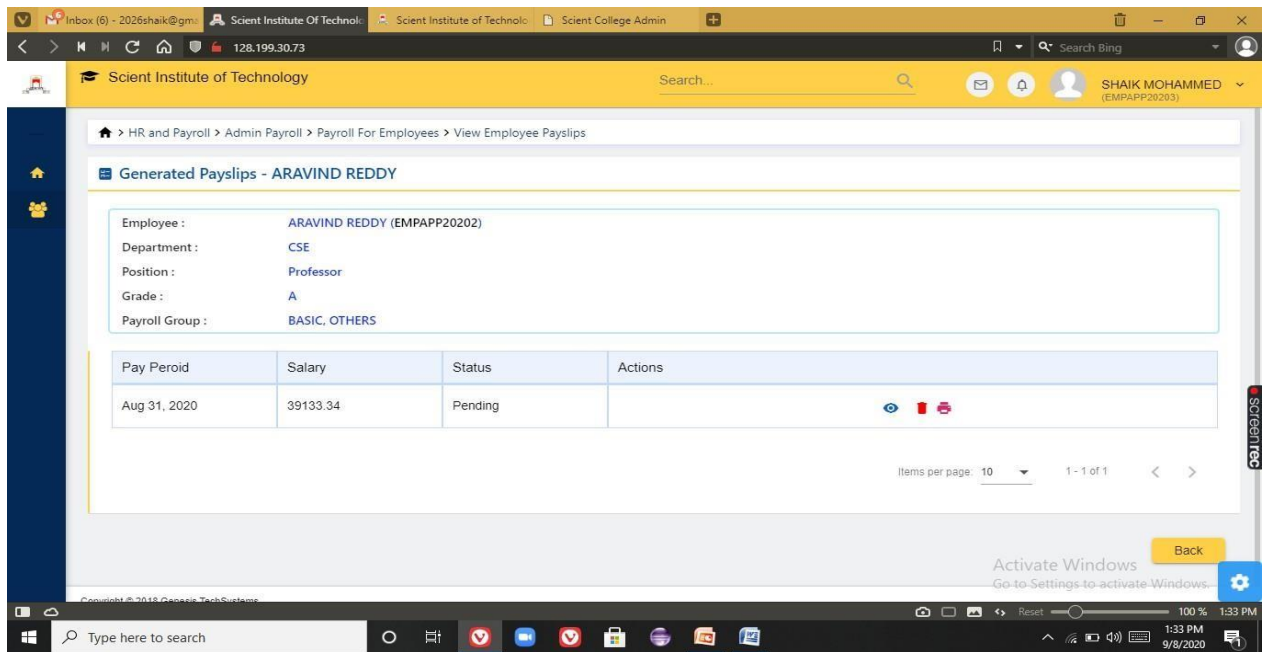
Fig 3: Payslip generation

Fig 4 : View employee payslips

Fig 5 : Leave types
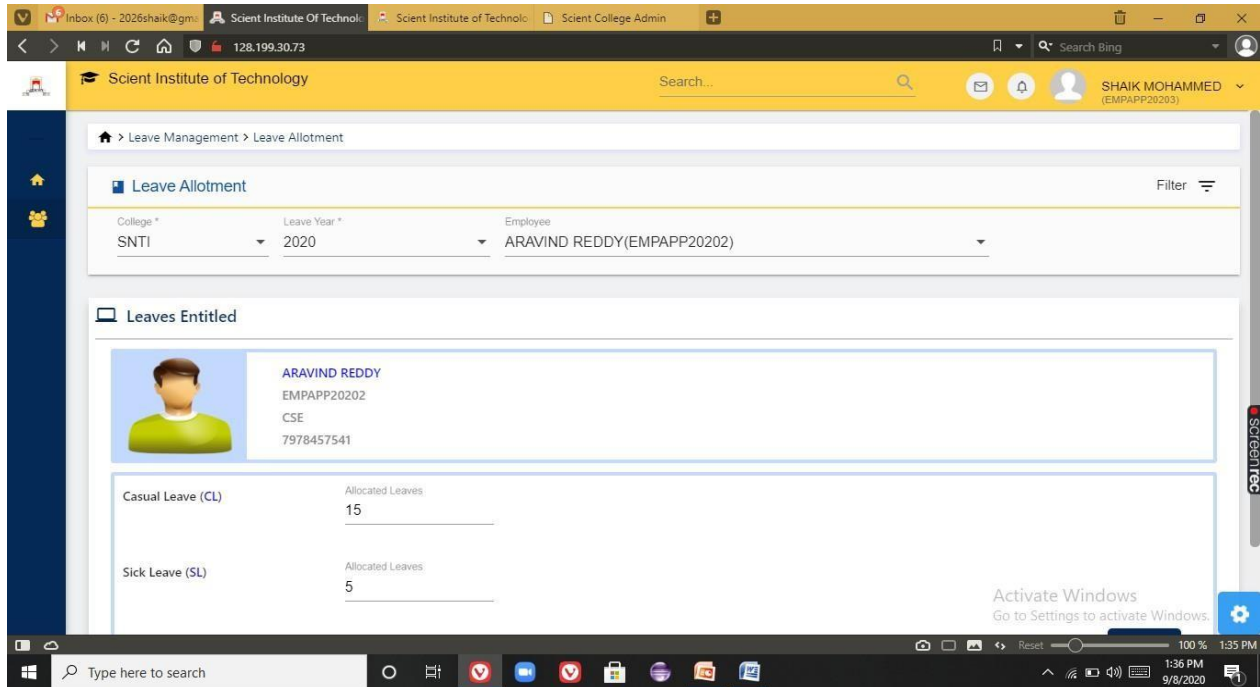

Fig 6 : Leave Entitlement for faculty.
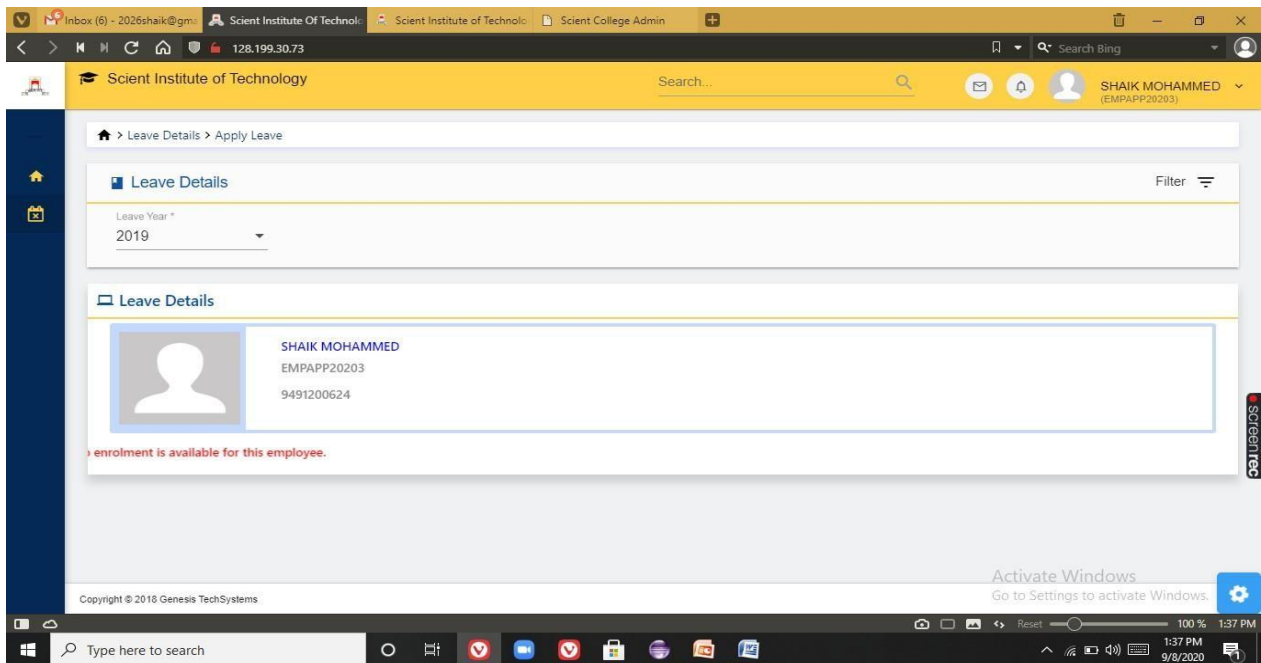
Fig 7 : Leave approvals

Fig 8: Track faculty leaves

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8) ACCOUNTS AND FEES

This module is managed by admin.Using this module he can create fee masters like creating fee structure,Fee particulars,Fee categories,Fee collection,Generation of reports

Under fees collection session admin can perform following activities

- Allocate fees to student
- Bus fee payment
- Library fee payment
- Generating fee receipt
- Fee receipt refunds
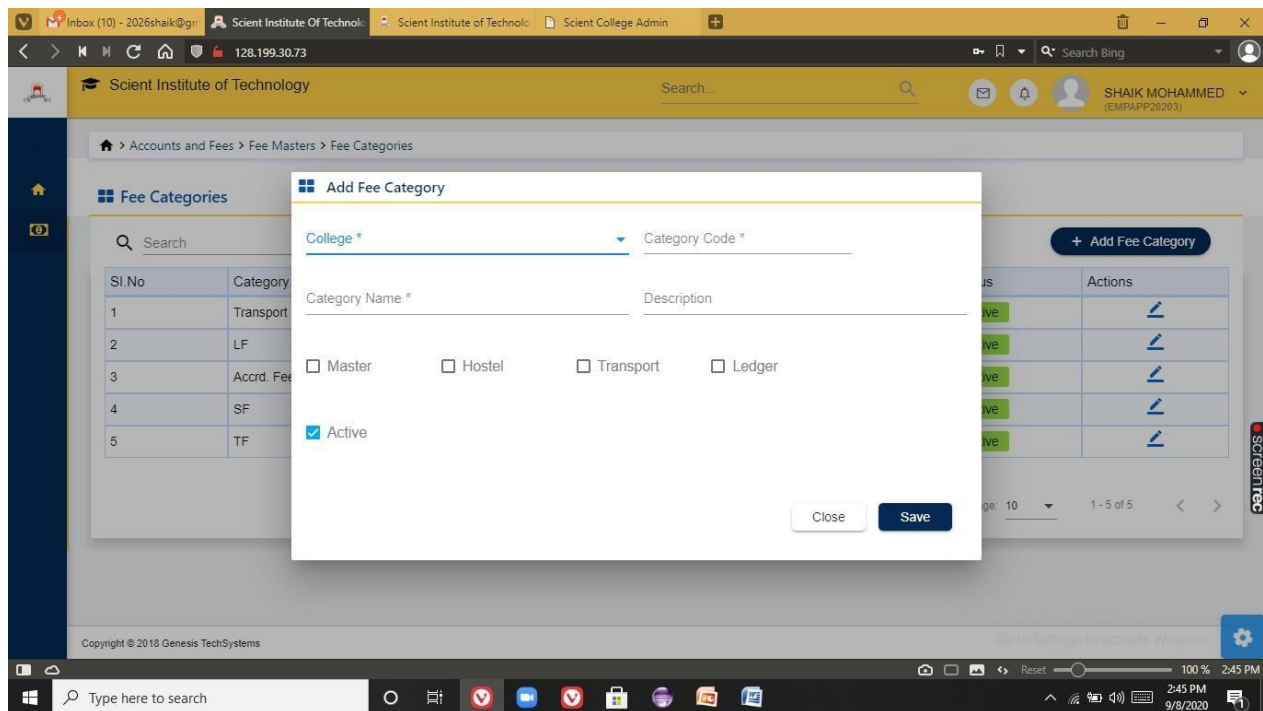- Student fee collection
- Faculty bus fee collection

Fig 1 : Adding fees category

Fig 2 : Adding fee particulars

Fig 3 : View fee structure of a student

Fig 4 : Allocation of fee structure

Fig 5 : Fee payment by a student

Fig 6 : Bus fee payment status of a student

Fig 7 : Library fee payment

Fig 8 : Tracking the details of student fee collection

Fig 9 : Getting scholarship report of the students
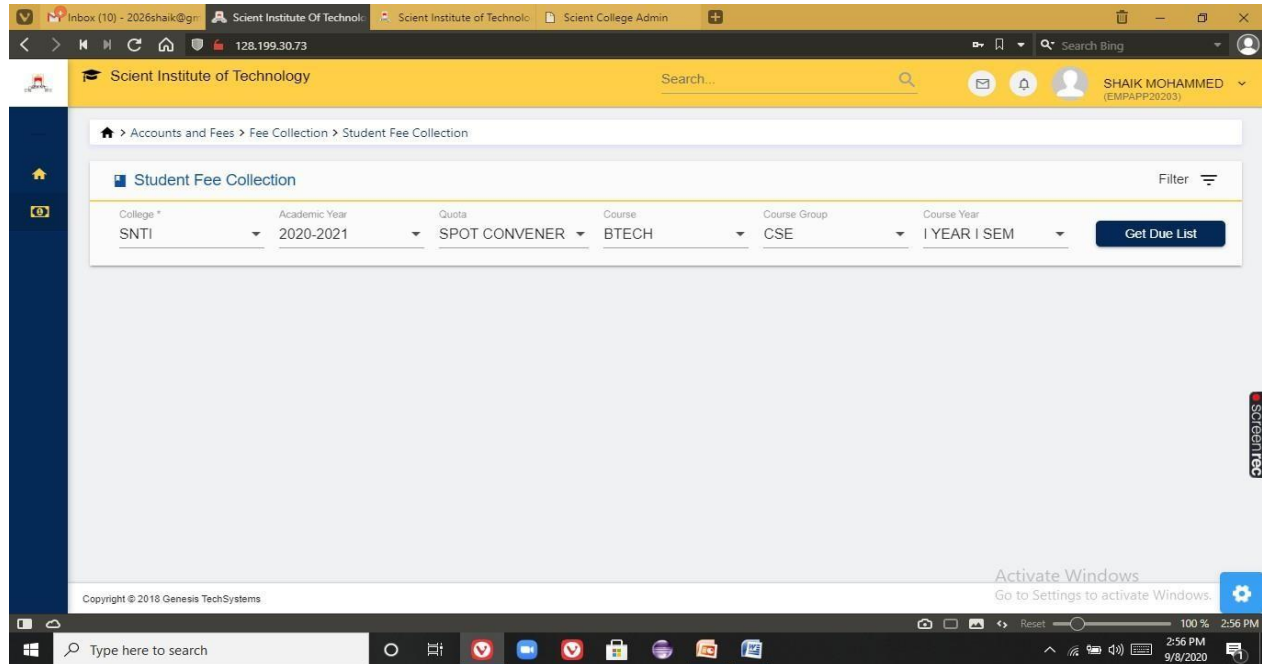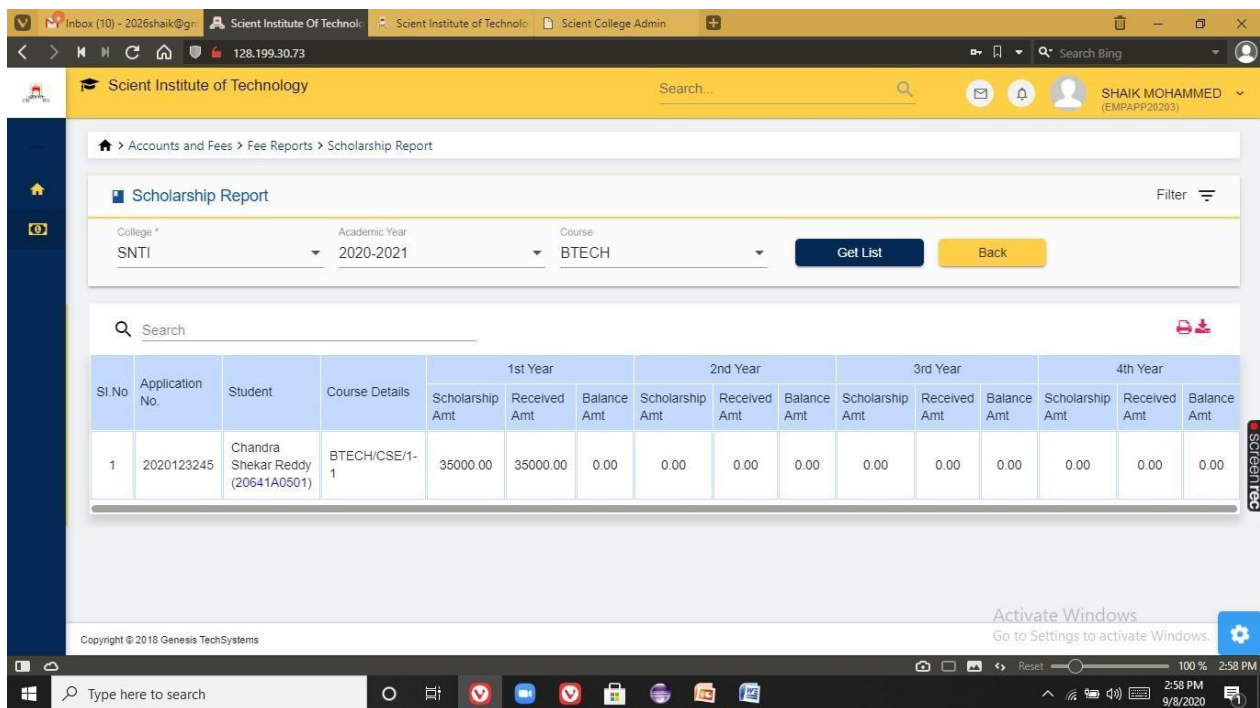
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9) SCHOLARSHIP MANAGEMENT

This module stores all the types of scholarships, and the list of all the students who have applied for scholarship. Scholarships are applied by college on behalf of the students, which are sanctioned by government and trusts. Each and every student scholarship details are monitored by administrative officer in very ease mode since they have all details of applied student in very proper arranged manner.Functionalities in this module are

- Scholarship application
- Scholarship proceedings
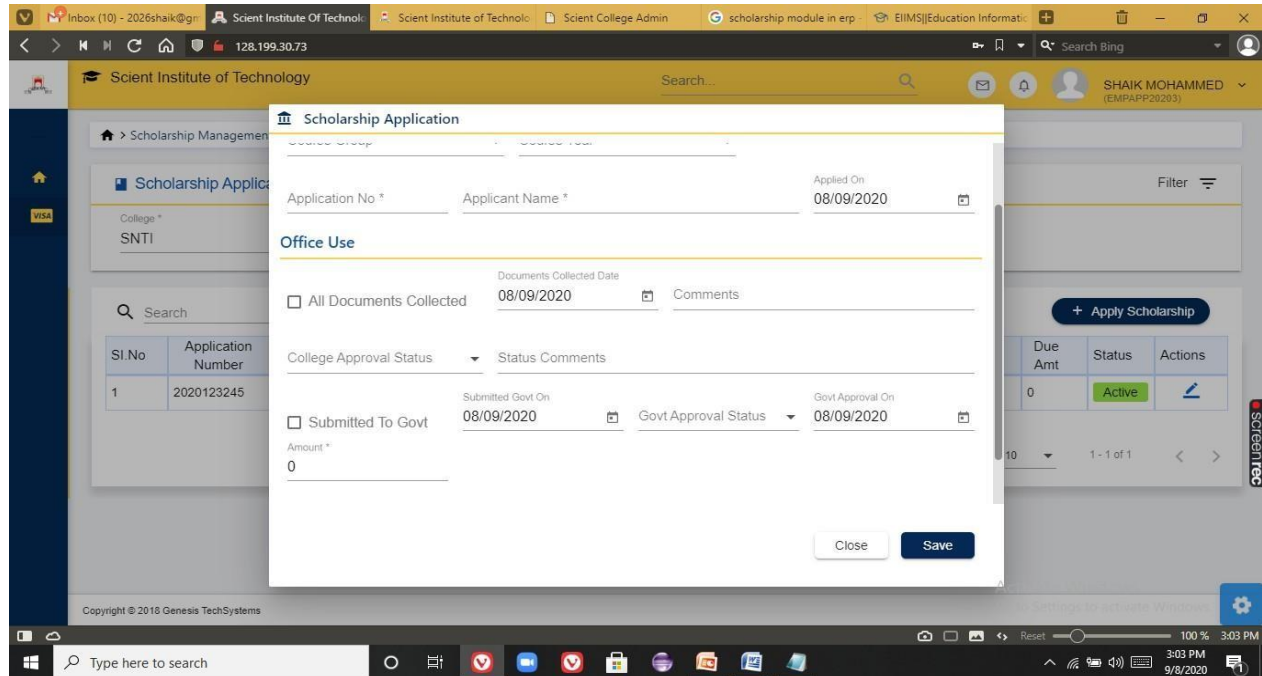- Account proceedings

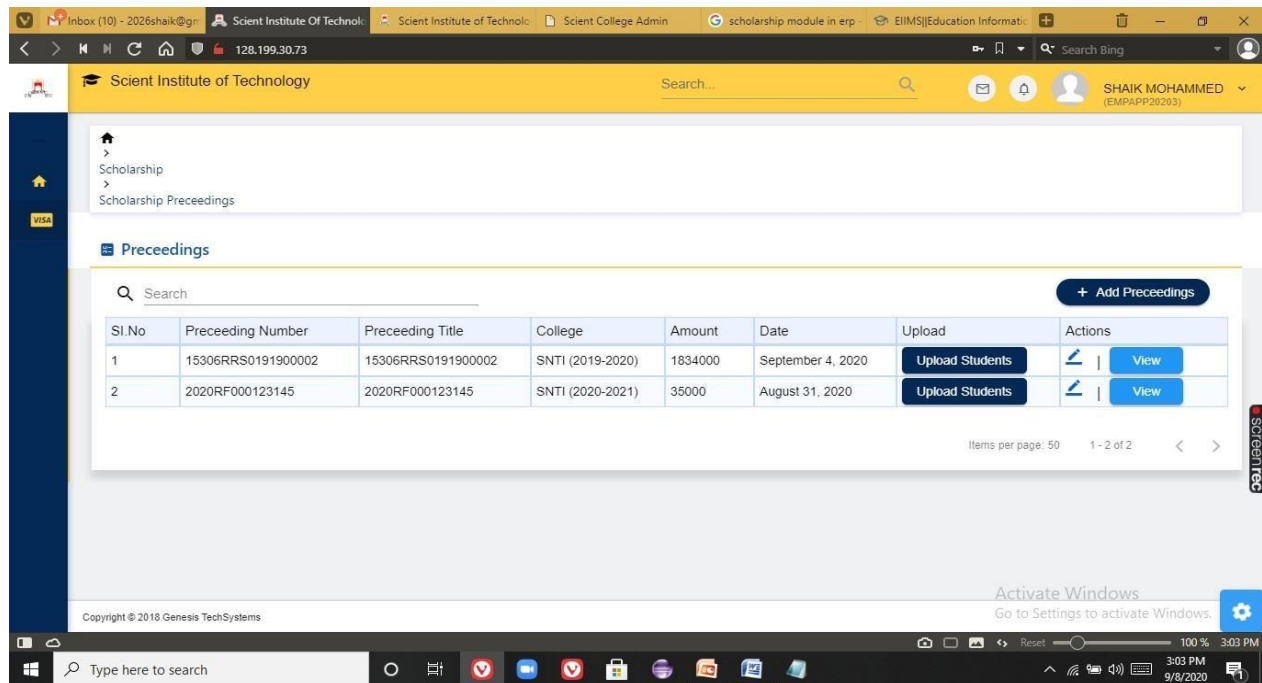**Fig 1 : Scholarship Management**

Fig 2 : Scholarship application

Fig 2 : Scholarship proceedings

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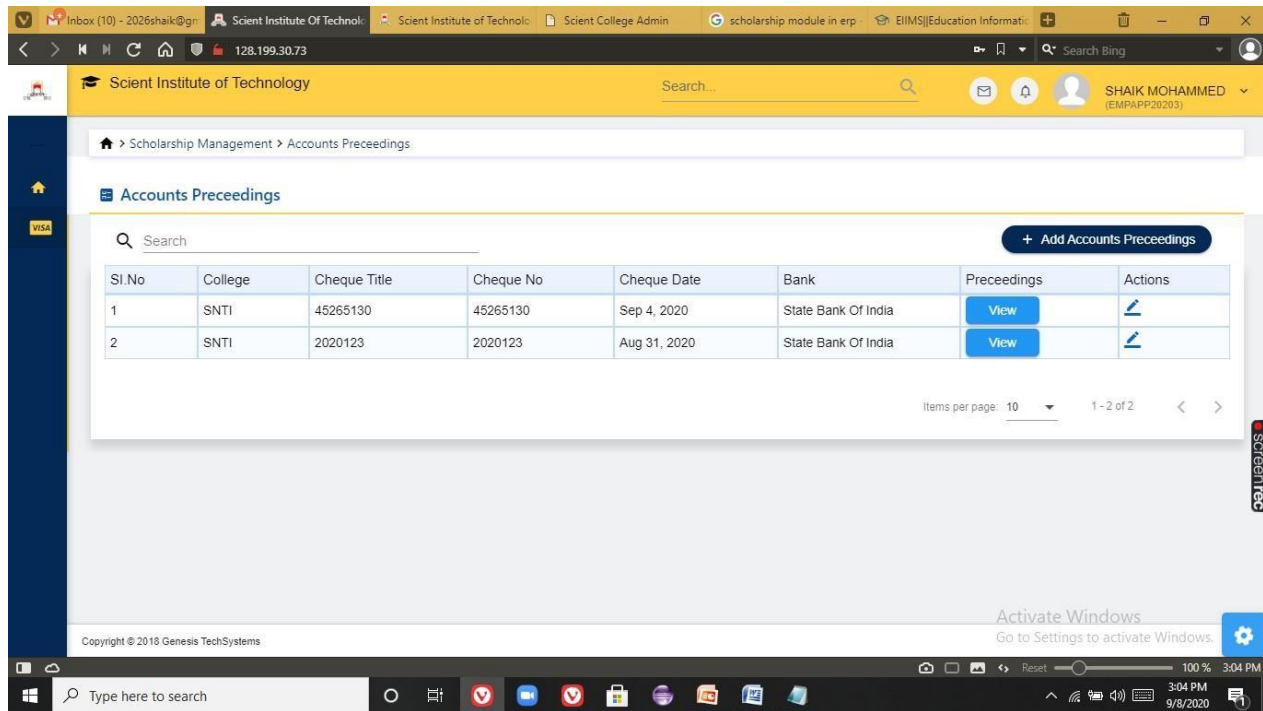
Fig 3 : Accounts proceedings

15)INVENTORY MANAGEMENT SYSTEM

Inventory management ERP software module is a complete system that offers integrated, interactive management of all your inventories, including physical stock room, in-transit, consigned and others.Using this module following operations to be performed

- Store master
- UOM master
- Supplier master
- Purchase orders
- Stock ledger

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Fig 1: Inventory management system

Fig 2 : Store master

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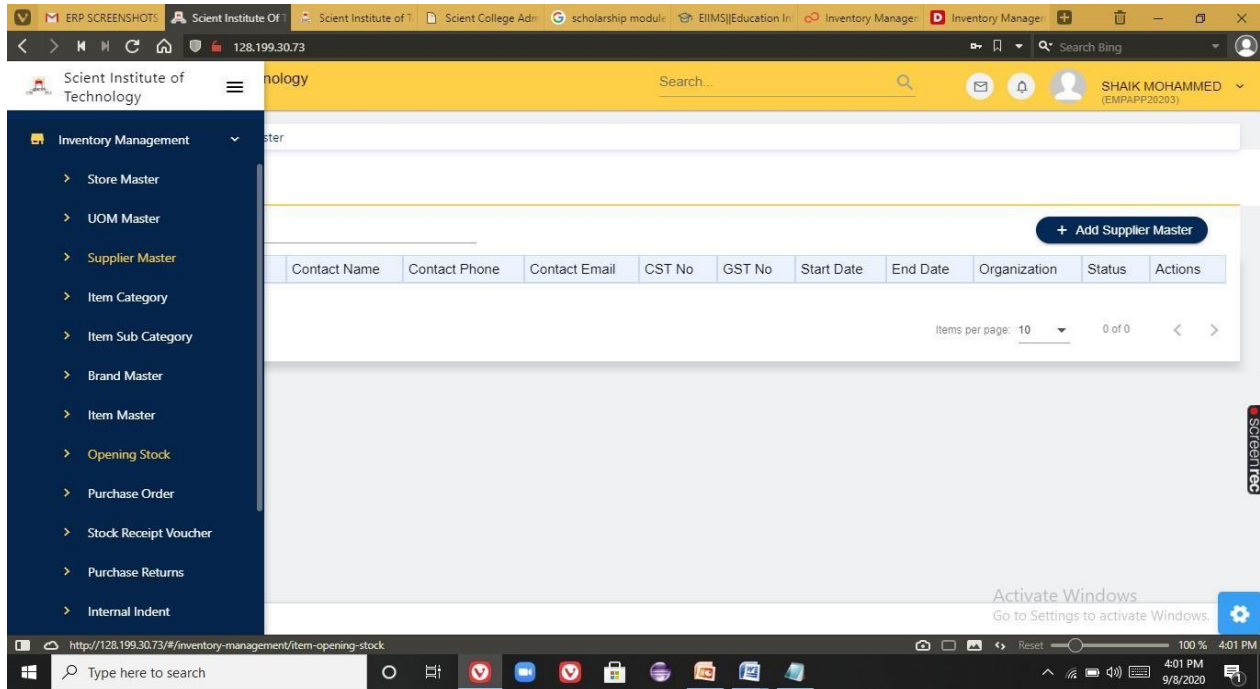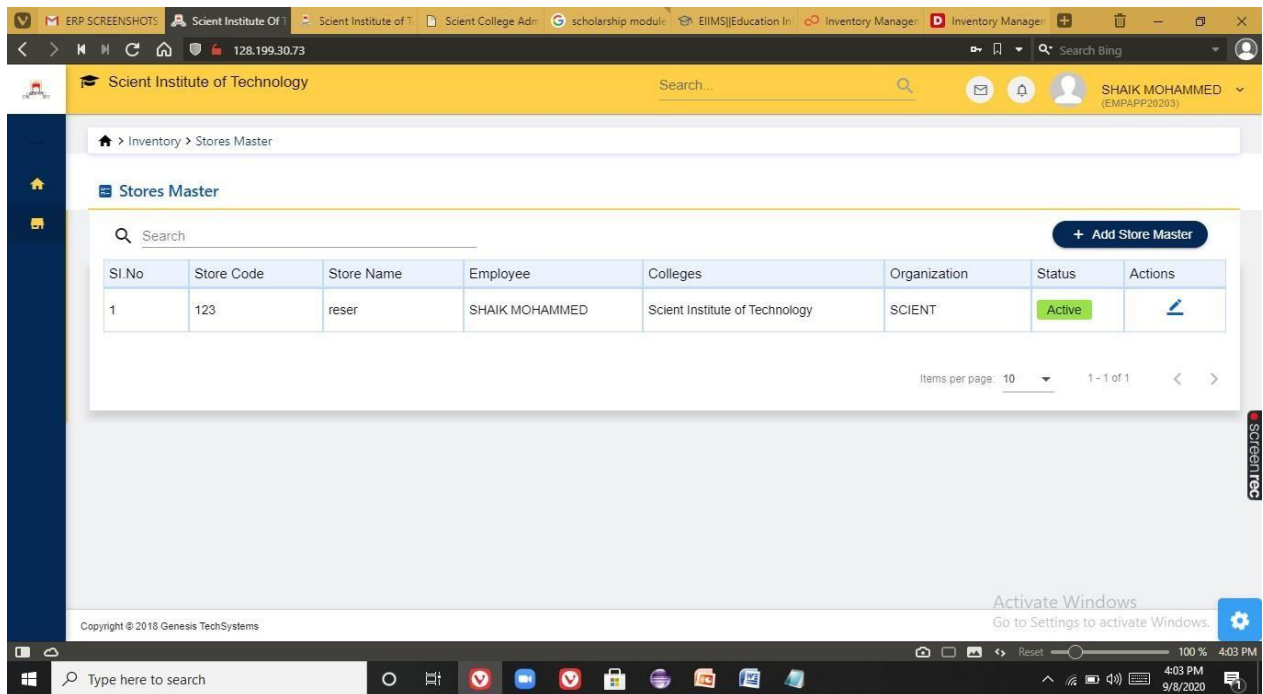Scient Institute of Technology
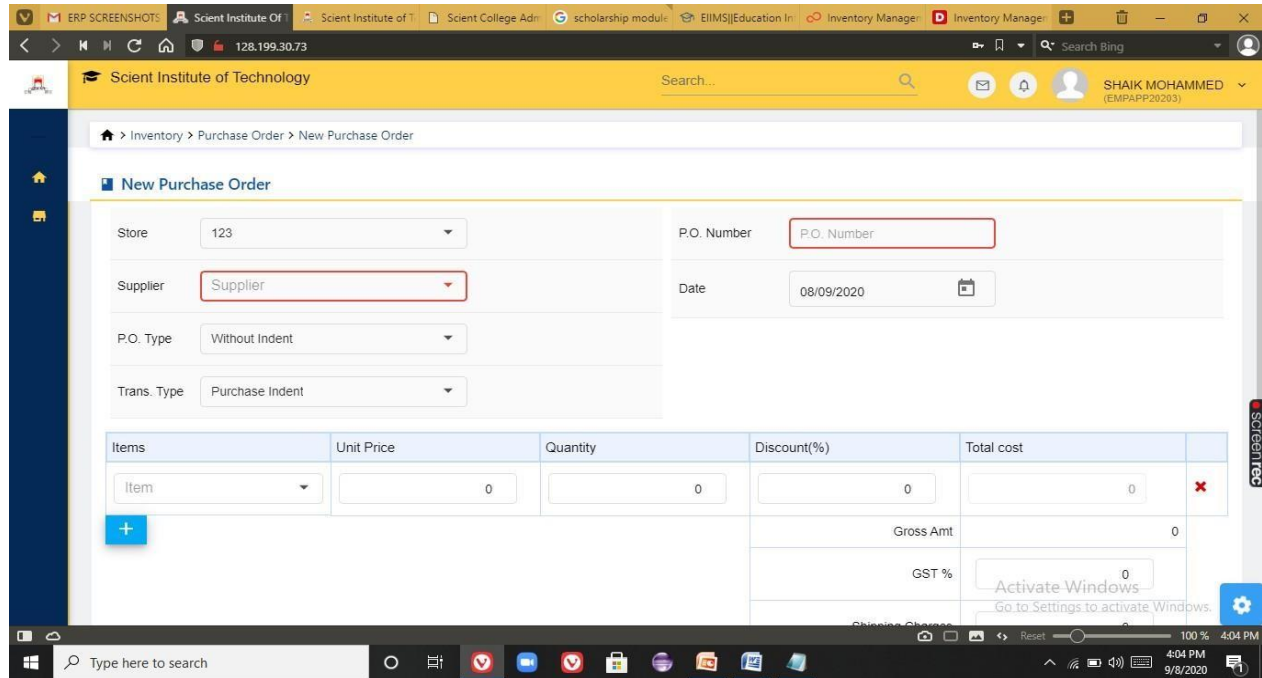Ibrahimpatnam, R. R. Dt.-501 56
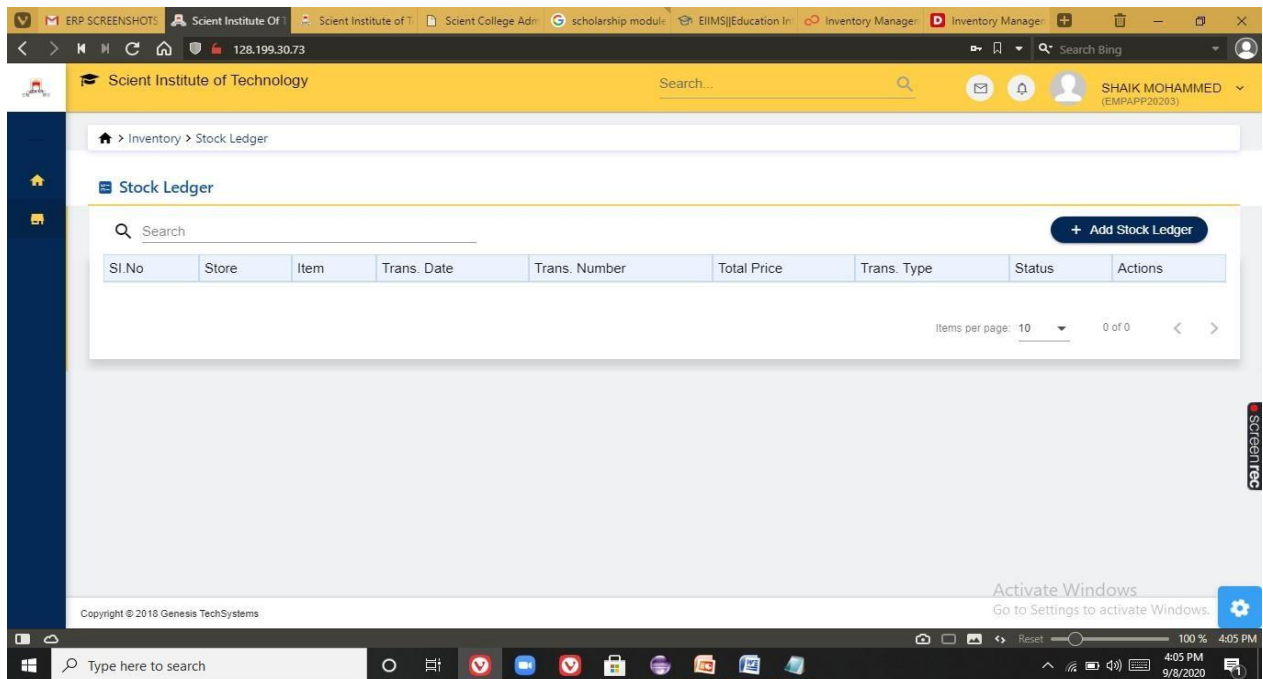
Fig 3: New purchase order generations

Fig 4: Stock ledgers

CCTV EQUIPMENT SCREENSHOT

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FINANCE AND ACCOUNTS

Tally Software has been used for payslip generation, college tuition fee payment details, transport fee details etc.
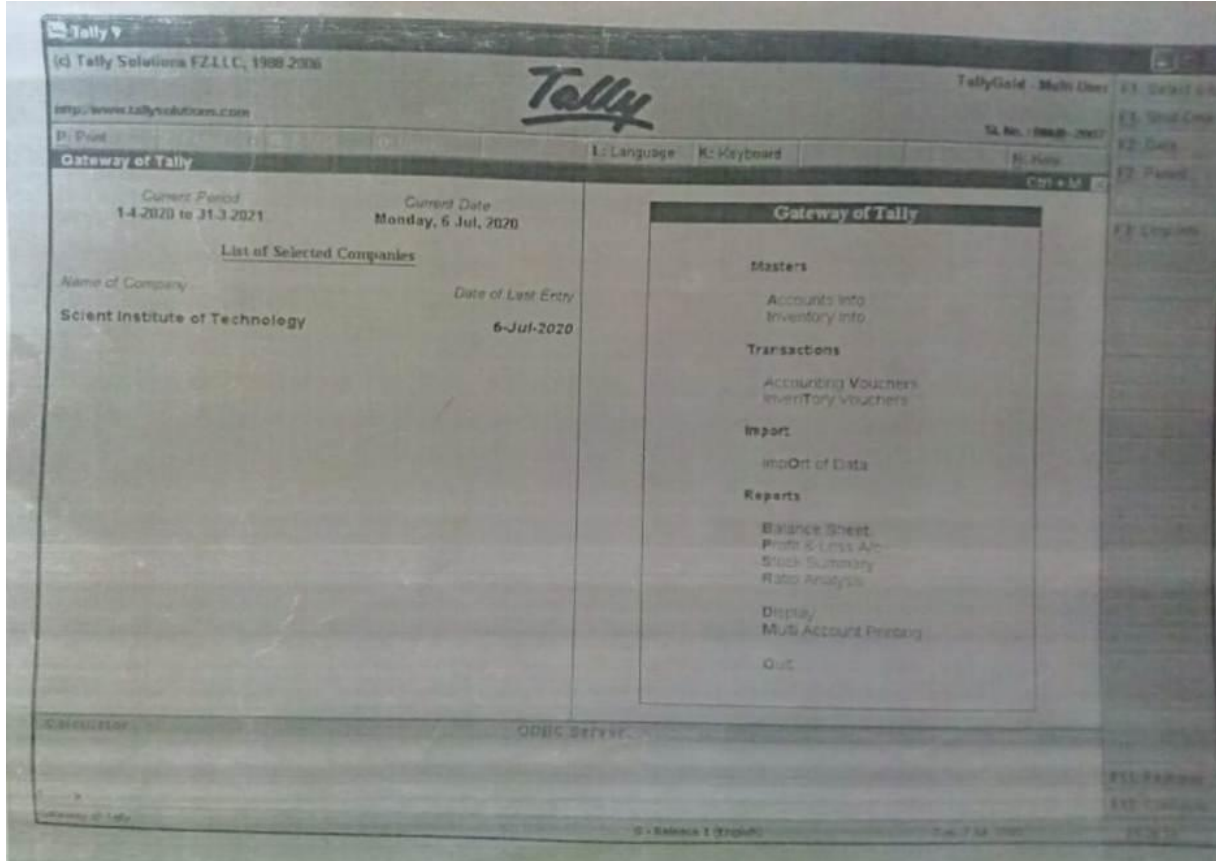
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SNTI COLLEGE AUTOMATION

8) ACCOUNTS AND FEES

This module is managed by admin.Using this module he can create fee masters like creating fee structure,Fee particulars,Fee categories,Fee collection,Generation of reports

Under fees collection session admin can perform following activities

- Allocate fees to student
- Bus fee payment
- Library fee payment
- Generating fee receipt
- Fee receipt refunds
- Student fee collection
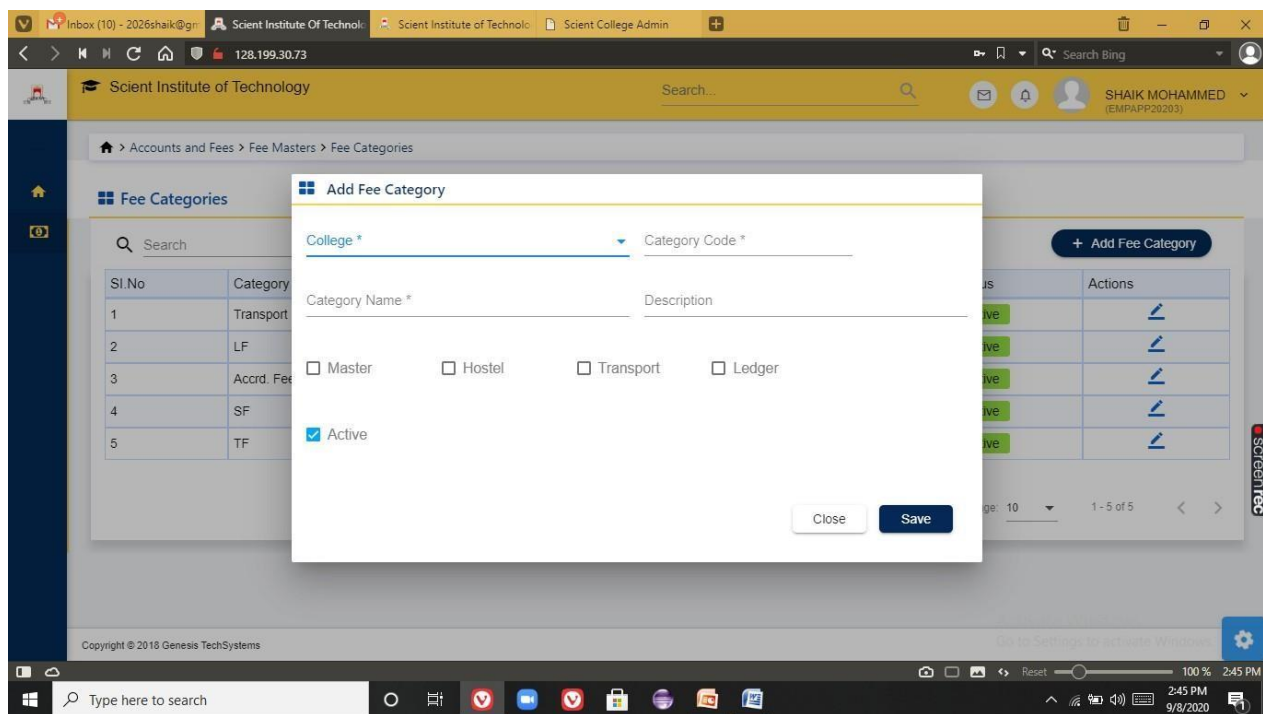- Faculty bus fee collection

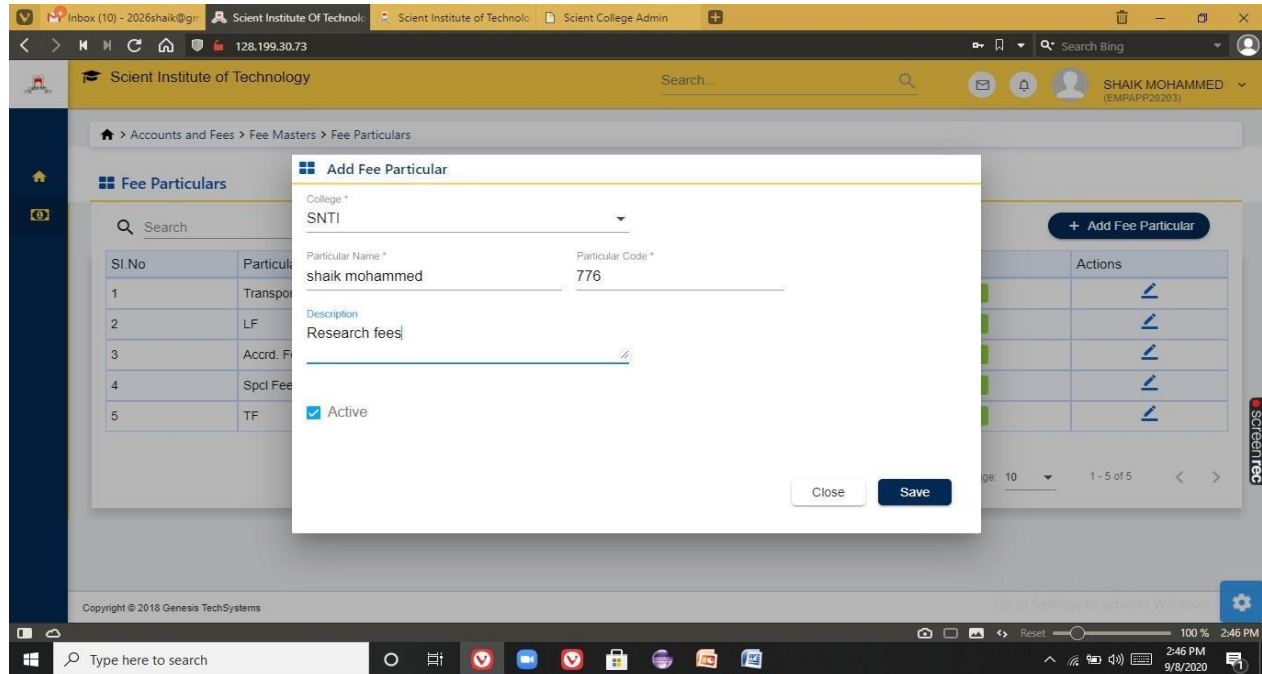**Fig 1 : Adding fees category**

Fig 2 : Adding fee particulars
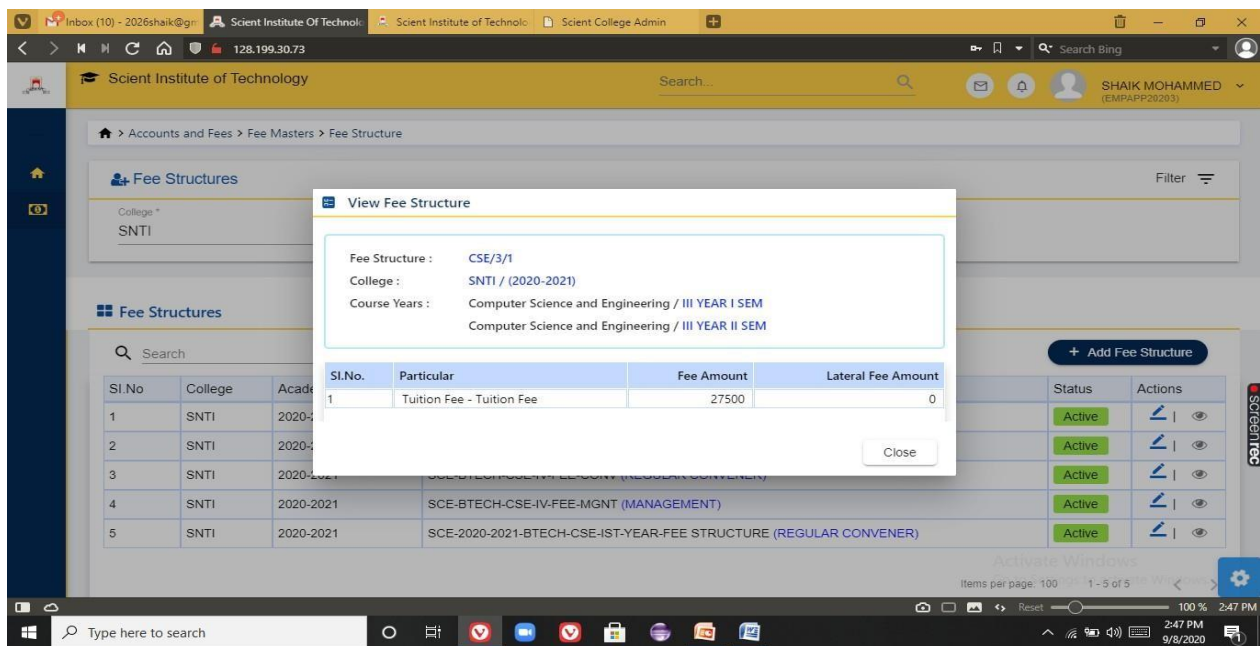
Fig 3 : View fee structure of a student

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Fig 4 : Allocation of fee structure

Fig 5 : Fee payment by a student

Fig 6 : Bus fee payment status of a student

Fig 7 : Library fee payment

Fig 8 : Tracking the details of student fee collection

Fig 9 : Getting scholarship report of the students

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15) INVENTORY MANAGEMENT SYSTEM

Inventory management ERP software module is a complete system that offers integrated, interactive management of all your inventories, including physical stock room, in-transit, consigned and others.Using this module following operations to be performed

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- UOM master
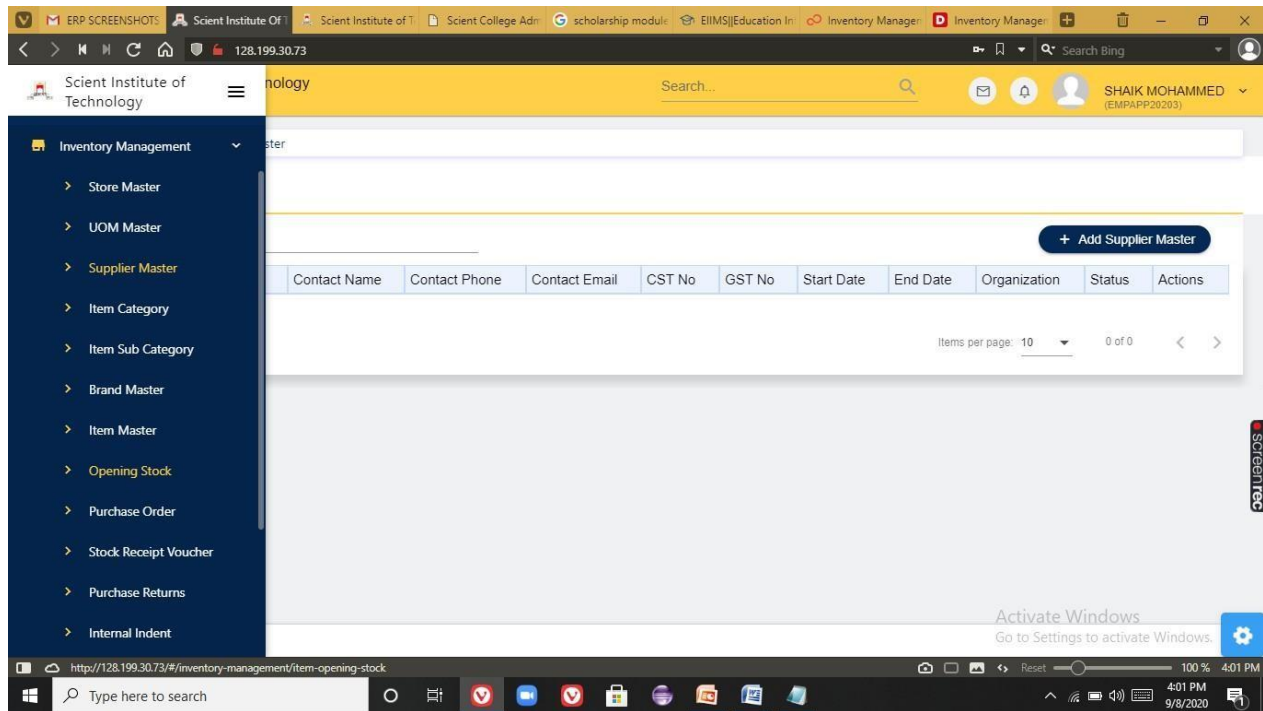- Supplier master
- Purchase orders
- Stock ledger

Fig 1: Inventory management system

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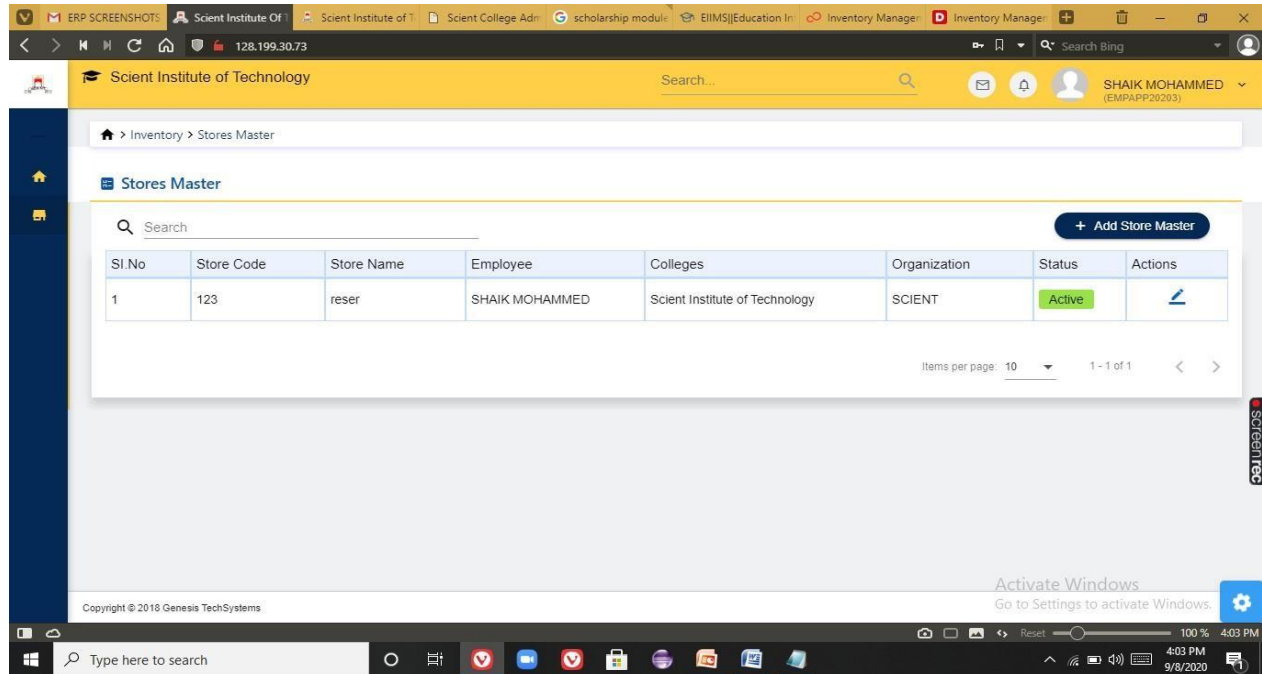Ibrahimpatnam, R. R. Dt.-501 56.
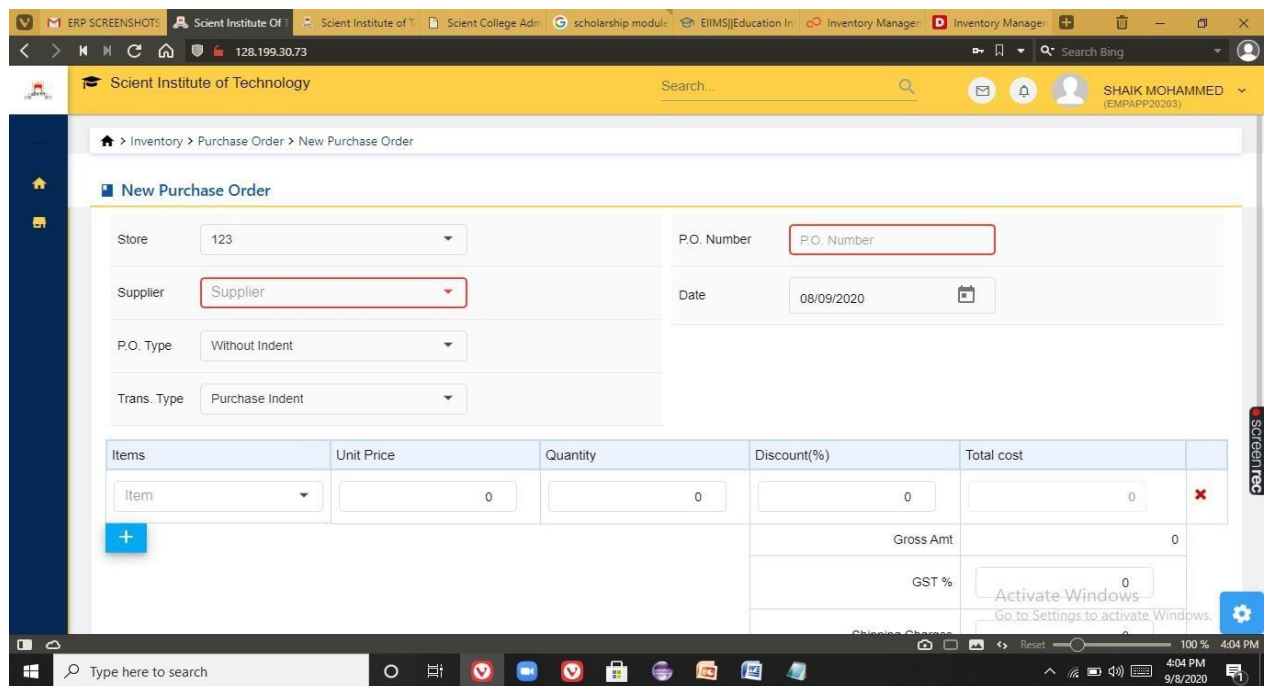
Fig 2 : Store master

Fig 3: New purchase order generations

PRINCIPAL
Scient Institute of Technology
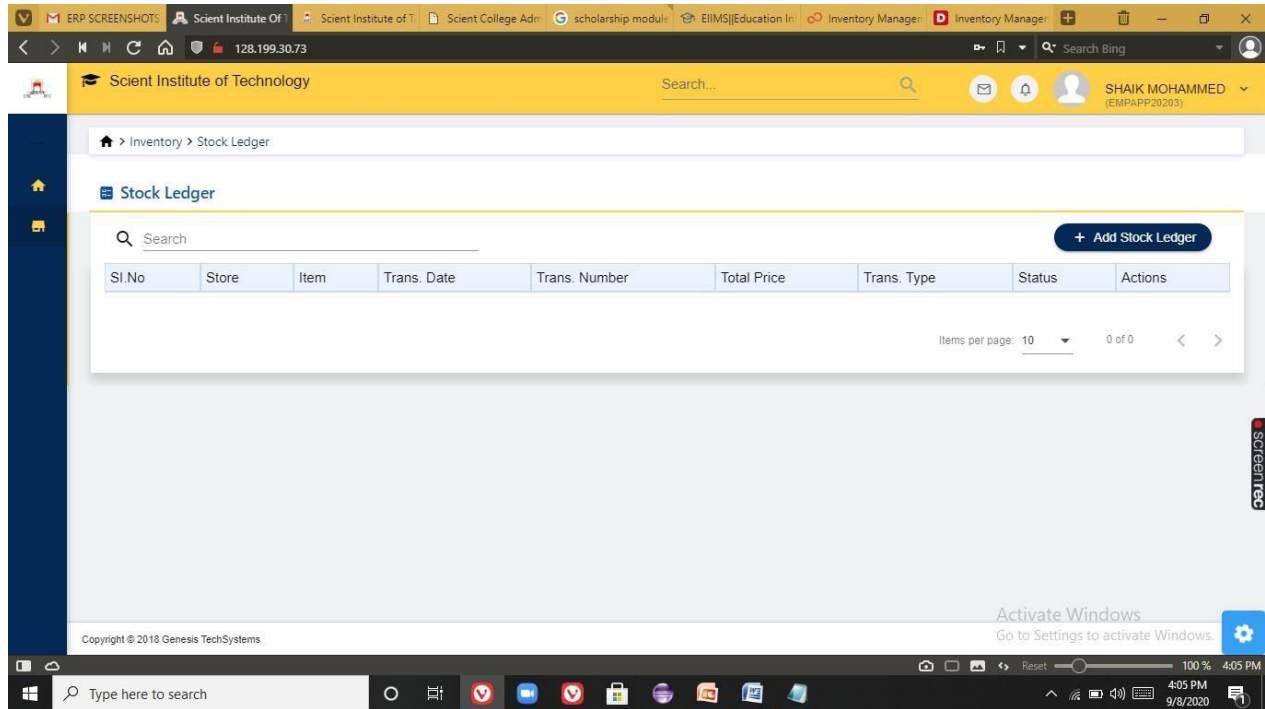Ibrahimpatnam, R. R. Dt.-501 506

Fig 4: Stock ledgers

STUDENT ADMISSION AND SUPPORT

2) ADMISSIONS

The admission module in our software creates admission criteria and conducts admission procedure online through a portal. The institute works with ease through the online admission process and avoids any loss of data because of manual admission of students. The online admission will only benefit the institute to keep a list on the inventory of the student details in hand, with you is getting admitted and who is leaving the institute; at whichever point of time.The functionalities in admission modules are New Enquiries to admission,List of Enquiries,Application form.

Fig 1 : Operations performed in Admissions module

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Fig 2 : Enquiry form

Fig 3 : List of Enquiries

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Fig 4 : New Application form

Fig 5 : Applicants list

4) STUDENT INFORMATION SYSTEM

In this module we can extract the details of students.Using this module we can add student details,List of students detained and promoted,Passedout students information,subjects allotted to the students.Admin can generate the roll num of a student.Operations performed in this module are:

- Student Details
- Student promotions
- Students Detain
- Student Re-Admission
- Student Discontinue
- Generate Student Roll No
- Student Subjects

Fig 1 : Operations performed in Students Information System

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Fig 2 : Student details

Fig 3 : Student promotions

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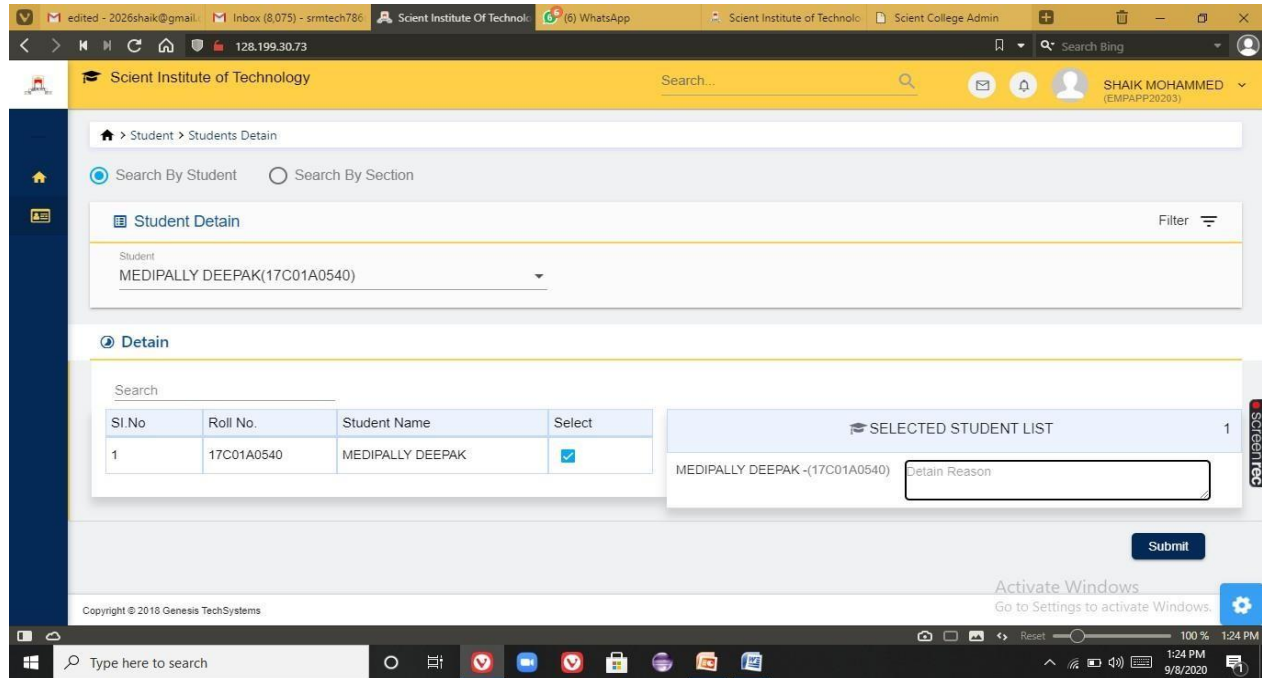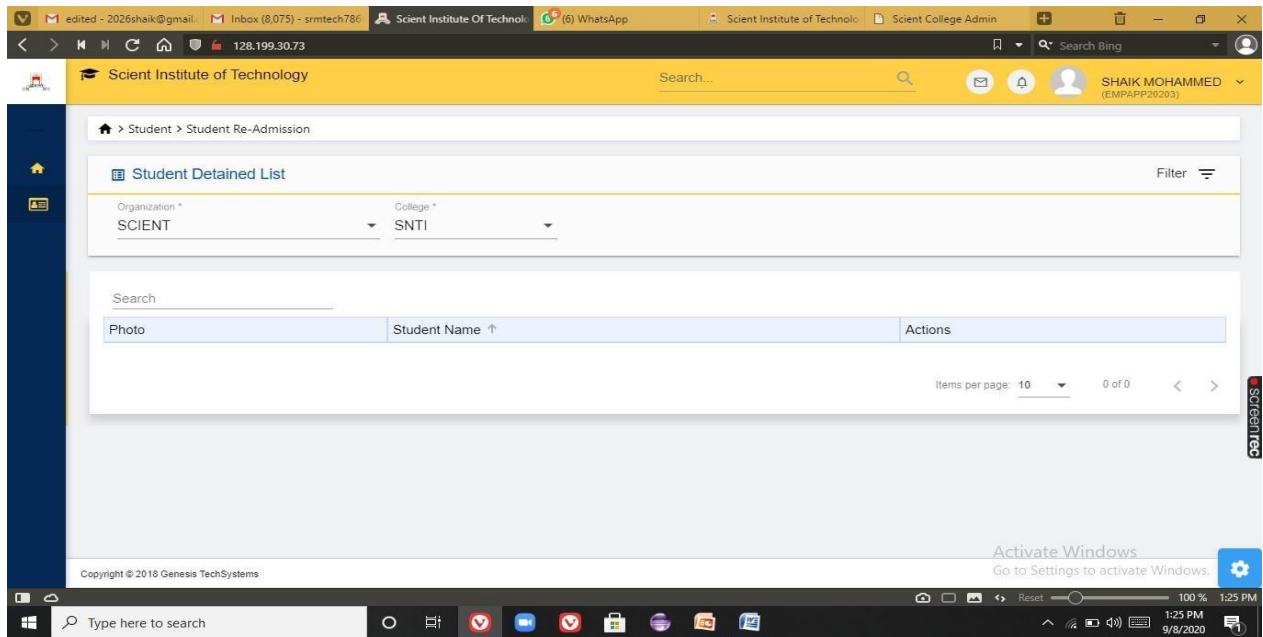Ibrahimpatnam, R. R. Dt.-501 506

Fig 4 : Detention of the student

Fig5: To extract the list of students detained

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Fig 6 : List of subjects allotted to the students

9)SCHOLARSHIP MANAGEMENT

This module stores all the types of scholarships, and the list of all the students who have applied for scholarship. Scholarships are applied by college on behalf of the students, which are sanctioned by government and trusts. Each and every student scholarship details are monitored by administrative officer in very ease mode since they have all details of applied student in very proper arranged manner. Functionalities in this module are

- Scholarship application
- Scholarship proceedings
- Account proceedings

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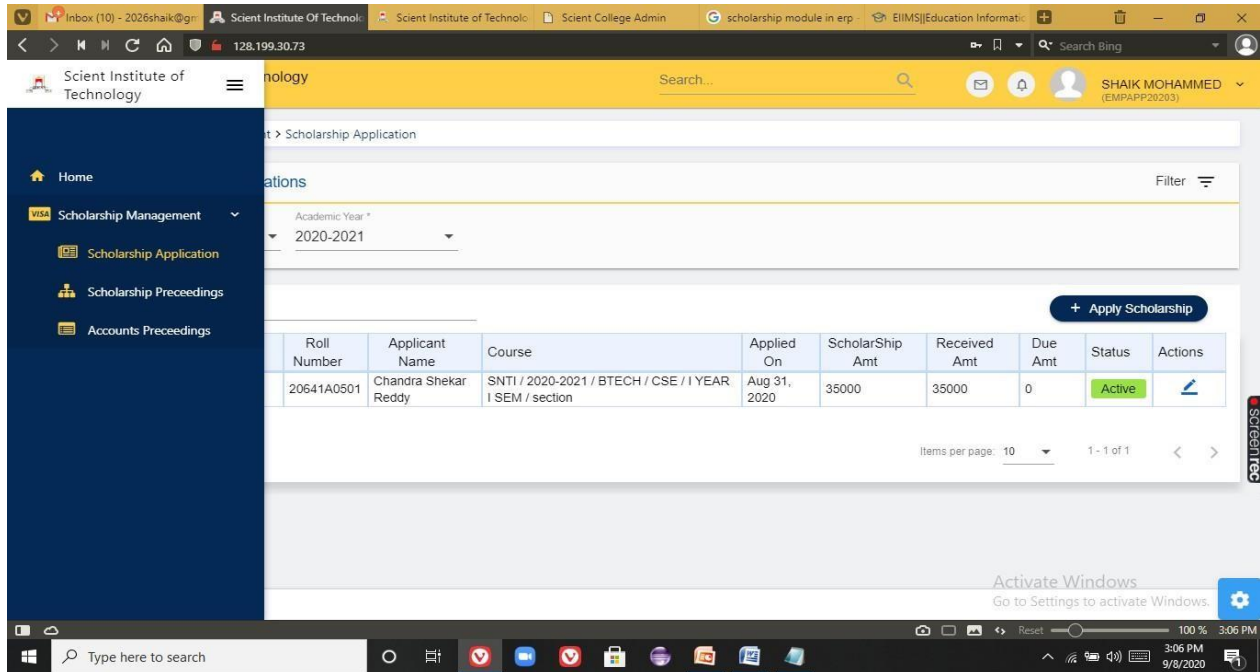(NAAC Accredited, Approved by AICTE & Affiliated to JNTUH)

Fig 1 : Scholarship Management
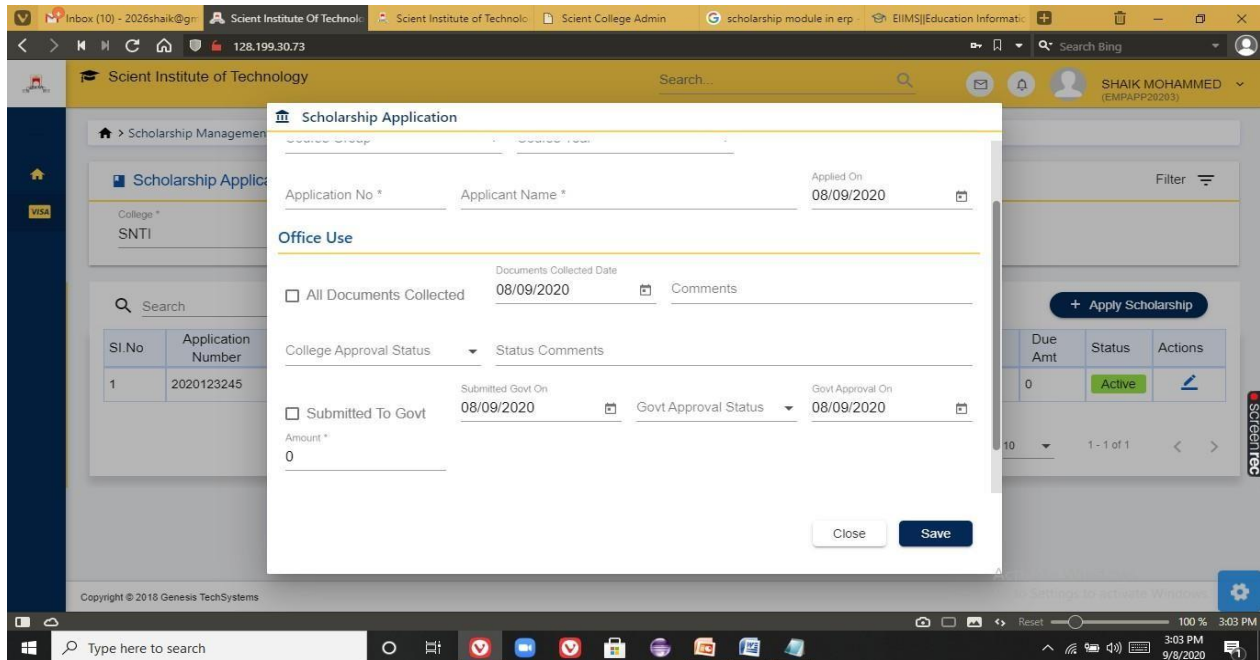
Fig 2 : Scholarship application

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Fig 3 : Scholarship proceedings

Fig 4 : Accounts proceedings

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10) LIBRARY MANAGEMENT

This module is designed and developed to provide a refined and the best of solution which aims at bringing in Quality in Management of books, journal, article, newspapers, charts, reports etc.It focuses on excellent coordination between Library and students making e-library management system. This module provides, online integrated information of Students to the Library administrators, thus enabling smooth connectivity with powerful security and privacy features. Library ERP provides, online integrated information of Students to the Library administrators, thus enabling smooth connectivity with powerful security and privacy features.
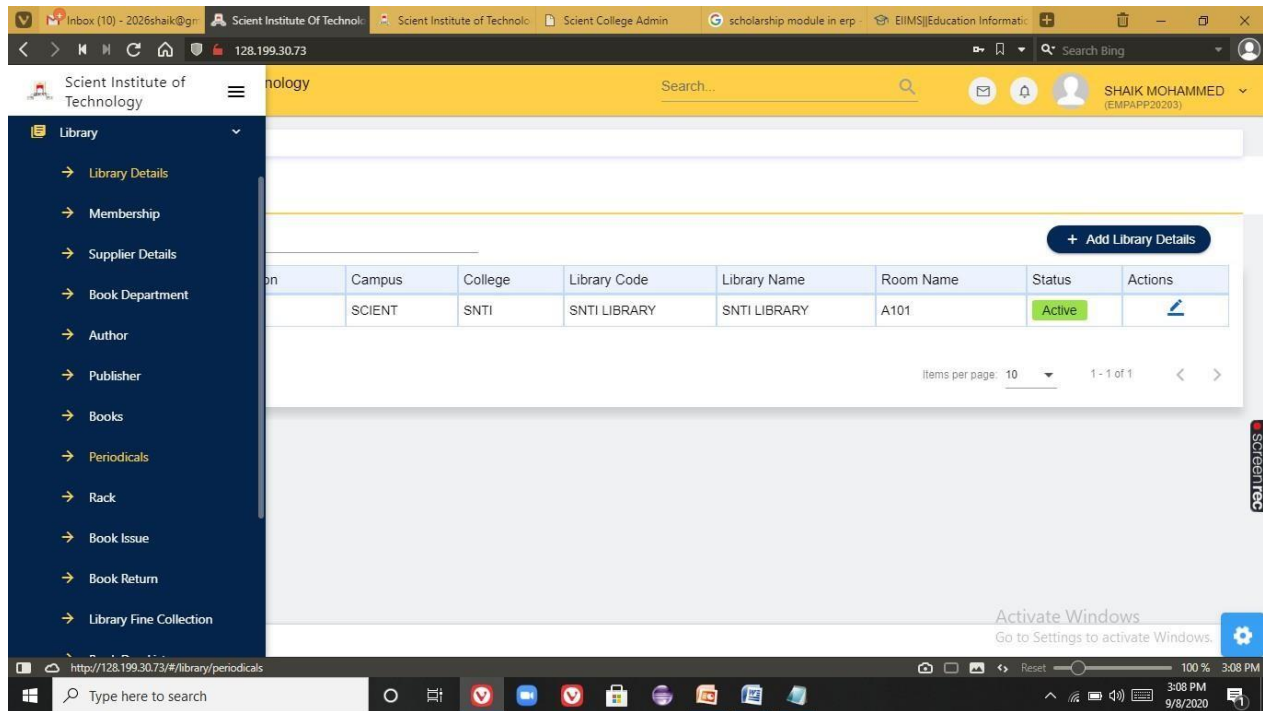

Fig1 : Details of library

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Fig 2 : Library membership

Fig 3: Supplier details

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Fig 4: Adding of book department.

Fig 5: Tracking author details

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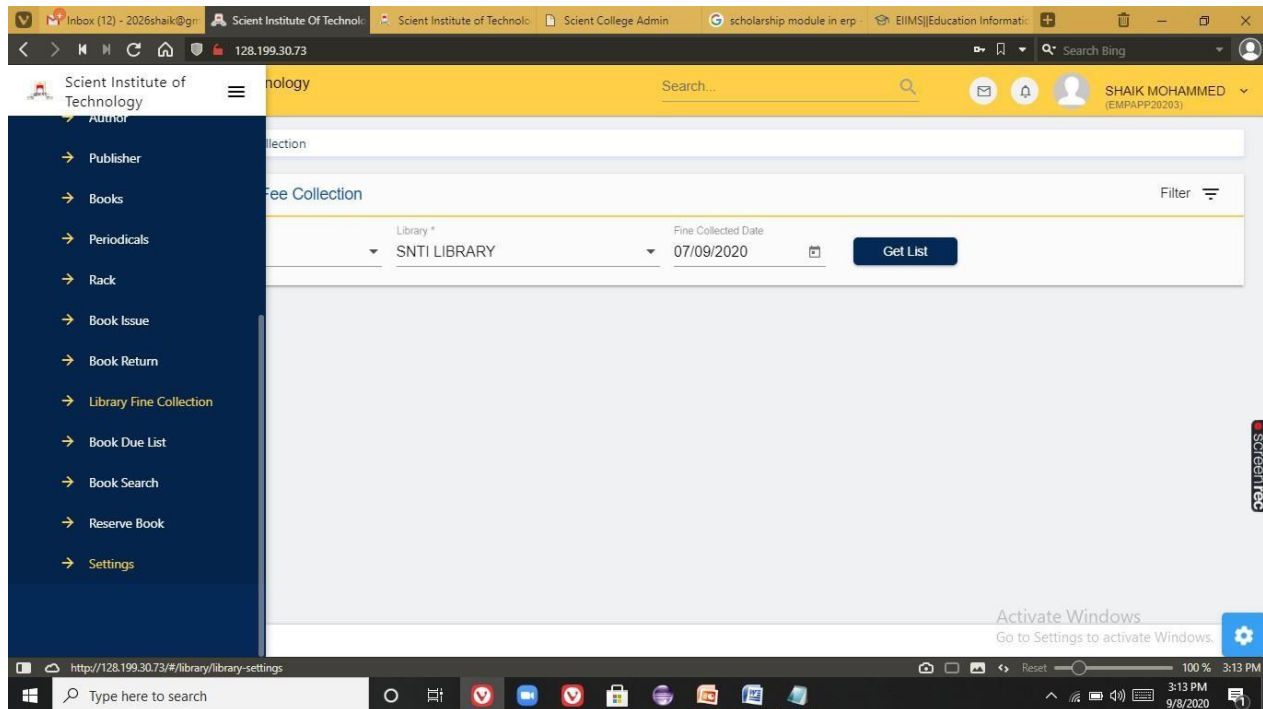
Fig 6 : Library fine collection

11)TRANSPORT MANAGEMENT

Transportation management module comprehensively handles the complete transportation process and ensures systematized, timely and safe transportation facilities for its students. With modules for allocation of vehicle to a particular route, setting up fees based on the criteria like distance/ area.Operations performed in this module are:

- ➢ Transport details
- ➢ Add Vehicle
- ➢ Add driver
- ➢ Add helper
- ➢ Transport distance fees
- ➢ Add route
- ➢ Map Vehicle Driver
- ➢ Map Vehicle Route
- ➢ Transport Allocation

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Transport Distance Fee

Sl.No	From KM - To KM	Fee Frequency	Amount	Transport	From - To Dates	Status	Actions
1	0KM - 10KM	Yearly	20000	Transport	December 31, 2019 - December 30, 2020	Active	✎

Route

Sl.No	Service Number	Route Code	Route	Route Stops	Status	Actions
1	123	HYD	HYD - SCE	MGBS (8:00 AM - 8:50 AM)	Active	✎ | Route Stops

Transport Allocated List

Sl.No	Traveller Name	Traveller Type	Academic Year	Pick Up Point - Drop Point	From Date - To Date	Status	Actions
1	ARAVIND REDDY (EMPAPP20202)	Employee	2020-2021	MGBS - MGBS (HYD)	January 1, 2020 - December 31, 2020	Active	✎
2	Chandra Shekar Reddy (20641A0501)	Student	2020-2021	MGBS - MGBS (HYD)	January 1, 2020 - December 31, 2020	Active	✎

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Fig 1 : Distance fees,route,bus fee payment

17)FEEDBACK

Feedback module provides a platform to Students, Staff, Parents, Alumni etc. to give their feedback in different areas/activities on campus.
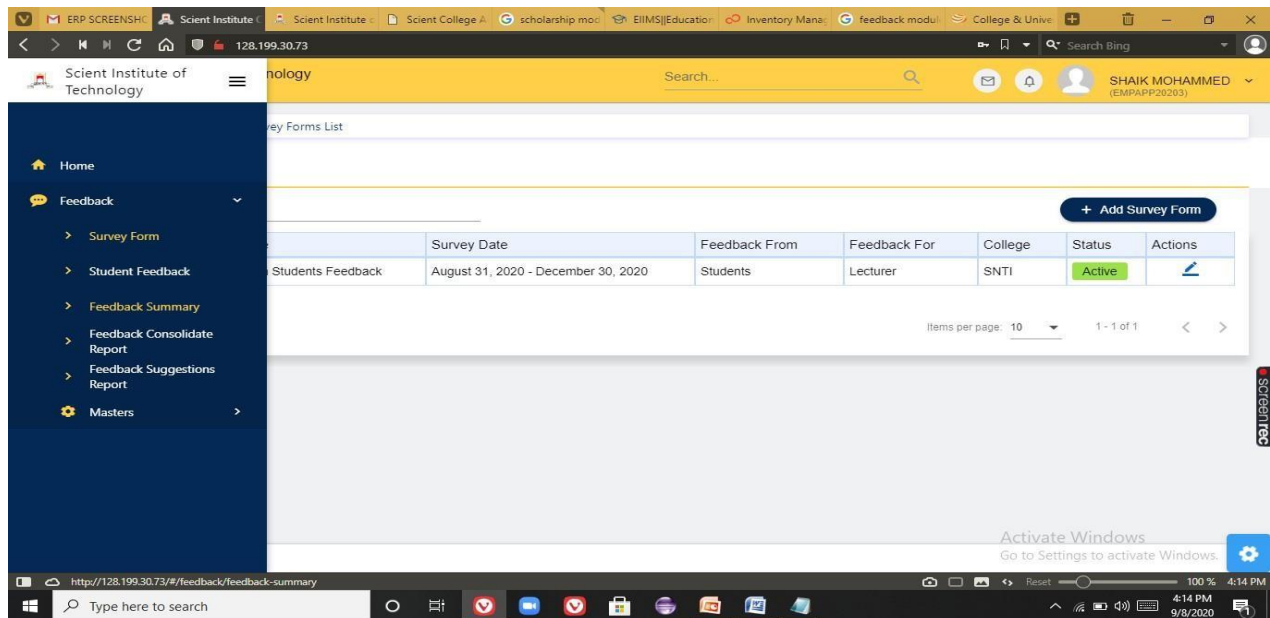

Fig 1 : Feedback

Fig 2: Survey form

Fig 3: Student feedback consolidated report

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BENEFITS OF ECAP

Library of Scient institute of technology is automated by Integrated Library Management System (ILMS). ECAP stands for Engineering College Automation Package. It is designed and developed by Webpros Solutions Pvt. Ltd., Visakhapatnam. ECAP aims at immediate availability of data in required formats to ease the work of staff and management and increase in transparency and accountability in administration.This software is exclusively used for our institution library

Fig1 : Homepage of ECAP

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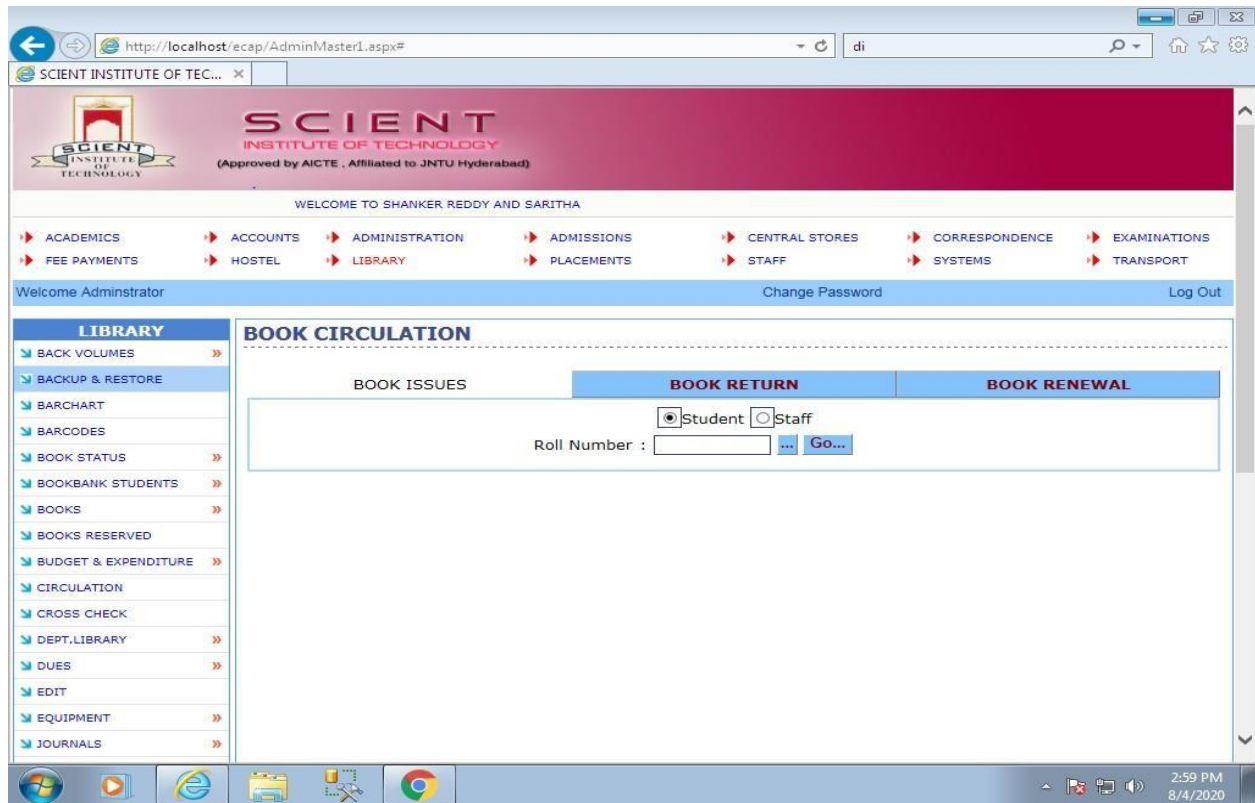Ibrahimpatnam, R. R. Dt.-501 56
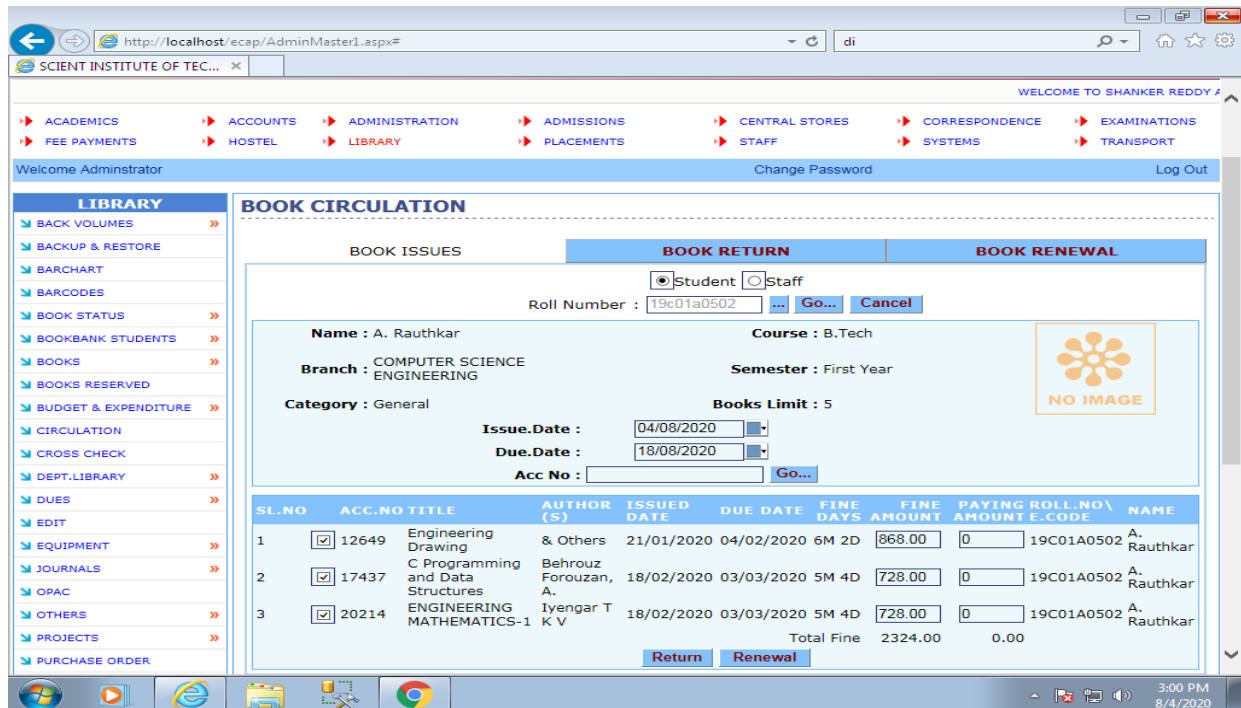
Fig 2 : Book circulation

Fig 3: Details of book circulation

EXAMINATIONS

SNTI COLLEGE WEBSITE

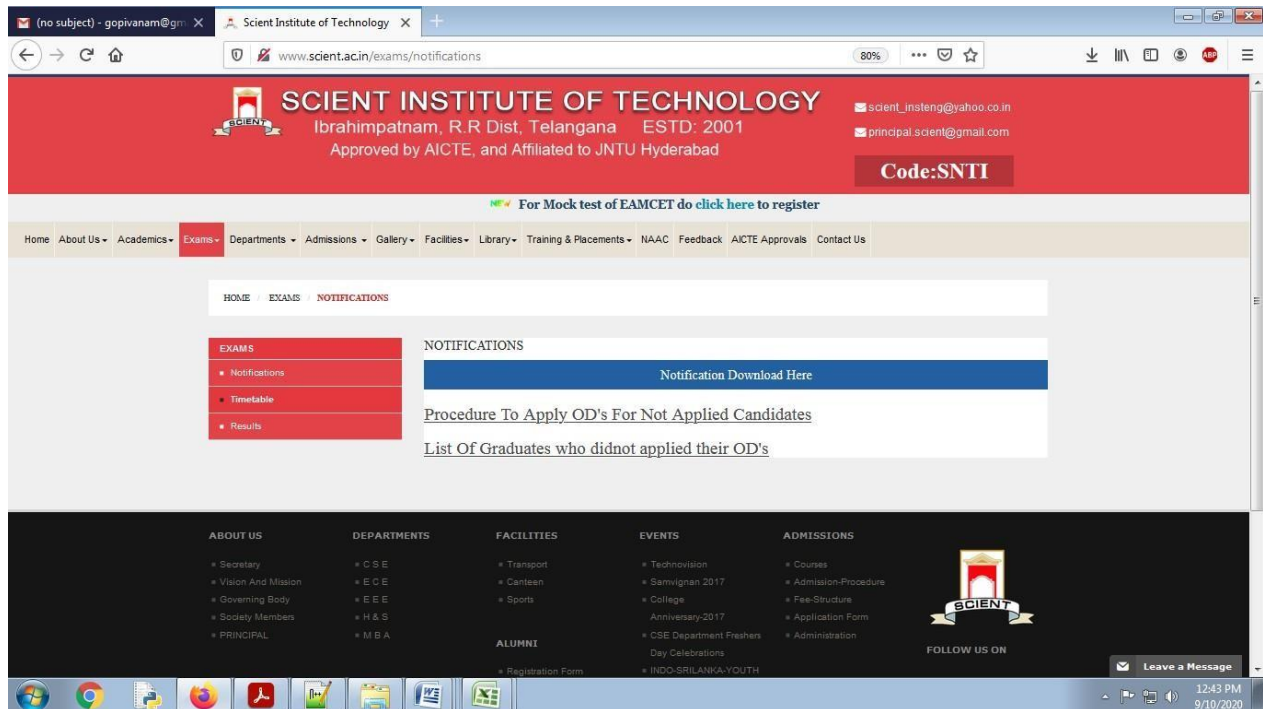SNTI college examination module consists of information regarding time-tables, notifications, and results.

Fig1. : Time-tables, notifications and results.

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14) EXAMINATION MANAGEMENT

This module is an important task for the evaluation of student abilities and performance. It includes all the process like examination setup, examination marks entry. We can maintain all the details of internal/external exams, theory/practical test, teacher wise internal assessment and we will get automatic result and print marks sheets. Using this module student exam attendance reports, marks memo report etc can be generated. Operations performed using this module are:

- ➢ Exam masters
- ➢ Pre Examination
- ➢ Post Examination
- ➢ Exam reports
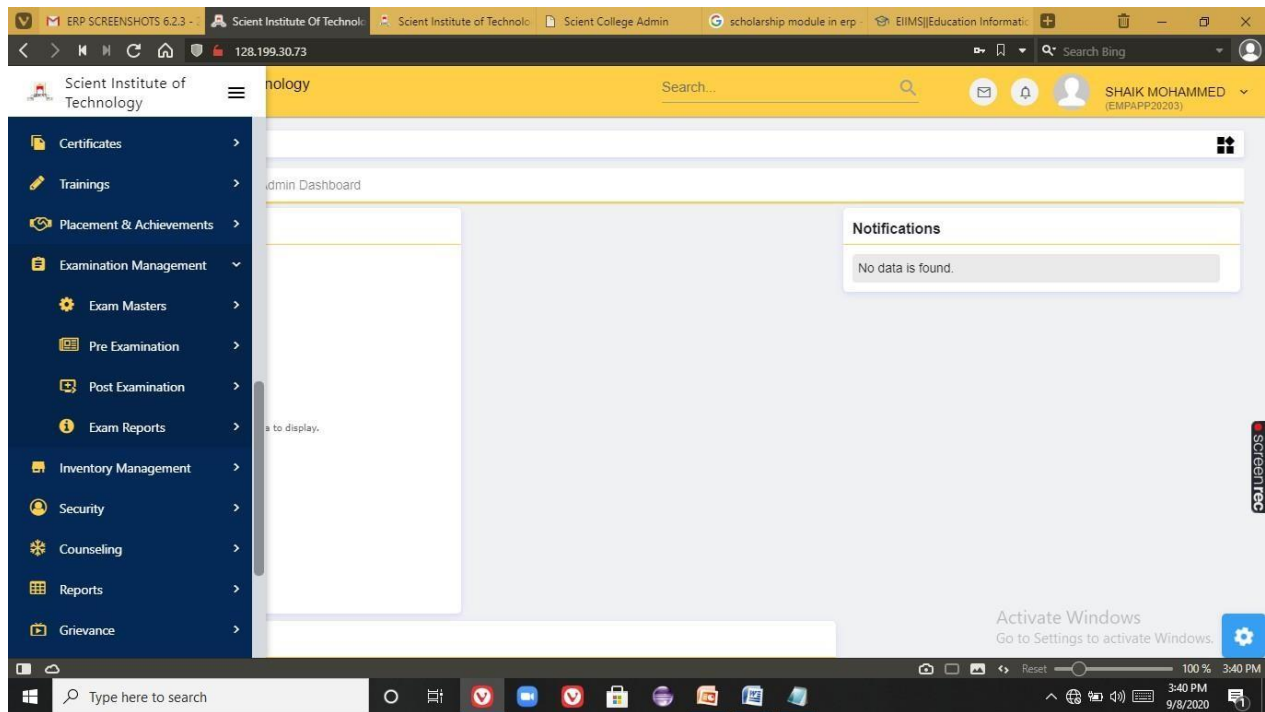
Fig 1 : Examination management functionalities
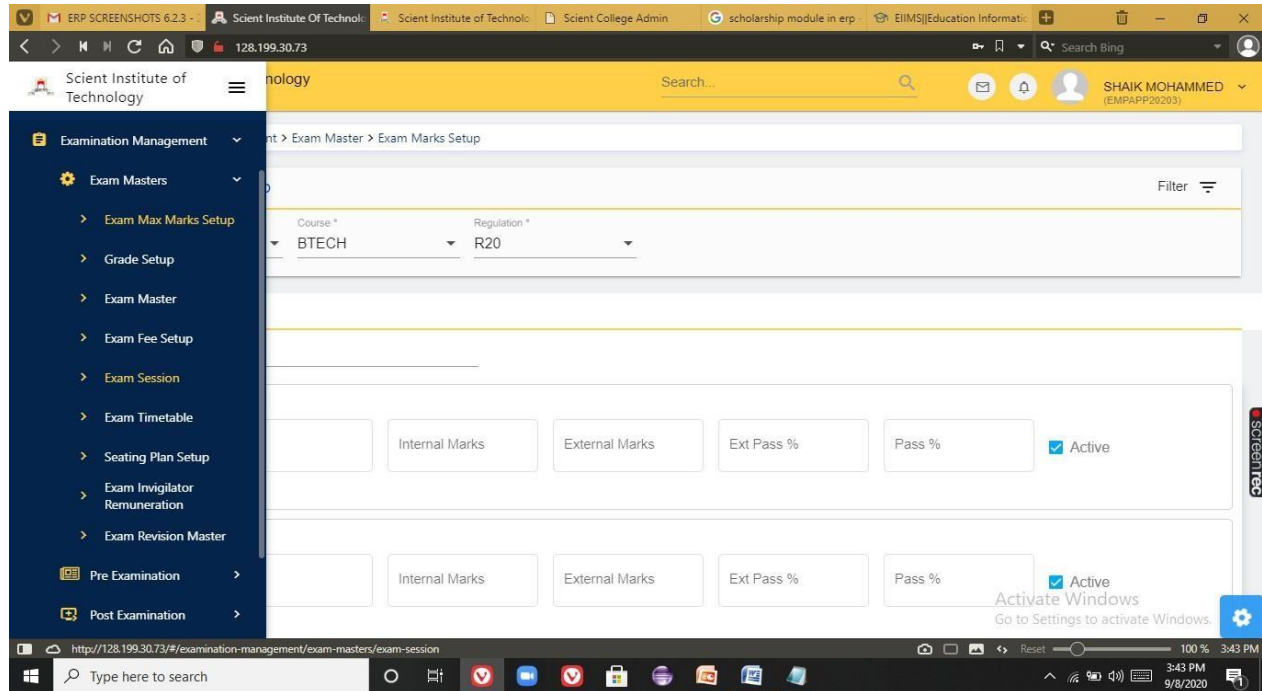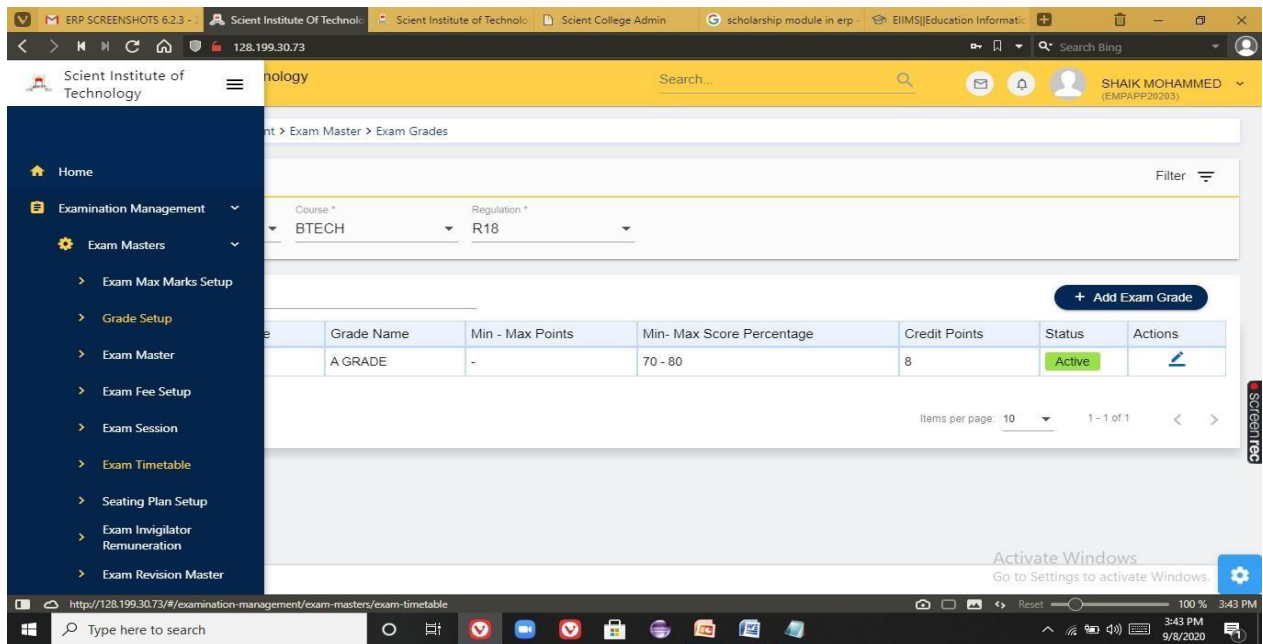
Fig 2 : Exam Marks setup

Fig 3 : Grade setup

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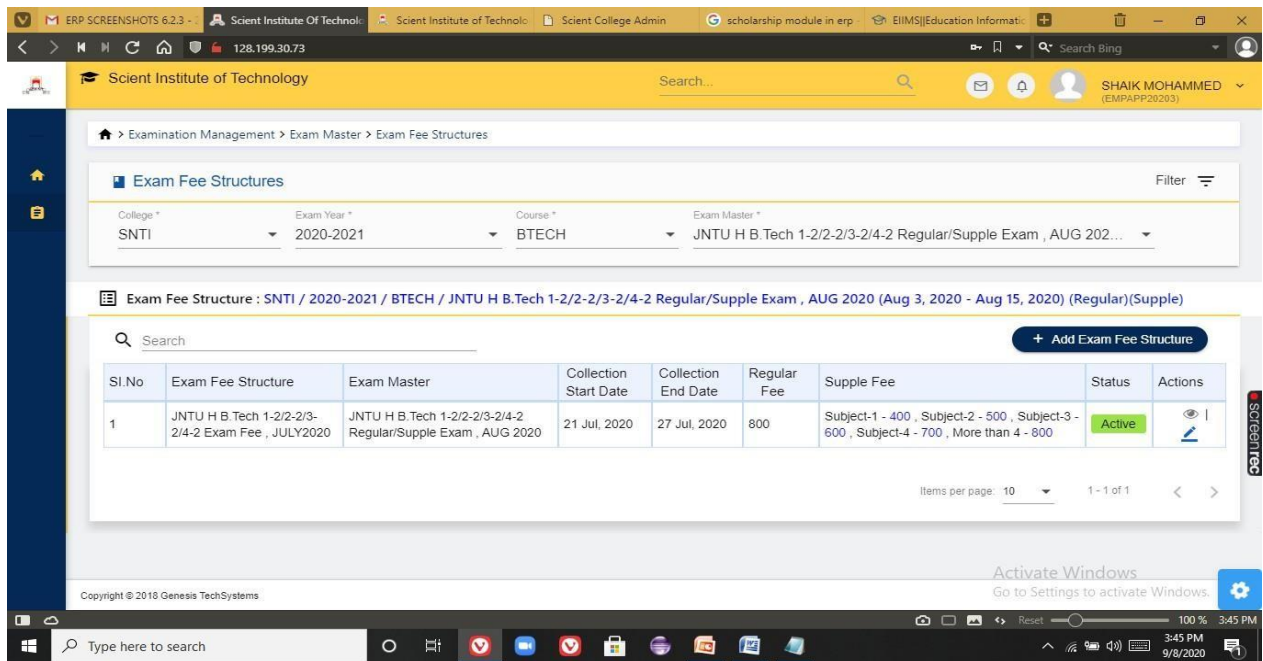Ibrahimpatnam, R. R. Dt.-501 506
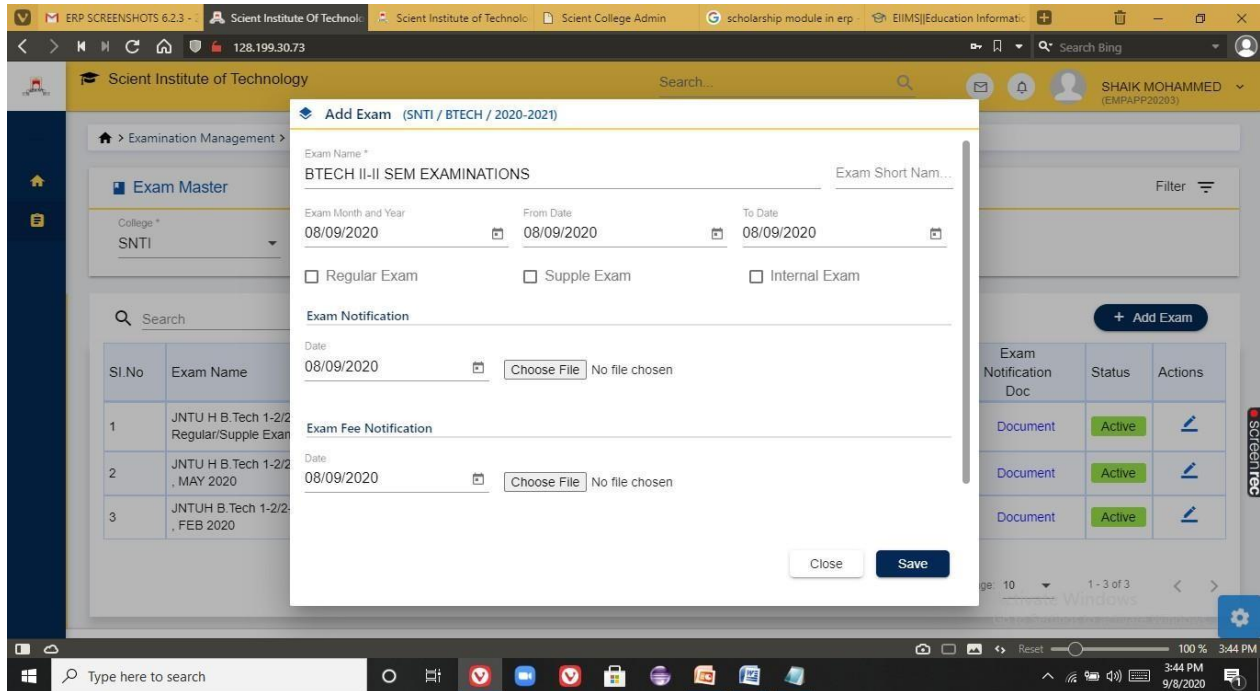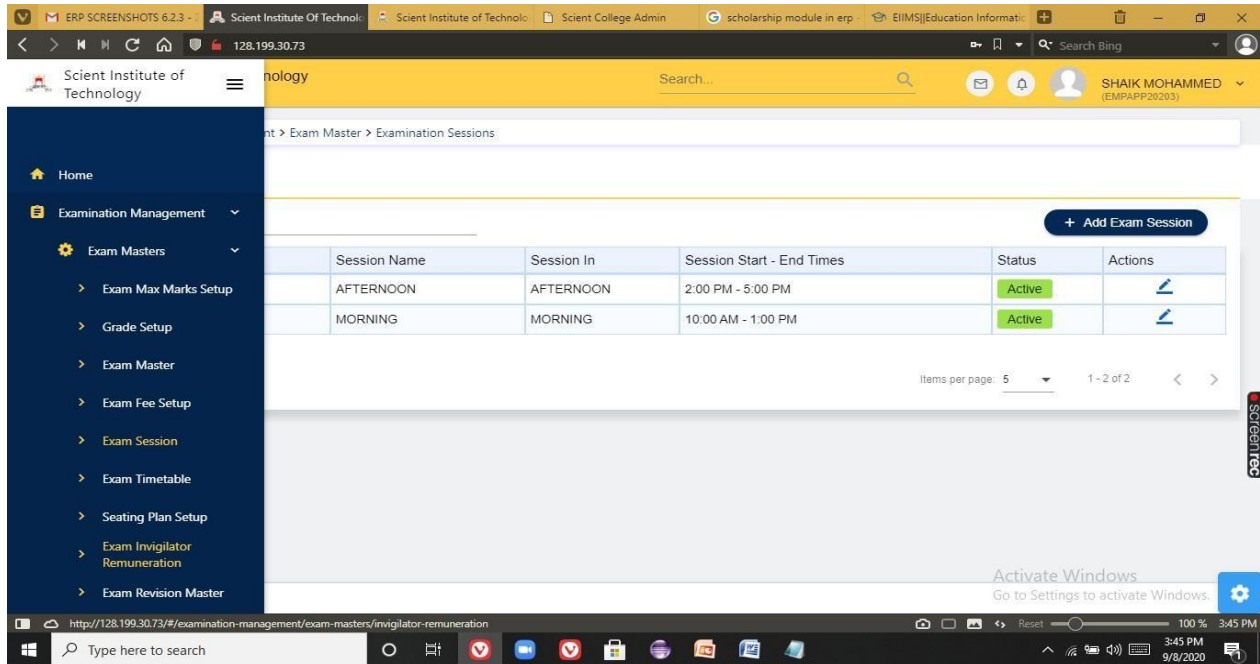
Fig 4 : Creating an exam

Fig 5: Exam fee collection

Fig 6 :Examination sessions
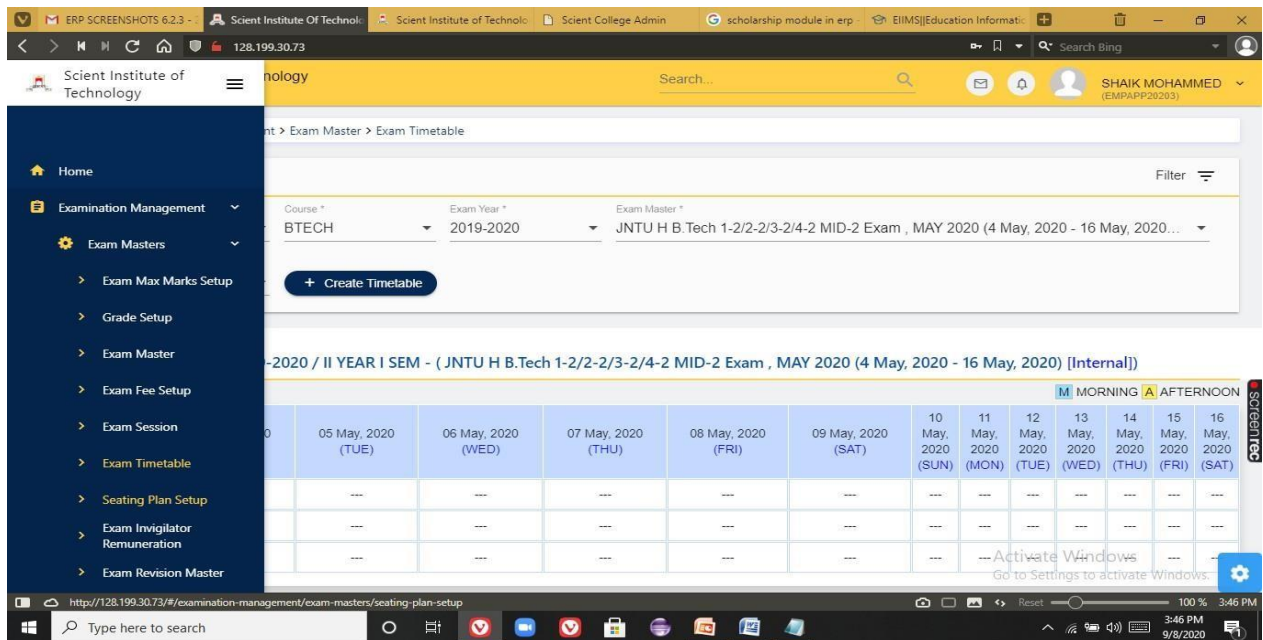
Fig 7 :Exam timetables

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Fig 8: Seating plan arrangements

Fig 9 : Invigilator remuneration

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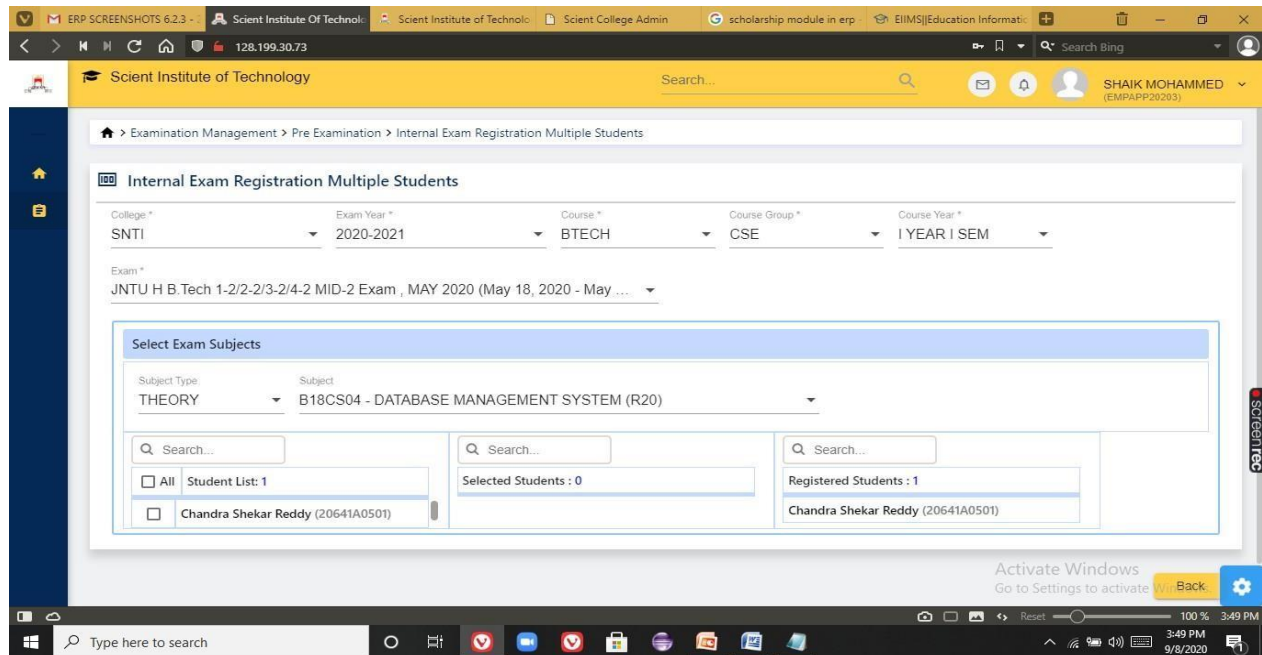Scient Institute of Technology
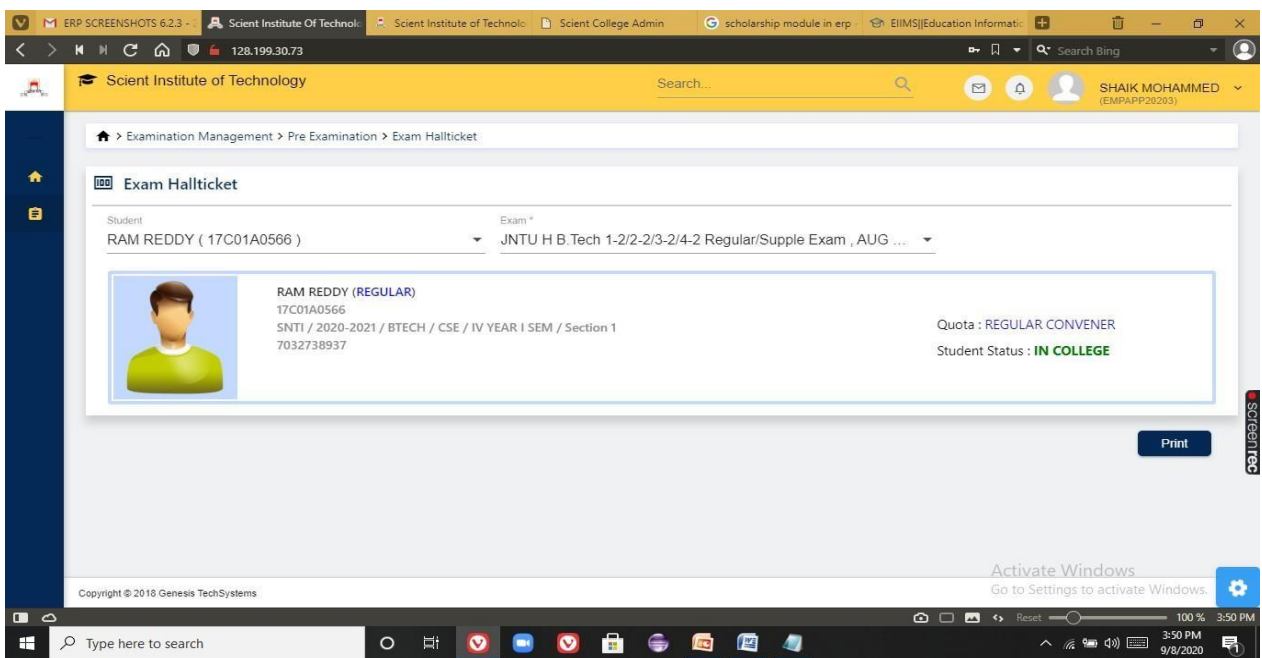Ibrahimpatnam, R. R. Dt.-501 506

Fig 10 : Internal exam registration

Fig 11 : Student hallticket

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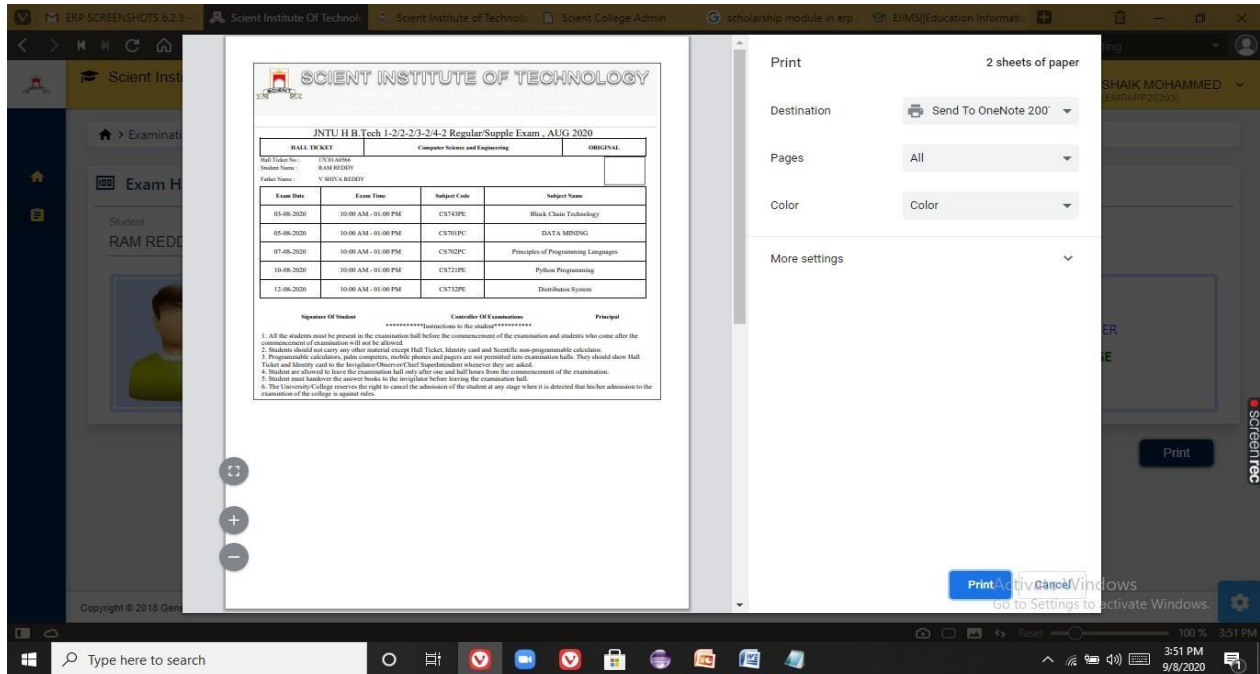Ibrahimpatnam, R. R. Dt.-501 506
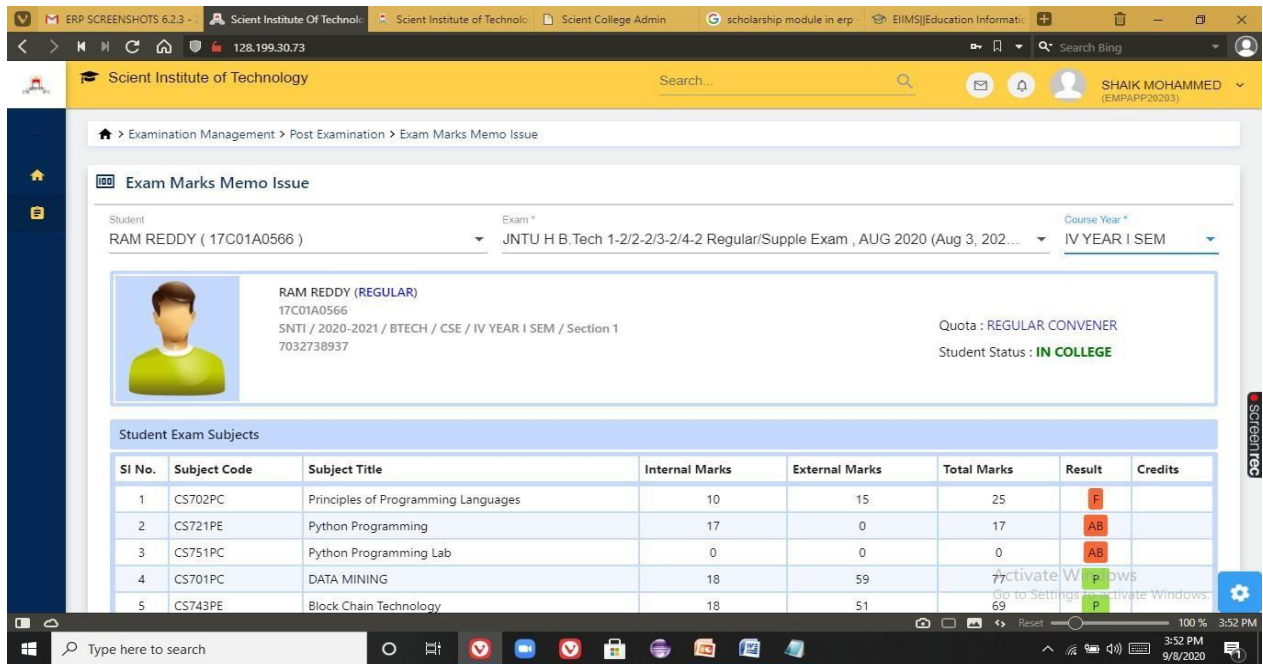

Fig 12: Printing student hall ticket

Fig 13 : Marks memo issuing to students

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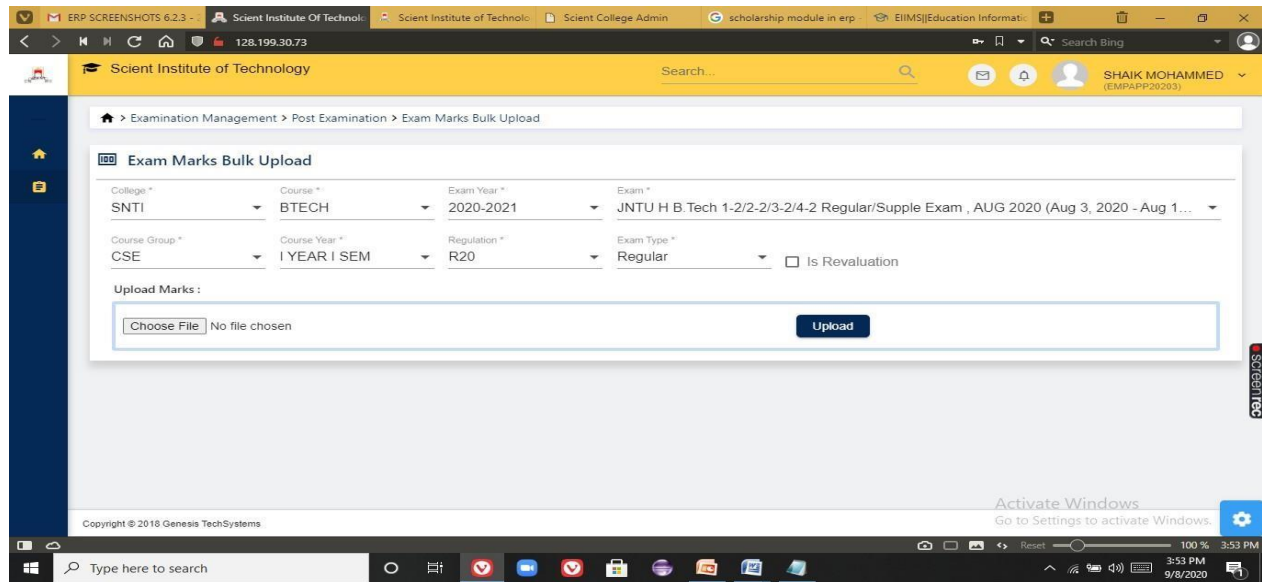Ibrahimpatnam, R. R. Dt.-501 50

Fig 14: Exam marks upload

JNTUH EXAMINATIONS PORTAL

Scient Institute of Technology is affiliated to JNTU Hyderabad, hence SNTI is given access to JNTUH, Examinations Portal at free of cost. All the communications and transactions will b done through this portal.

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