



**6.2.3. ERP DOCUMENT**

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### **6.2.3. ERP DOCUMENT**

## **1. ECAP- Engineering College Automation Package**

### **Introduction to ECAP**

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.

### **Package Highlights:**

- Internet or Intranet enabled application
- User levels with access rights for data security
- Course/Batch/Category/Student fee dues reports
- Tracks performance of scholarship students
- Fee/Attendance reminders and progress reports
- Attendance & Marks analysis
- Integration with attendance capturing devices
- Accounts module similar to Tally
- Payroll integrated Staff module
- Barcode integrated Library module
- Login for students/parents to access data online

### **Modules are as follows:**

- 1. ADMIN**
- 2. ACADEMICS**
- 3. PLACEMENTS**
- 4. CORRESPONDENCE**
- 5. ADMISSIONS**
- 6. EXAMINATIONS**
- 7. EMPLOYEE**
- 8. LIBRARY**

## **Benefits of ECAP:**

Campus automation software enables institutions of higher learning including colleges to manage admission and learning processes. They are designed and developed to provide real help in managing enrollment of students; attendance; monitoring faculty; providing fee details; scheduling assignments; grading students according to their performance and maintaining library.

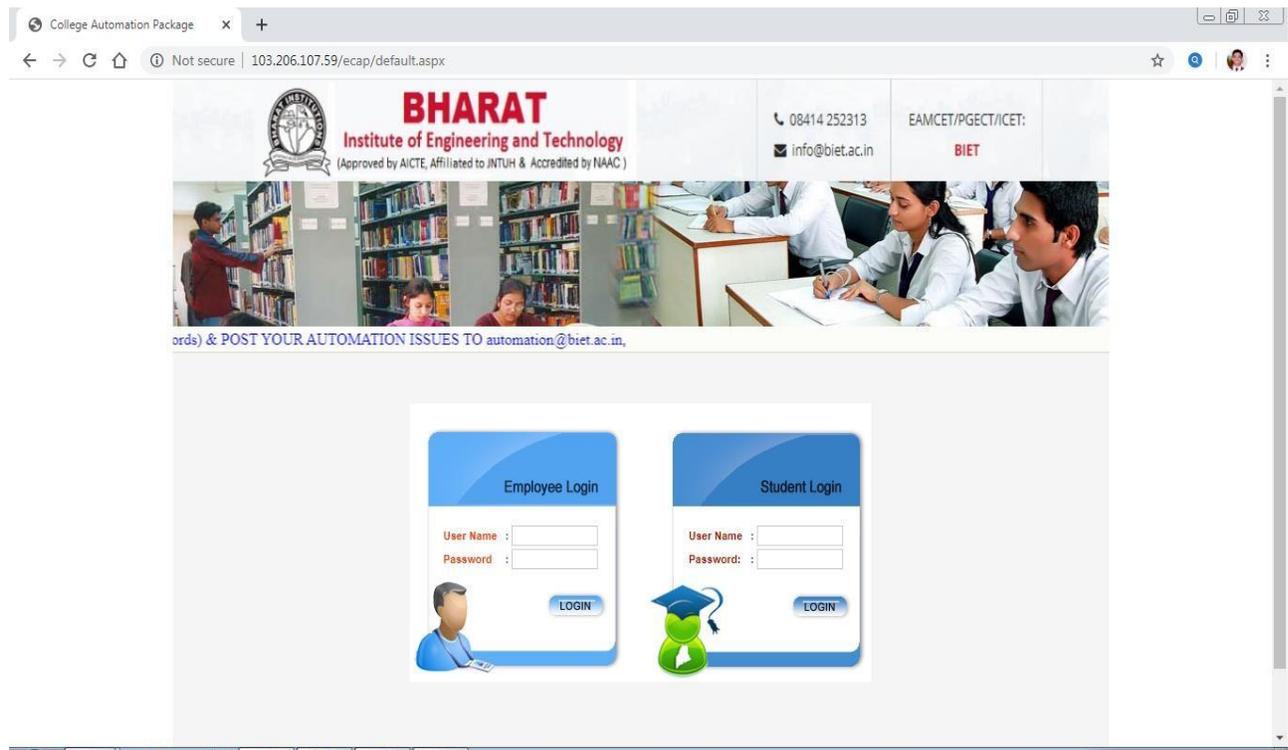
The world is fast moving towards e-learning and all the institutions of higher learning are fast adopting the process of learning through the web. We help other institutions in adopting the latest technology. Our objective is to help remove the obstacles that other institutions could come across during the technology adoption process.

Ours is a comprehensive web based software with a multitude of user-friendly features all included in a very responsive design. The software would help in managing the entire system from academics to administration in a hassle free manner. The automated system allows teachers, students, parents and administrators to remain in touch with each other. It is for better communication and services.

## **URLs:**

1. <http://10.80.2.44/ecap/>
2. <http://10.10.1.44/ecap/>
3. <http://103.206.107.59/ecap/>

## BIET COLLEGE AUTOMATION HOME PAGE SCREENSHOT:



### MODULE 1: ADMIN MODULE

Admin module consists of information regarding Scheduled Appointments, Circulars, Library Books, and Leaves History etc. The sub modules under Admin module are as follows.

- **ADMIN**
  - DAIRY
  - RESET STUDENT PASSWORD
  - SUBJECTS
  - CIRCULARS
  - LIBRARY BOOKS
  - LEAVES HISTORY

## ADMIN MODULE SCREENSHOT:

The screenshot displays the Admin Module interface for Bharat Institute of Engineering and Technology. The page features a header with the institute's logo, name, and contact information. A navigation menu is located below the header, listing various administrative functions. The main content area is titled 'SCHEDULED APPOINTMENTS' and includes a date selection field (08/02/2019) and an 'Add New Event' button. The footer contains copyright information for Webpro Solutions Pvt Ltd.

## MODULE 2: ACADEMICS MODULE

Our automation platform facilitates uninterrupted communication between teachers, students and parents. Smooth communication ensures free flow of information regarding academics. The information could be in the form of news, notices and events. In addition students and parents can seek specific information related to academics. The sub modules under Academics module are as follows.

- **ACADEMICS**
  - ASSIGNMENTS
  - ATTENDANCE REPORTS
  - BATCHES
  - COUNSELING
  - CURRENT TIME TABLE
  - DISCIPLINARY ACTION
  - ELECTIVES
  - EXTRA CLASS
  - FACULTY
  - FACULTY ADJUSTMENTS
  - INTERNAL MARKS
  - LAB BATCHES
  - LEAVES
  - LESSON PLAN
  - MARKS ENTRY (Q)
  - PREVIOUS DATA
  - PROJECTS

- RESOURCES
- STUDENT
- STUDENT PROFILE
- SUBSTITUTE
- SYLLABUS COVERAGE
- TEACHING ASSIGNMENTS
- TEACHING PLAN
- TEACHING SCHEDULE
- TIME TABLE
- UPLOAD RESOURCE
- CIRCULARS
- LIBRARY BOOKS
- LEAVES HISTORY

### ACADEMICS MODULE SCREENSHOT:

The screenshot shows the Academics Module interface. The main content area is titled "CLASS ATTENDANCE". It includes a date selector set to 15/02/2020, a course dropdown set to B.Tech, a semester dropdown set to 3/4 Semester-II, and a branch dropdown set to Computer Science & Engineering. There are radio buttons for "Check Absentees" and "Check Presentees". Below this is a table with the following data:

SL.NO	STUDENT NAME	ROLL.NO	PERIOD 2 CNS
1	NENAVATH GOVIND	16E11A0585	<input type="checkbox"/>
2	BUSSA SREENIDHI	17E11A0545	<input type="checkbox"/>
3	LENKA SWETARANI	17E11A0546	<input type="checkbox"/>
4	CHIRRA SUSHMA	17E11A0547	<input type="checkbox"/>
5	CHANDA RAMYA	17E11A0548	<input type="checkbox"/>
6	VALLABHANENI SAHITHYA	17E11A0549	<input type="checkbox"/>
7	UYYALLA ARCHANA	17E11A0550	<input type="checkbox"/>
8	DOGIPARTHI DIVYA SRAVANI	17E11A0551	<input type="checkbox"/>
9	NEELA MOUNIKA	17E11A0552	<input type="checkbox"/>
10	MADUGULA KALYANI	17E11A0553	<input type="checkbox"/>
11	THAMMERA SAIVARSHITHA	17E11A0554	<input type="checkbox"/>
12	KASANI BHARGAVI	17E11A0555	<input type="checkbox"/>
13	SETTIGARI MOUNIKA	17E11A0556	<input type="checkbox"/>

### MODULE 3: PLACEMENTS MODULE

Placements module consists of information regarding Companies that conduct recruitments for BIET students, student internship details, performance of BIET students in the recruitment process etc. The sub modules under Placements module are as follows.

- **PLACEMENTS**
  - COMPANIES
  - INTERNSHIP
  - OFFERS

- REPORTS
- STUDENT PERFORMANCE
- CIRCULARS
- LIBRARY BOOKS
- LEAVES HISTORY

## PLACEMENTS MODULE SCREENSHOT:

The screenshot shows the BHARAT Institute of Engineering and Technology website. The header includes the institute's name, logo, contact information (08414 252313, info@biet.ac.in), and accreditation details (EAMCET/PGET/ICET: BIET). The navigation menu includes ADMIN, ACADEMICS, PLACEMENTS, CORRESPONDENCE, ADMISSIONS, EXAMINATIONS, EMPLOYEE, and LIBRARY. The user is logged in as MS.MUBEENA. The main content area is titled 'PLACEMENT COMPANIES' and features a table of companies with columns for Name of the Company, Division, and Location. A sidebar menu on the left lists various modules: COMPANIES, INTERNSHIP, OFFERS, REPORTS, STUDENT PERFORMANCE, CIRCULARS, LIBRARY BOOKS, and LEAVES HISTORY.

NAME OF THE COMPANY	DIVISION	LOCATION
ABC TECHNOLOGIES PVT LTD	SOFTWARE SOLUTIONS	HYDERABAD
AMAZON	TECHNICAL SUPPORT	HYDERABAD
CMS	IT	HYDERABAD
CMS IT SERVICES	IT	Hyderabad
COMM LABS	SOFTWARE SOLUTIONS	HYDERABAD
COMPENTENT CAREER IMIGRATION	IT	Hyderabad
CYIENT	Engineering Solutions	Madhapur
Eureka Forbes	Sales Trainee	Hyderabad
FACE INDIA PVT LTD	Software Development	Hyderabad
GENPACT	IT	Hyderabad
ICICI	TECHNICAL SUPPORT	HYDERABAD
INTELEHEALTH	TELEMEDICINE	THANE
JUSTDIAL	CONSULTANT	Hyderabad
MULTIPLIER IT SOLUTIONS	SOFTWARE SOLUTIONS	HYDERABAD
NEBULA COMPANIES	CIVIL	INDIA
PERAM GROUPS	Training Department	Hyderabad
PINNACLE GENERATORS	Sales Trainee	Hyderabad

## MODULE 4: CORRESPONDENCE MODULE

Correspondence module consists of information related to students' details, address of students' parents, staff details, SMSs sent to parents of students, inbox consisting of mails etc. The sub modules under Correspondence module are as follows.

- **CORRESPONDENCE**
  - COMPLAINT/SUGGESTION
  - GREETINGS
  - INBOX
  - PARENTS ADDRESS
  - PARENTS CORRESPONDENCE
  - SMS
  - STAFF LIST
  - STUDENTS LIST
  - CIRCULARS
  - LIBRARY BOOKS
  - LEAVES HISTORY

## CORRESPONDENCE MODULE SCREENSHOT:

The screenshot displays the web interface of the Bharat Institute of Engineering and Technology (BIET). At the top, the header includes the institute's logo, name, and contact information (08414 252313, info@biet.ac.in). A navigation menu is located below the header, with 'CORRESPONDENCE' highlighted. The main content area is titled 'COMPLAINTS & SUGGESTIONS' and features a 'New Complaint' button and a 'Search For Delete' button. The footer contains the text 'Powered by Webpros Solutions Pvt Ltd., Visakhapatnam'.

## MODULE 7: EMPLOYEE MODULE

Employee module consists of information related to employees of the BIET organization, search facility to look up particular employee details, courses assigned to staff, and circulars passed. The sub modules under Employee module are as follows.

- **EMPLOYEE**
  - EMPLOYEE
  - SEARCH
  - STAFF VS COURSES
  - CIRCULARS
  - LIBRARY BOOKS
  - LEAVES HISTORY

## EMPLOYEE MODULE SCREENSHOT:

The screenshot displays the 'EMPLOYEE' module interface. The top navigation bar includes links for ADMIN, ACADEMICS, PLACEMENTS, CORRESPONDENCE, ADMISSIONS, EXAMINATIONS, EMPLOYEE, and LIBRARY. The main content area is titled 'STAFF VS COURSE' and features a table of staff members assigned to courses. The table has columns for course ID, staff name, and an 'Edit' button. The course 'E511' is selected, and the staff member 'MS.MUBEENA' is listed. To the right, there are dropdown menus for 'ComputerScience & Engineering' and 'B.Tech', and a table of semesters and branches. The bottom of the page shows a footer with 'Copyright © All rights reserved' and 'Powered by Webros Solutions Pvt Ltd., Visakhapatnam'.

## MODULE 8: LIBRARY MODULE

Library module consists of information related to various projects (mini and major projects) done by BIET students of all branches, library book catalogs, circulars etc. The sub modules under Employee module are as follows.

- **LIBRARY**
  - PROJECTS
  - CIRCULARS
  - LIBRARY BOOKS
  - LEAVES HISTORY

# LIBRARY MODULE SCREENSHOT:

The screenshot displays the library module interface for Bharat Institute of Engineering and Technology. The header includes the institute's logo, name, and contact information. A navigation menu is located below the header, and a user profile is shown on the right. The main content area is titled 'PROJECT ENTRY' and features a table of student roll numbers and names. The table has two columns: 'ROLL\_NO' and 'STUDENT NAME'. The table contains the following data:

ROLL_NO	STUDENT NAME
9821/2018	kandakatla nandini
19E11A0537	P.RAHUL KANNA
19E11A0536	PATHAK RAGHAVENDRA
19C11A0502	ADE GIAGI II KUMAR
19E11A0528	MALKAIHGARI SAI NITHIN REDDY
19E11A0520	GANI IALA SKINIVASA CHAKY
19E11A0541	SAMA SAKETH REDDY
19E11A0505	AMARESH PRASAD SAHU
19E11A0539	SABAVATH SHASHI KUMAR

### **BIOMETRIC ATTENDANCE:**

Biometric devices ensure accurate attendance information that can be made available online and reflects the punctuality of faculty and students. It facilitates the Accounts department and HR department etc. to share faculty attendance information comfortably. This attendance is also reflected in the JNTUH Academic Audit Cell portal and keeps the attendance information transparent to the office of JNTUH Academic Audit Cell.

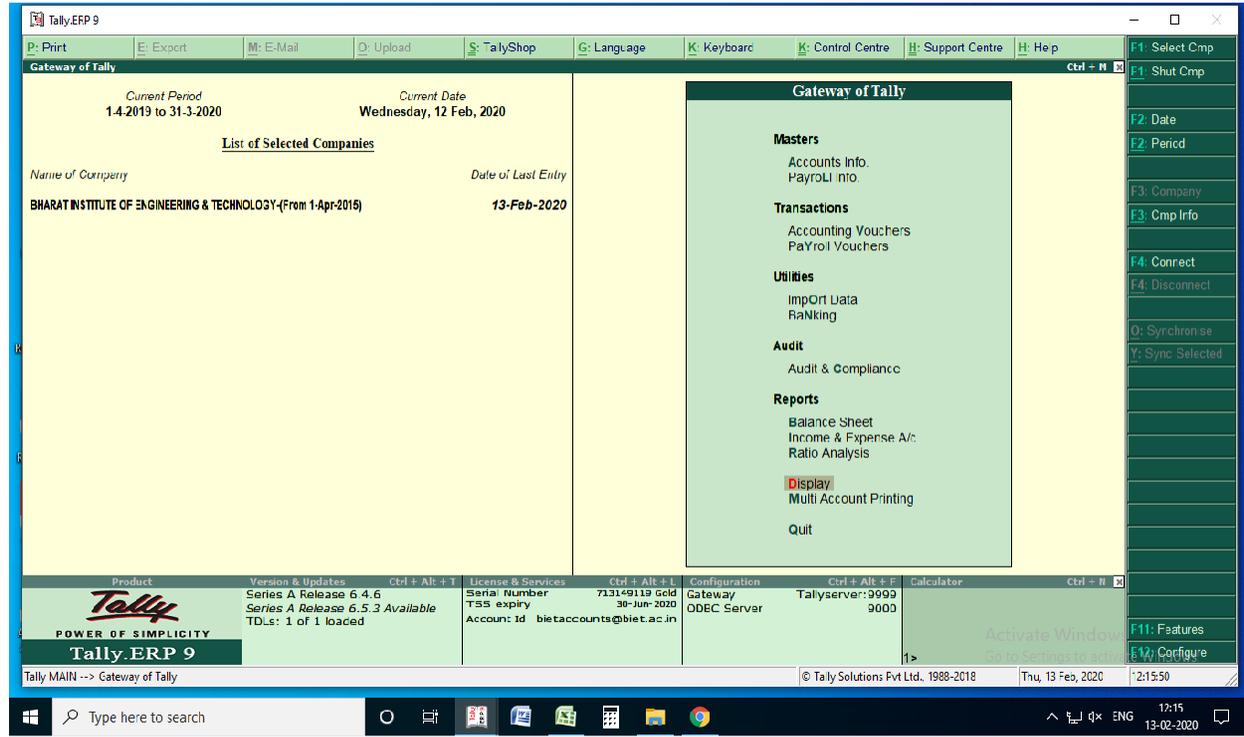
### **PHOTO OF THE BIOMETRIC DEVICE FOR ATTENDANCE:**



## 2. FINANCE AND ACCOUNTS

Tally Software has been used for pay slip generation, college tuition fee payment details, transport fee details etc.

### TALLY SOFTWARE SCREENSHOT:



### **3. STUDENT ADMISSION AND SUPPORT**

#### **MODULE 5: ADMISSION MODULE**

Admission module helps in the admission process. The process involves interacting with students and providing authentic information to the students. Our objective is to develop the software that can take the hassle out of the process and make it more user-friendly. While online submission of documents can solve the problem to a greater extent, our software goes a step ahead in helping the administrative staff in processing the applications. Admission module consists of the following sub modules.

- **ADMISSIONS**
  - ADMISSION
  - ADMISSION REGISTER
  - CASTES
  - DETAINED STUDENTS
  - GENERATE ID CARDS
  - LOCATION REPORT
  - RE-JOIN DATE
  - SECTIONS
  - TRANSFER
  - CIRCULARS
  - LIBRARY BOOKS
  - LEAVES HISTORY

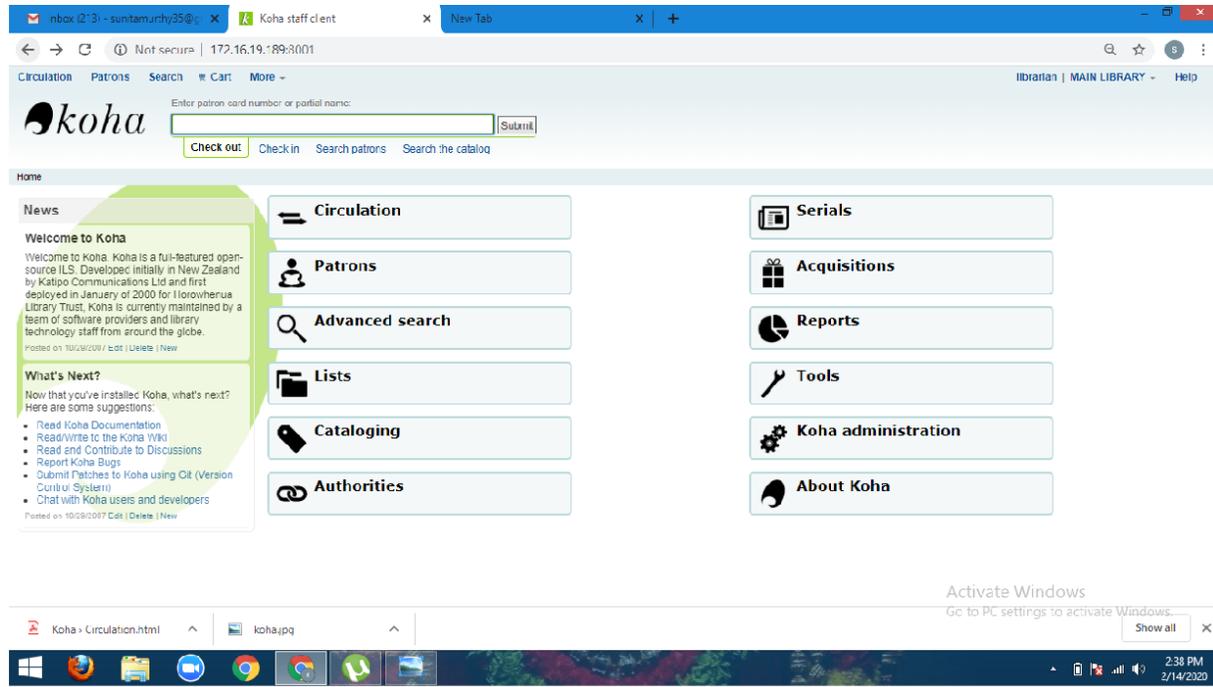
## ADMISSION MODULE SCREENSHOT:

The screenshot displays the web interface of the Bharat Institute of Engineering and Technology (BIET) admission module. The browser address bar shows the URL `103.206.107.59/ecap/main.aspx#`. The page header includes the BIET logo, the text "BHARAT Institute of Engineering and Technology (Approved by AICTE, Affiliated to JNTUH & Accredited by NAAC)", contact information (08414 252313, info@biet.ac.in), and accreditation details (EAMCET/PGET/ICET: BIET). A navigation menu contains links for ADMIN, ACADEMICS, PLACEMENTS, CORRESPONDENCE, ADMISSIONS, EXAMINATIONS, EMPLOYEE, and LIBRARY. A user profile section shows a welcome message for "MS.MUBEENA", a "Change Password" link, and a "Log Out" button. The main content area is titled "ADMISSION" and features a search bar with the text "Search By RollNo/Admission.No:" and a "Submit" button. The search input field contains the value "17E11A0560". A sidebar menu on the left lists various admission-related functions: ADMISSION, ADMISSION REGISTER, CASTES, DETAINED STUDENTS, GENERATE ID CARDS, LOCATION REPORT, RE-JOIN DATE, SECTIONS, TRANSFER, CIRCULARS, LIBRARY BOOKS, and LEAVES HISTORY. The Windows taskbar at the bottom shows several open files, including "6.2.3\_1516710775...xlsx" and "PHOTO-2020-02-1...jpg".

## KOHA LIBRARY SOFTWARE:

Koha Library Software is world's first free and open source library system. Koha is a fully featured, scalable library management system. Development is sponsored by libraries of varying types and sizes, volunteers, and support companies worldwide. Hence, BIET is making use of this freeware for managing the huge BIET Library.

## LIBRARY - KOHA SOFTWARE HOME PAGE SCREENSHOT:



## NAVNEXT APP TO TRACK COLLEGE BUS

Navnext App is very much useful to the faculty and students that travel in college buses. It provides accurate location information of various buses in different routes at a particular point of time.

NAVNEXT BIET COLLEGE BUS TRACKING APP- HOME PAGE SCREENSHOT:



## 4. EXAMINATIONS

Students and faculty can track the details of examinations both internal and external and browse the examination results in a convenient way provided in the form of links in the BIET College website, directly in the JNTUH website, and very soon after in BIET college automation also.

### BIET COLLEGE WEBSITE SCREENSHOT:

The screenshot displays the BIET College website interface. At the top, there are several browser tabs including 'BHARAT INSTITUTE OF E...', 'Sent Mail - raon2006@...', 'Welcome To BIET', 'biet younger app - Goo...', 'www.facebook.com', and 'Google'. The address bar shows 'Not secure | biet.ac.in/index.php'. The main content area features a 'Fast Facts' section with four circular icons and corresponding statistics: 6720 Engineers graduated till date, 1290 Every Year Intake, 412 Job offers each year, and 64000 Books Available for Students. Below this, there are two columns: 'Latest News' and 'Notifications/Circulars'. The 'Latest News' column contains three items: 'Python in IT Industry from 13th to 14th November 2019', 'Guest Lecture on GENDER SENSITIZATION on 4th Nov 2019', and 'Department of Electrical and Electronics Engineering is conducting One Day Seminar on Field Based Research for Industrial Growth on 23rd October 2019 in association with Research and Development Cell, BIET'. The 'Notifications/Circulars' column contains two items: 'electronics and hardware design to be held on 7th-8th February 2020 organized by Department of Electronics and Communication Engineering' and 'Two Days National Conference on Recent Advances And Challenges in Electronics and Hardware Design to be held on 7th-8th February 2020 organized by Department of Electronics and Communication Engineering'. The bottom of the screenshot shows a Windows taskbar with several open files: 'httpsplay\_google\_c...zip', 'PHOTO-2020-02-1...jpg', 'PHOTO-2020-02-1...jpg Removed', 'new doc 2020-02-...jpg', and '6.2.3\_1516710775...xlsx'. A 'Show all' button is visible on the right side of the taskbar.

## JNTUH EXAMINATIONS PORTAL

BIET College is affiliated to JNTUH. Hence, BIET is given access to the JNTUH Examinations portal free of cost. All the communication and transactions to/from JNTUH is done through this portal.

### JNTUH EXAMINATIONS PORTAL SCREENSHOT:

The screenshot displays the JNTUH Examinations Portal. The browser's address bar shows the URL <https://exams.jntuh.ac.in/Portal/common/load.action>. The page header features the text "JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY".

The main content area is divided into three sections:

- general information:** A list of links providing updates on examinations, including:
  - (11-02-2020) Notification for PharmD, II, III, IV and V years and PharmD(PB) II year Regular/Supply Examinations April-2020
  - (11-02-2020) The fortnight attendance uploading service is enabled for recently promoted Pharm D, II, III, IV and V year students and PharmD(PB) II year students.
  - (07-02-2020) The letter related to conduct of MBA/II (R17) project viva-voce exam along with external lab exams.
  - (06-02-2020) The fortnight schedules and instructions for MBA / MCA II-II Regular students.
  - (05-02-2020) Timetables for B.Tech / B.Pharm II, III, III & IV, II Mid : Exams Feb, 2020
  - (05-02-2020) Timetables for B.Tech / B.Pharm II, III, III & IV, II Mid : Exams Feb, 2020
  - (01-02-2020) The fortnight schedules and instructions for B.Tech/B.Pharmacy II-II, III-II and IV-I Regular students.
  - (01-02-2020) The fortnight schedules and instructions for B.Tech I Year II sem Regular students.
  - (23-01-2020) Important information to Observers and Host Colleges
  - (21-01-2020) Revised Postal Van arrangements for the exams from 21-01-2020 to 31-01-2020
  - (20-01-2020) CBT Exams timetables for B.Tech / B.Pharmacy, II, III, III & IV-I Jan-2020.
  - (18-01-2020) Postponement and rescheduling of university examinations on 22-01-2020.
  - (16-01-2020) Postal van pickup schedule for B.Pharm / M.Tech / M.Pharm / MBA / MCA Exams from 17-01-2020 to 29-01-2020.
  - (10-01-2020) Notification & Timetable for MB/PTPG I SEMESTER Examinations Jan, 2020
  - (09-01-2020) Timetable for MCA I Sem Regular / Supply Exams Jan-2020.
  - (09-01-2020) Timetable for MBA I Sem Regular / Supply Exams Jan-2020.
- principal login:** A login form with fields for "Username:" and "Password:", and a "Sign In" button.
- related web links:** A link to the website [www.jntuh.ac.in](http://www.jntuh.ac.in).

# BIET COLLEGE AUTOMATION (MODULE 6)

## MODULE 6: EXAMINATIONS MODULE

Examinations module consists of information regarding internal and external examinations to the faculty and students, progress reports of all students mentored/monitored by the faculty, circulars etc.

- **EXAMINATIONS**
  - EXTERNAL
  - INTERNAL
  - PROGRESS REPORT
  - CIRCULARS
  - LIBRARY BOOKS
  - LEAVES HISTORY

### EXAMINATIONS MODULE SCREENSHOT:

The screenshot displays the user interface of the BIET College Automation system. The top navigation bar includes links for ADMIN, ACADEMICS, PLACEMENTS, CORRESPONDENCE, ADMISSIONS, EXAMINATIONS, EMPLOYEE, and LIBRARY. The main content area is titled "INTERNAL MARKS REPORT" and shows a table of marks for a specific student. The table includes columns for Sl.No, Roll.No, Student Name, Mock1\_Sub, CNS, and Mock1\_Obj. The student's name is CHIRRA BRABHILLI KUMAR, and their marks are 7 for Mock1\_Sub, 8 for CNS, and 8 for Mock1\_Obj.

Sl.No	Roll.No	Student Name	Mock1_Sub	CNS	Mock1_Obj
1	16E11A0521	ELKAPELLI NAGARJUN ANAJAH	7	7	7
2	16E11A0523	BURRI VIMESHKUMAR	A	A	A
3	16E11A0546	C INHARIKA	7	9	9
4	16E11A0550	DHANANJUNENI RAM MOHAN	6	4	4
5	16E11A0574	CHIRRA BRABHILLI KUMAR	8	8	8