# E-GOVERNANCE REPORT

Screen short of ERP softwares, Mobile applications and open source integrated library management system





## E-Governance

**Definition**: E-governance, expands to **electronic governance**, is the integration of **Information and Communication Technology (ICT)** in all the processes, with the aim of enhancing government ability to address the needs of the general public. The basic purpose of e-governance is to simplify processes for all, i.e. government, citizens, businesses, etc. at National, State and local levels.

In short, it is the use of electronic means, to **promote good governance**. It connotes the implementation of information technology in the organizational processes and functions so as to cause **simple**, **moral**, **accountable and transparent governance**. It entails the access and delivery of institutional services, dissemination of information, communication in a quick and efficient manner.

## **Enterprise Resource Planning (ERP)**

**Definition**: Enterprise Resource Planning, or otherwise known as ERP is an integrated software application, which firms use to manage and control their internal and external resources comprising financial resources, material, assets and human resources.

Put simply, ERP system unites various functions of management into a rationally integrated system to streamline processes and enable the movement of information among all business function. It can be understood as a description of systems wherein innovative information technology is used to manage all functional areas in an organization

#### **Benefits of E-governance**

- High transparency
- Increased convenience
- Direct participation of constituents
- Reduction in overall cost.

#### **ERP Benefits**

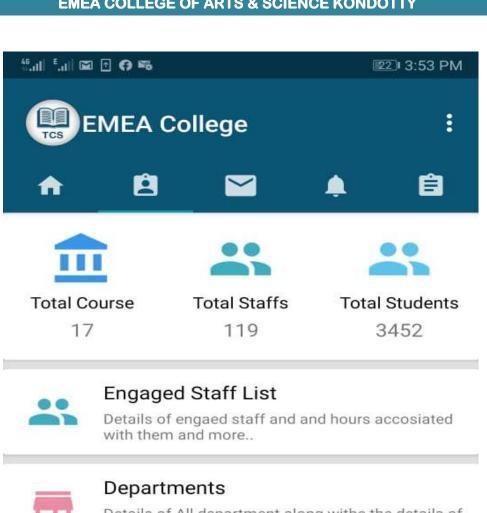
- Reduce the involvement of administration without affecting education
- Handover responsibilities without losing control
- Improve efficiency with existing number of non-teaching staff
- Remain competitive by identifying areas for cost reduction
- Strike a balance between stakeholder interests and educational responsibilities
- Set a path towards a model organization with Campus Management module
- Reduce the time spent by teaching staff on administrative tasks and help them increase the time spend on core-competencies
- One-time master data entry
- Manage Student & Parent related information
- Integration with self-help kiosks
- Lead tracking with no errors.
- Proper allocations and planning.
- Integrated library information system.
- Separate modules for separate department
- Customized reporting

## **TOTAL CAMPUS SOLUTION**

The management of a college and other higher educational institution may require a more proactive approach in making decision by the administration, and require the information at hand in most cases. Apart from the automation, there must be a control of work flow to make the activities of the institution streamlined and to improve the accountability of decisions, activities and operations in achieving the aims and objectives of the institution. Data analysis and reports should not only be comprehensive, but, it must be useful to influence the decisions. Hence, the name, Total Campus Solution Integrates Client server, Web technology and embedded system technology to provide a complete solution for both Government / Aided / Self Financing Institutions. Elegant in its operations concept of a Service Oriented Approach. Effective linking among faculty, parents, administrator and students to enter data and view reports of their own realm, but with the poll and nose knot headstall halter with administration.

## m-Governance Mobile Application

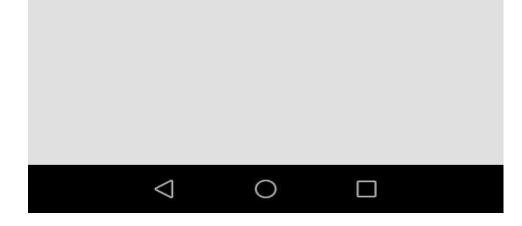




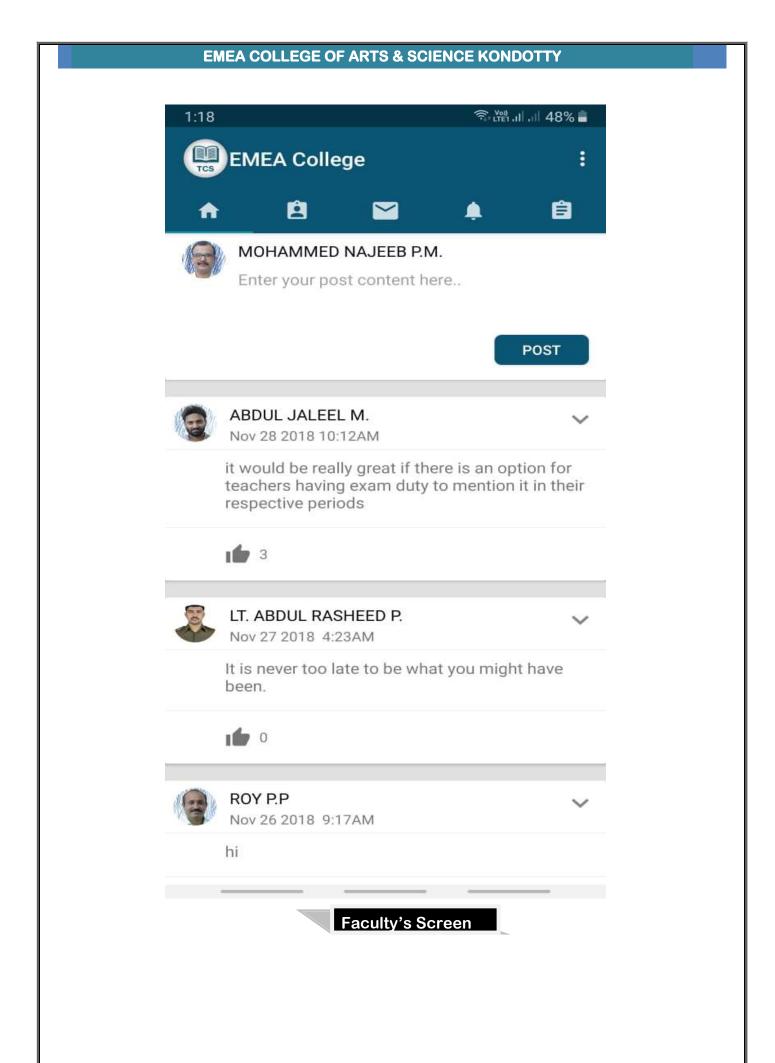
Details of All department along withe the details of the staff.

## Unmarked Hours

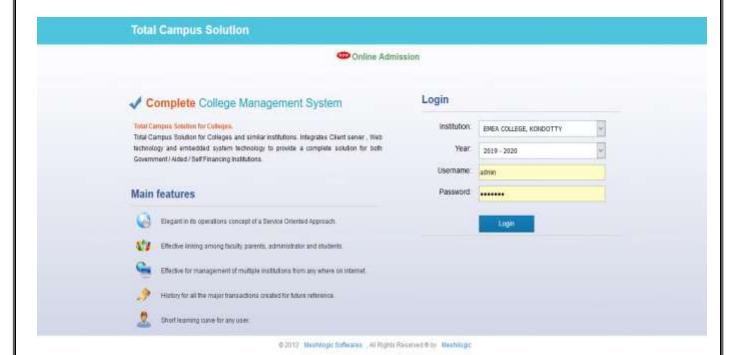
Details of all unmarked hours of staff of each department



Principal's Screen



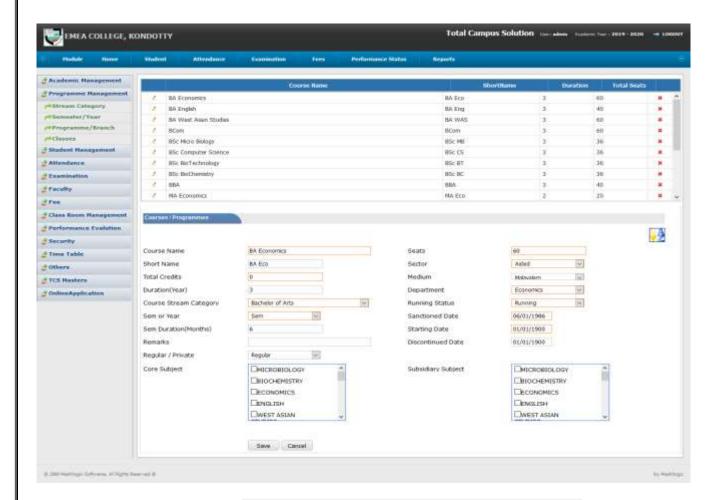
## **Web Enabled Educational ERP Solution**



**Login Page** 



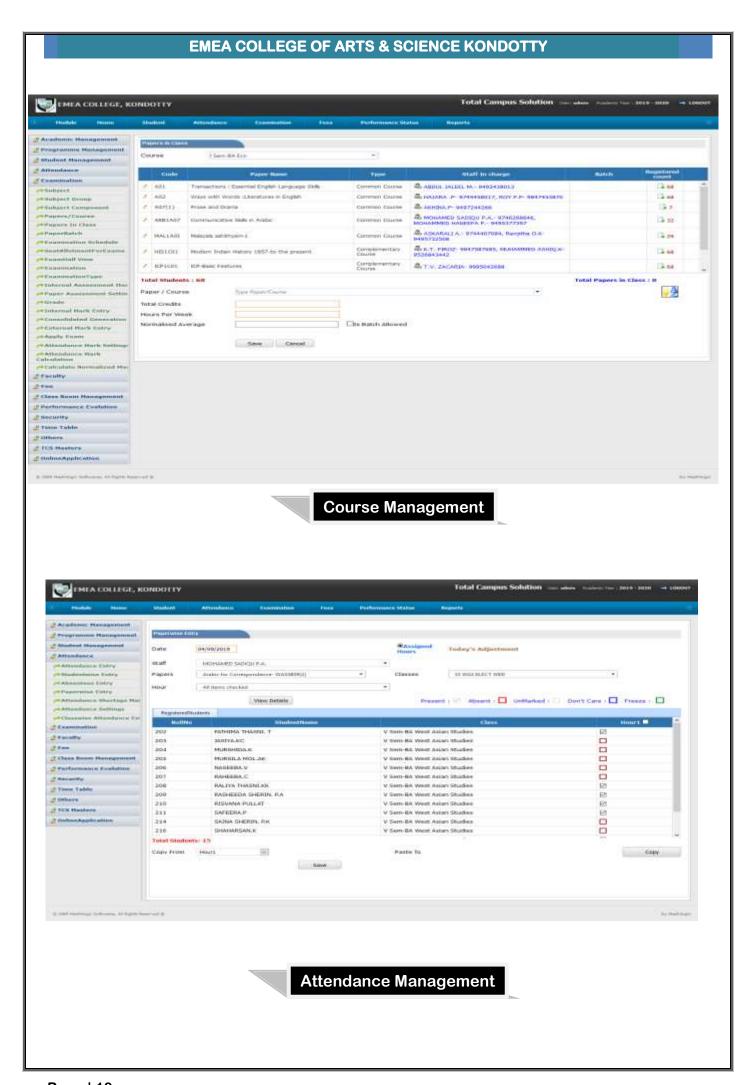
**Academic Calendar** 

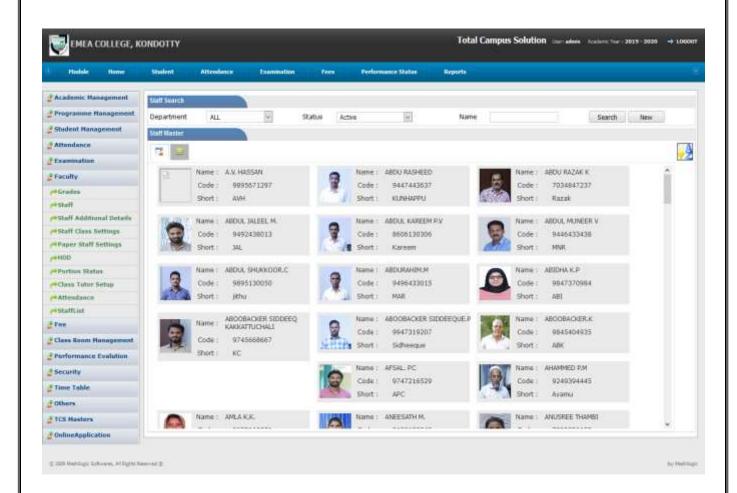


**Programme Management** 

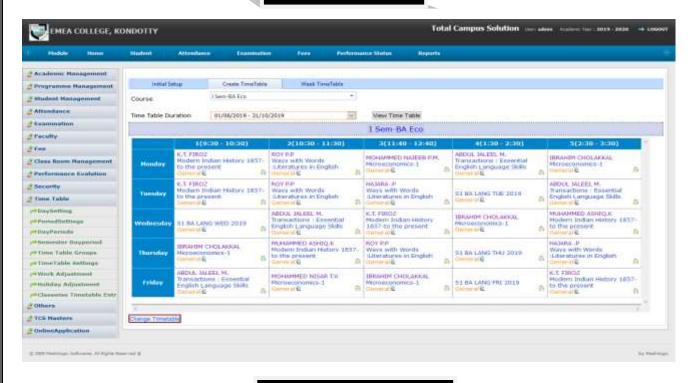


**Student Management** 

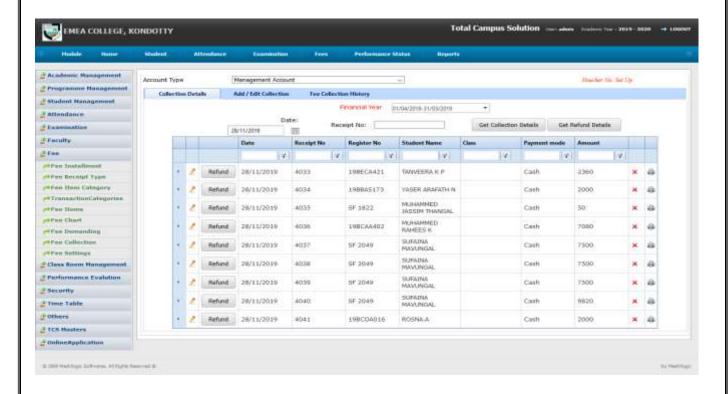




### Staff Management

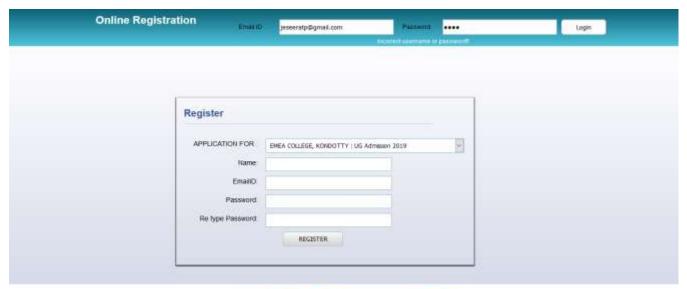


**Time Table Generation** 



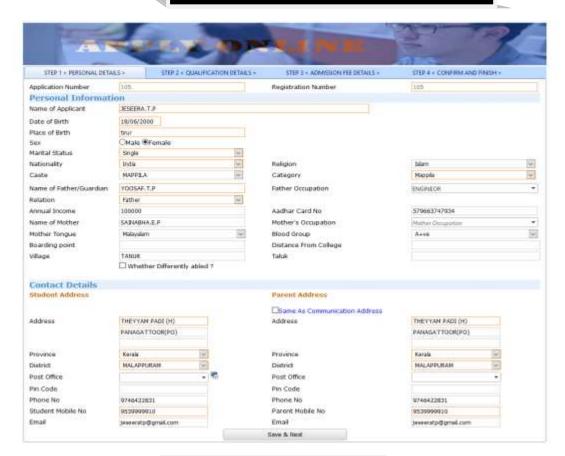
FEE Management

## **COLLEGE ONLINE ADMISSION PORTAL**

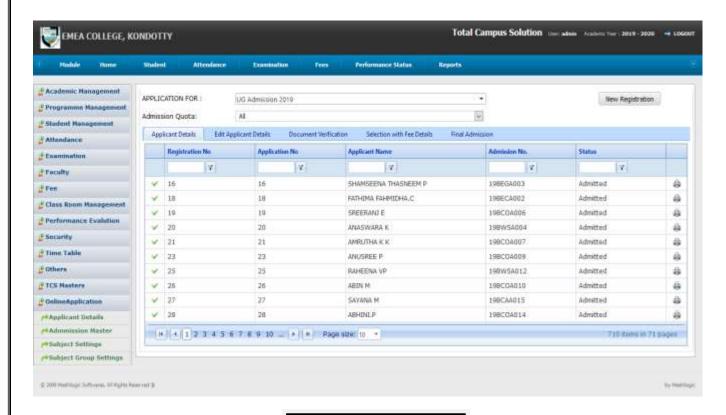


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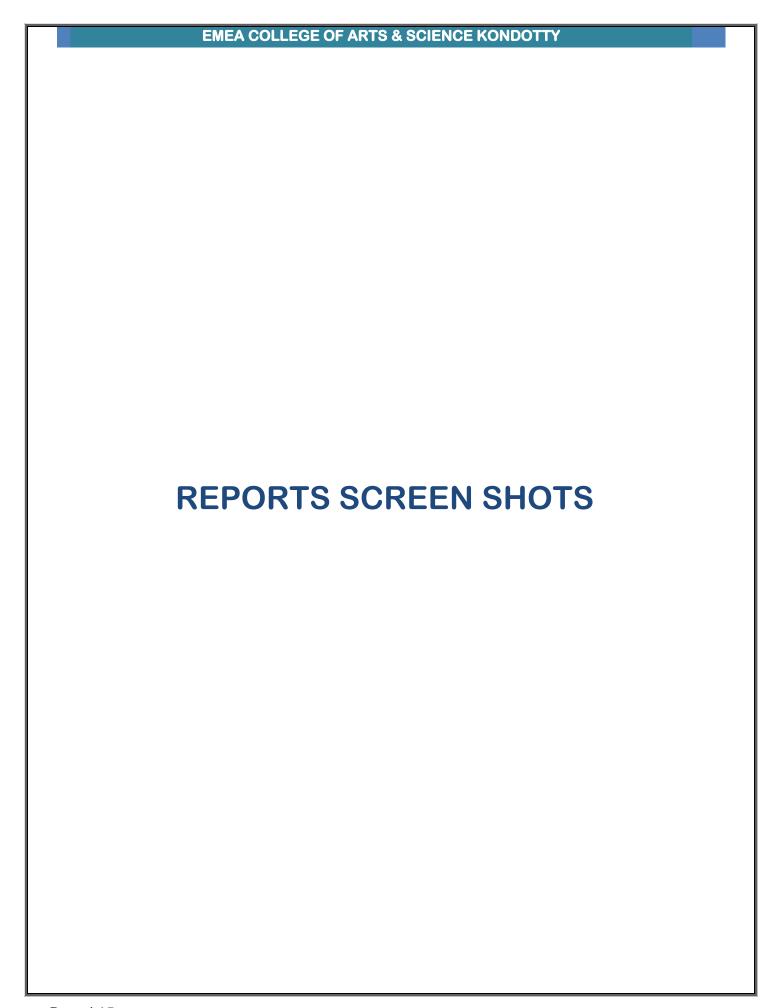
#### College Online Registration Login Page

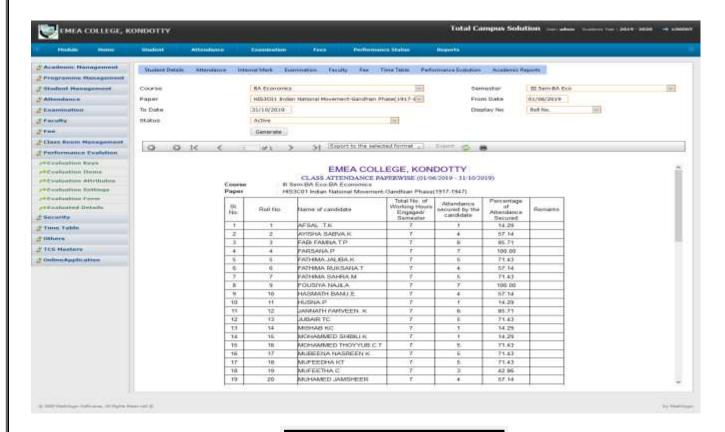


Personal Data Entry Page

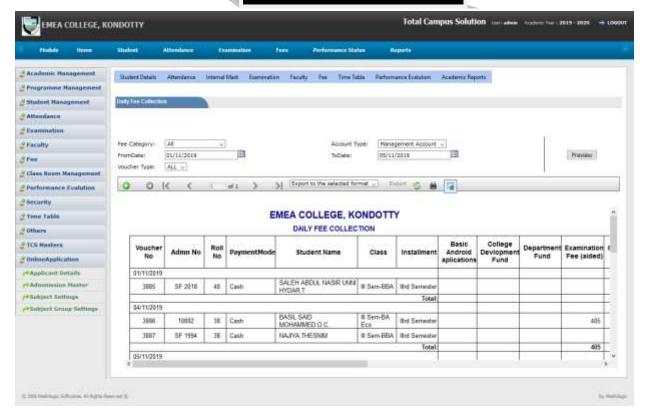


**Applicant Details** 

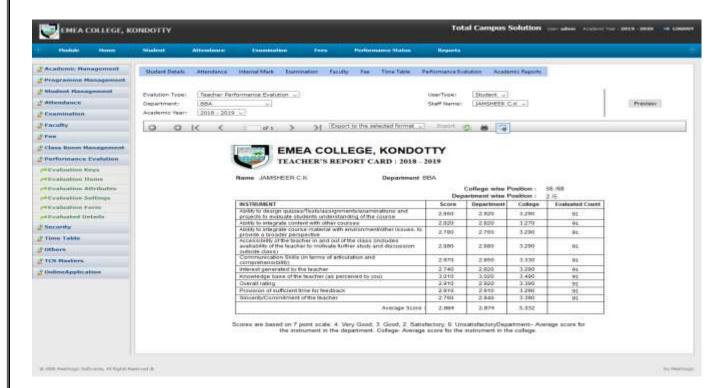




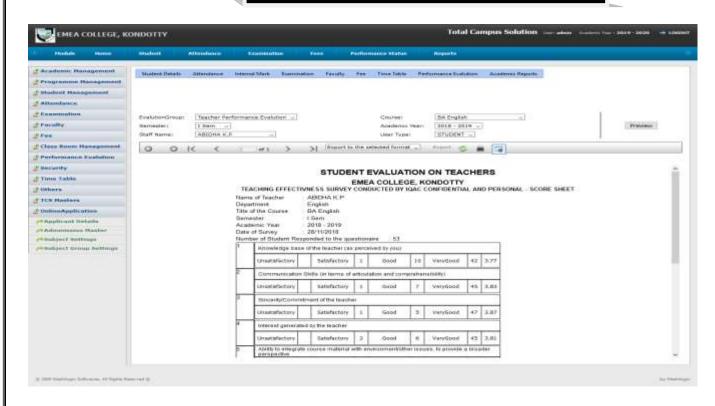
#### **Consolidated Mark**



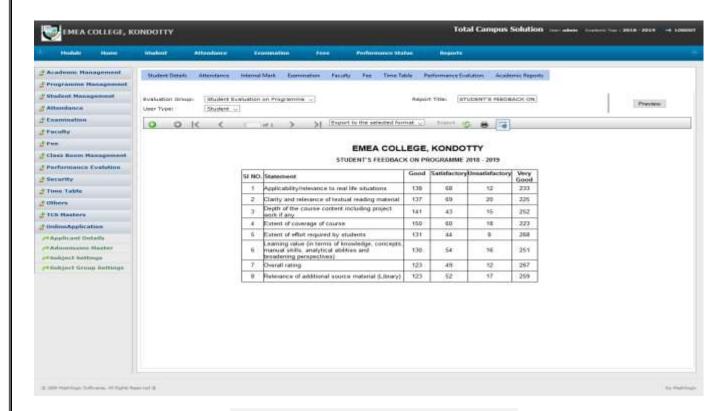
**Daily Fee Collection Report** 



#### **Teacher Performance Evaluation Analysis**



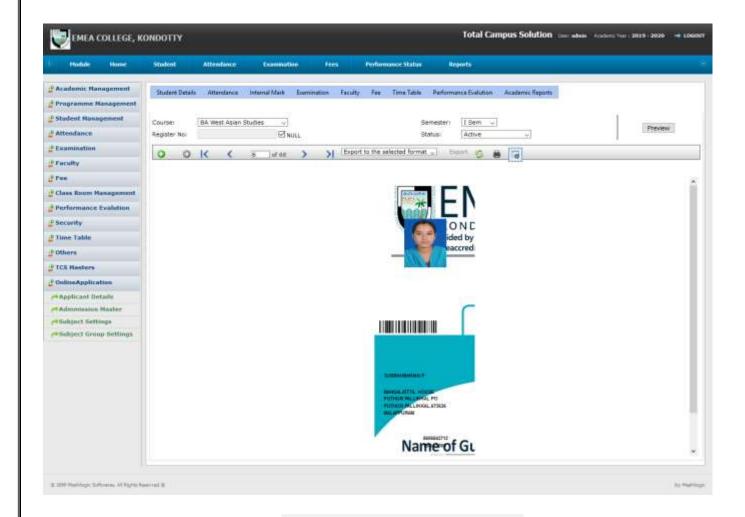
**Student Evaluation on Teachers** 



#### **Student Feedback on Programme**



**TC Certificate** 

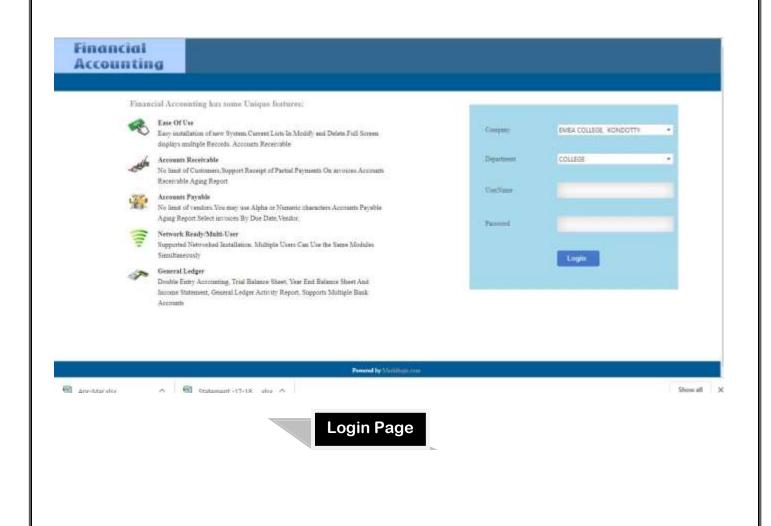


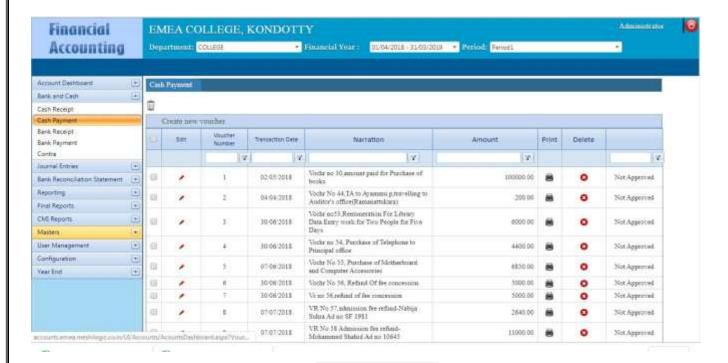
**Student ID Card Generation** 

## **BIZNET**

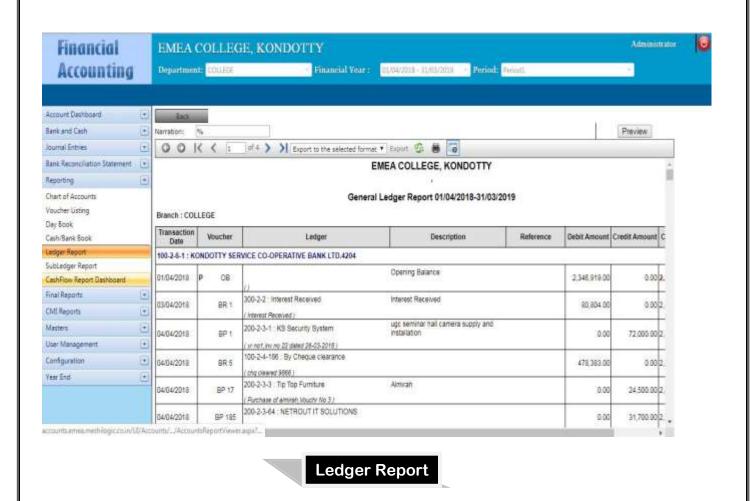
## **Inventory Control and Financial Accounting System**

Trading organizations may have operations from multiple locations /country with one or more warehouses located at geographically distant locations. It is no doubt that such an organization needs a network to integrate and control its operation. Biznet provide the control of trading activity such as purchase /sales billing, stock management such as delivery and receipts of goods, return of goods purchased or sold, stock movements, package management such as assembling and de-assembling of goods, ware house management such as Bin location, delivery note generation etc. integrated with Financial Accounting system which generate vouchers for cash receipts / payments, bank receipts /payment, etc. Integrated with purchase and sales invoice to automatically update the accounts ledgers. All updated final accounts reports. Most useful feature is the bill to bill accounting which automatically prepare detailed customer outstanding from the daily transaction data.





**Home Page** 



## KOHA Open Source Integrated Library Software

Koha is the first open-source integrated library software (ILS) used worldwide by all kind of libraries from public, school and special libraries. The ILS is developed at a modern platform and is a web-based solution for the libraries. Koha uses SQL database (MySql preferred) as backend and its cataloguing data stored is in MARC and is accessible via Z39.50protocol. Koha is integrated library software that has state of the art web based interface, enhanced content and substance, provides faceted navigation, provisions keyword searching, up-gradation and development through user contribution and provides Rich Site Summary (RSS) feeds that make it unique integrated library software in the world. At present Koha has four specific language websites including French, Chinese, Italian and Spanish.

#### **Features of Koha**

**Acquisitions:** Koha has a acquisitions module with complete functionality of recommendation, ordering, receiving, invoicing, budgeting, book funding, setting suppliers and exchange rates.

**Circulation:** a complete featured and powerful circulation module with customised circulation rules to suit any kind of library; it fully automates the borrowing and item management.

**OPAC**-Koha has all the elements and attributes of OPAC with a simple and clear interface, and in addition to it also supports content from sources of collections like Amazon, Google Books, etc.

**Flexible reporting:** Koha provides access to the RDBMS, so reports can be easily customised and prepared as per the individual requirements.

Customisable item types: The catalogue items can be opted as per the preference and requirements of the individual libraries.

**Barcode**/ **RFID**: The ILS Koha is based on the web browser and it is fully compatible with all kinds of barcode, QR codes, RFIDs and other similar technologies.

**User management:** The software provides incorporation with systems like LDAP, Active Directory, Radius and SAML to allow single sign-on facility for the user's management.

**Metadata:** Koha has a potential to generate a qualitative metadata, it uses a full text indexing engine to allow for speedy and authoritative searching of metadata.

**Standards:** Koha uses all latest standards including MARC21, UNIMARC, Z39.50, SRU/SW, SIP2 and many more are supported.

**Automated overdue notices**: Overdue notices are either provided by email or SMS. Consortia Mode: The ILS can work as multi-branch or single-branch mode in the consortia mode.

**Translations:** Koha is translated into many languages and is available in nearly 62 languages

**Offline circulation:** Koha also provides provision to do offline circulations

**Self-Check:** Koha also facilitates the use with SIP2 compliant self-check-in, check-out machines.

#### **Koha Modules**

- > Administration
- > OPAC
- > Cataloguing
- Circulation
- > Serials
- Acquisitions
- > Patron

#### **Koha Administration**

Koha Administration provides various system parameters for the functioning of Koha libraries and groups, defines item types and the authorized values. Global System preference is the most important module of Koha which deals with administration and maintenance and manages preferences like MARC, date format, administrator email and various templates.



**KOHA Login Page** 



KOHA Home Page

## **DSPACE**

## **Open Source Repository Software Package**

DSpace is an open source repository application that allows to capture, store, index, preserve and distribute our digital material including text, video, audio and data. DSpace provides a way to manage our materials and publications in a professionally maintained repository to give them greater visibility and accessibility over time. Dspace software is a digital library system designed to capture, store, index, preserve and re-distributes the academic output of a university's research faculty in digital formats. The Dspace is developed jointly by HP labs and MIT libraries. This article describes the Dspace system, types of Dspace content and discusses the use of Dspace for institutional repository.

The most important features of DSpace are as follows.

- > Free open source software
- ➤ Completely customizable to fit user needs
- Manage and preserve all format of digital content (PDF, Word, JPEG, MPEG, TIFF files)
- Apache SOLR based search for metadata and full text contents
- ➤ UTF-8 Support
- ➤ Interface available in 22 languages
- Granular group based access control, allowing setting permissions down to the level of individual files
- Optimized for Google Scholar indexing

#### It has three main roles:

- Facilitates the capture and ingest of materials, including metadata about the materials
- Facilitates easy access to the materials, both by listing and searching
- Facilitates the long-term preservation of the materials

#### DSpace can be used to store any type of digital materials, including:

- Documents, such as articles, preprints, working papers, technical reports, conference papers
- Books
- ➤ Visualizations, simulations, and other models
- Multimedia publications
- > Administrative records
- Published books
- Overlay journals
- ➤ Bibliographic datasets
- > Images
- ➤ Audio files
- Video files
- > e-formatted digital library collections
- ➤ Learning objects
- > Web pages

#### **Benefits of using Dspace in Digital Library**

DSpace is a turnkey repository application it may be deployed "out-of-the-box" as an institutional repository. The majority of DSpace users do little to no customization of the application beyond adding local branding. DSpace allows to:

- > Organize, describe and store your content easily through the built-in structure
- Archive and distribute material you would currently put on your personal website
- ➤ Get your materials out quickly, to a worldwide audience through exposure to search engines such as Google

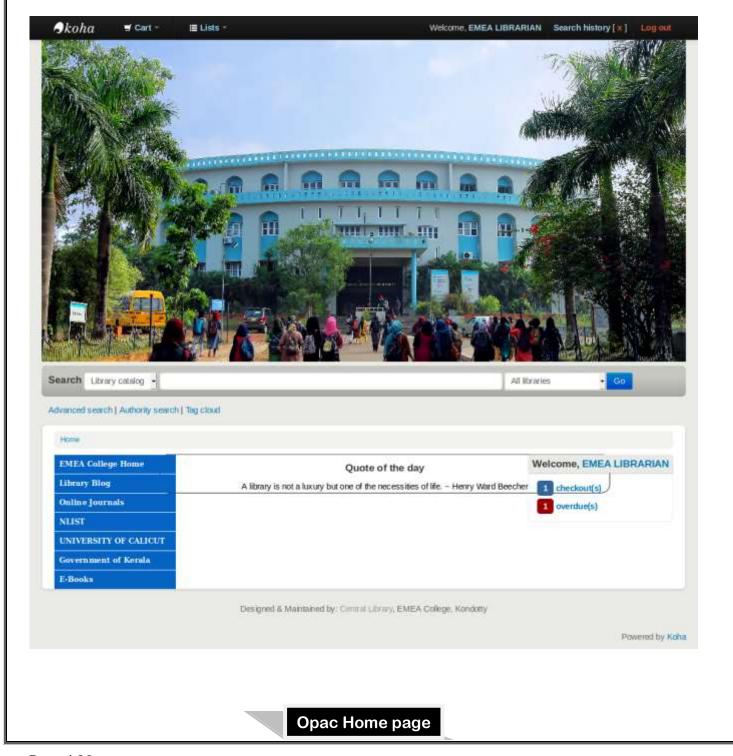


**DSpace Home Page** 

## OPAC

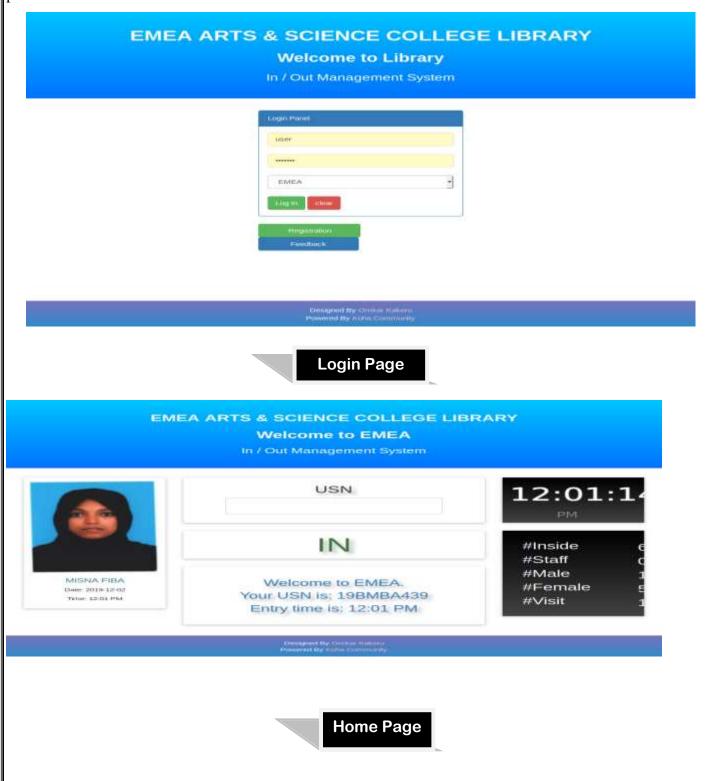
## **Online Public Access Catalogue System**

An online public access catalog (often abbreviated as OPAC or simply "library catalog") is an online database of materials held by a library or group of libraries. Users typically search a library catalog to locate books, periodicals, or other items under control of a library.



## IN/OUT MANAGEMENT SYSTEM

"In -Out Management System" based on KOHA ILS that benefits in Tracking In & Out time of patrons, works on multiple locations of library, generates four types of reports & can be handled by single person.



## **EASY BIZ**

### **Accounting & Inventory Management Software**

Accounting & Inventory Management Software EasyBiz is an accounting software specifically designed for small businesses. It is an accounting solution that create invoices, track expenses and manage inventory, helping you save time and manage finances efficiently.

#### **Main Features:**

Accounting

An in-built financial accounting system that tracks transactions from sales, purchase, inventory, payroll, and expenses to give a complete picture of company's financial status.

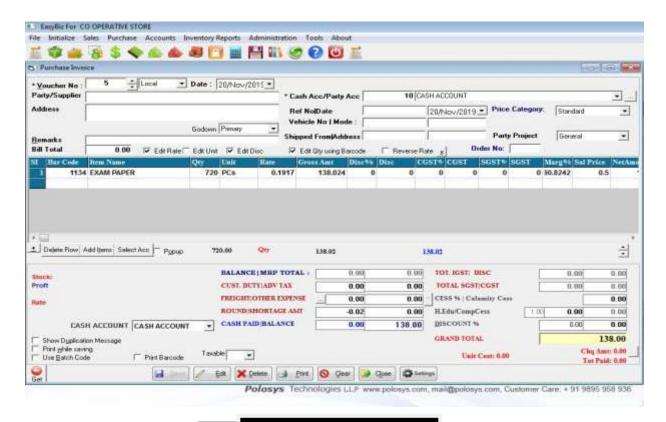
- > Inventory Management
  - Helps to categorize products, know low stock items and invest in right inventory to increase business revenue.
- > Detailed Reports
  - Keep track of all transactions with detailed reports. View all types of transactions from reports section
- ➤ Balance Sheet
  - Balance sheet is one stop show to know the overall status of business. It gives details about current Cash-in hand, Stock Value, Expenses, Bank account balances. etc. at one place.



Login page



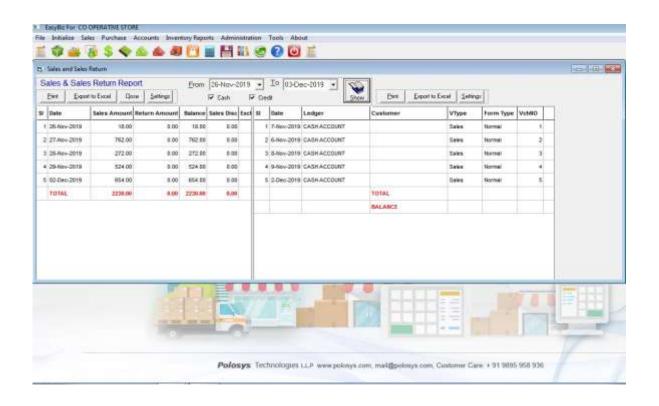
**Home Page** 



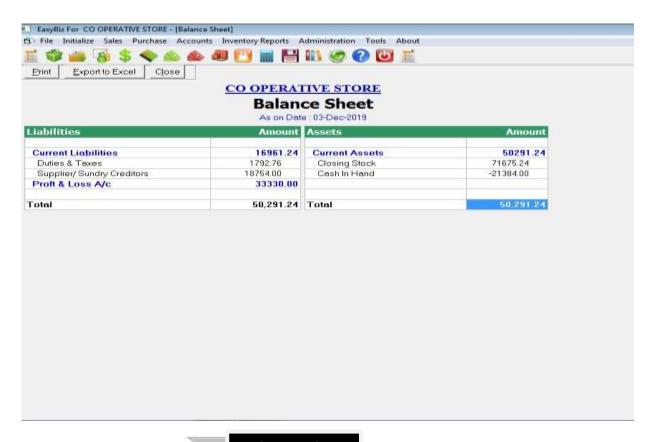
**Purchase Management** 



Sales Management



Sales and Sales Return Report

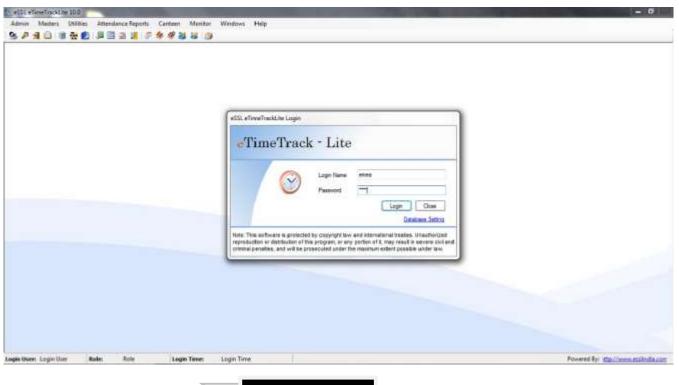


**Balance sheet** 

## **E TIME TRACK**

## **Time & Attendance Machine Management Software**

Maintaining an attendance register of students and staffs requires a lot of effort and accuracy. The software provides feature to keep a record of attendance inside the system eliminating manual effort consuming task. A comprehensive, integrated and easy to use employees' Attendance Management Software that enables employees to record their arrival and departure, providing managers with detailed information about attendance records, absenteeism, overtime etc. The software provides reports and logs to better maintain access to a certain area. Need a proper device to connect all these devices.



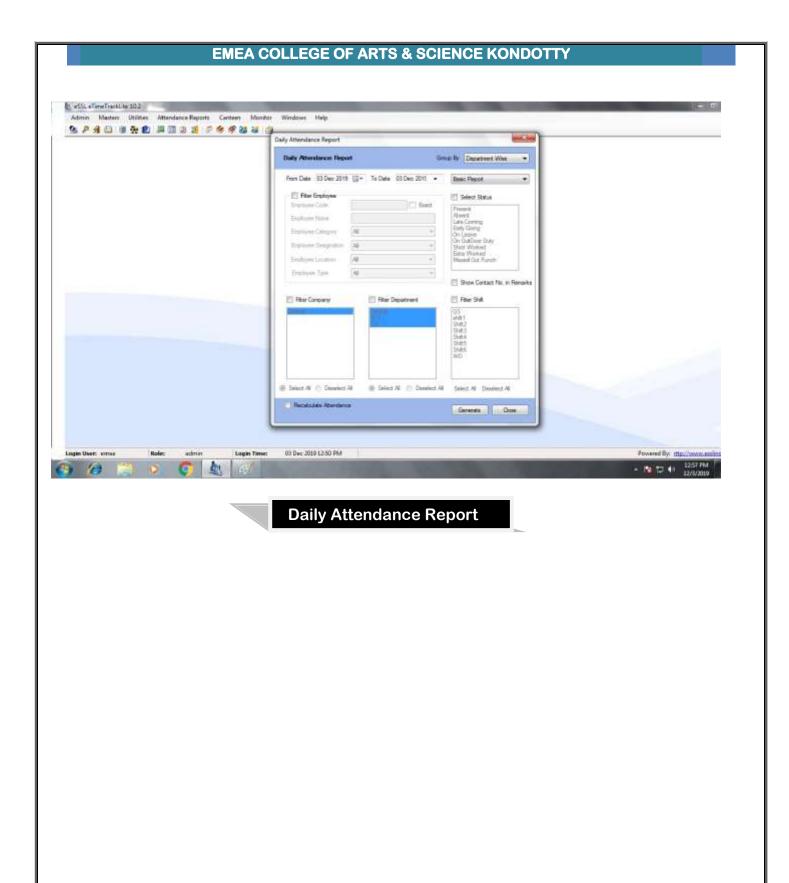
**Login Page** 

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**EMEA COLLEGE OF ARTS & SCIENCE KONDOTTY** 

#### **Employee Management**



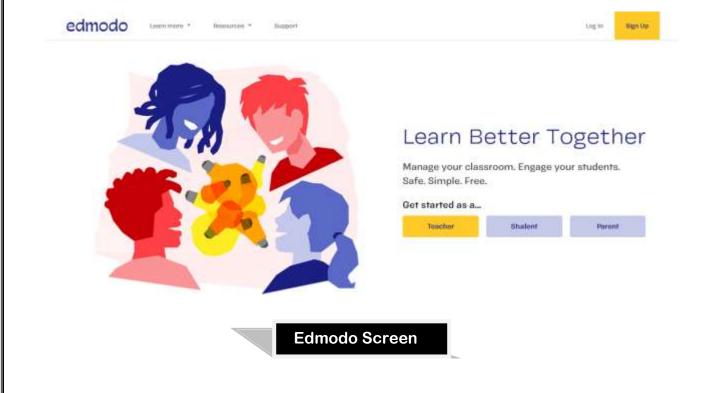


# **LMS**

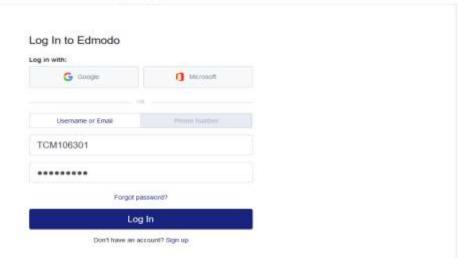
A **learning management system** (**LMS**) is a software application for the administration, documentation, tracking, reporting, and delivery of educational courses, training programs, or learning and development programs.

# **EDMODO**Cloud-Based Learning Management System

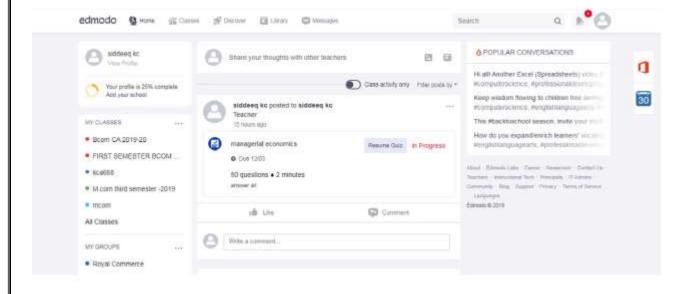
Edmodo is an educational technology company offering a communication, collaboration, and coaching platform to educational institution and teachers. The Edmodo network enables teachers to share content, distribute quizzes, assignments, create academic groups, distribute assignments, homework, schedule online tests track student performance and manage communication with students, colleagues, and parents.



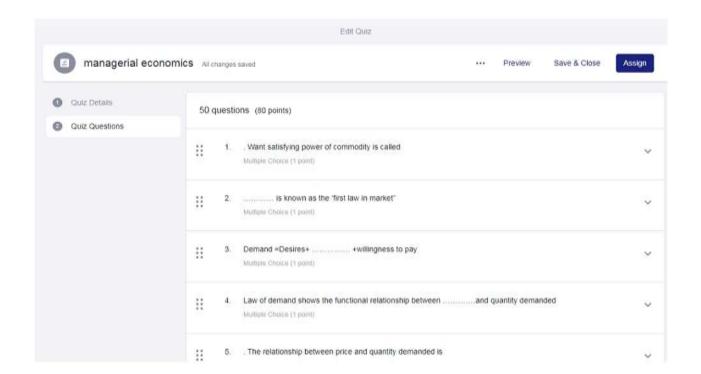
#### edmodo



### **Teacher Login Page**



**Teacher Home Page** 



### Mcq Exam Screen

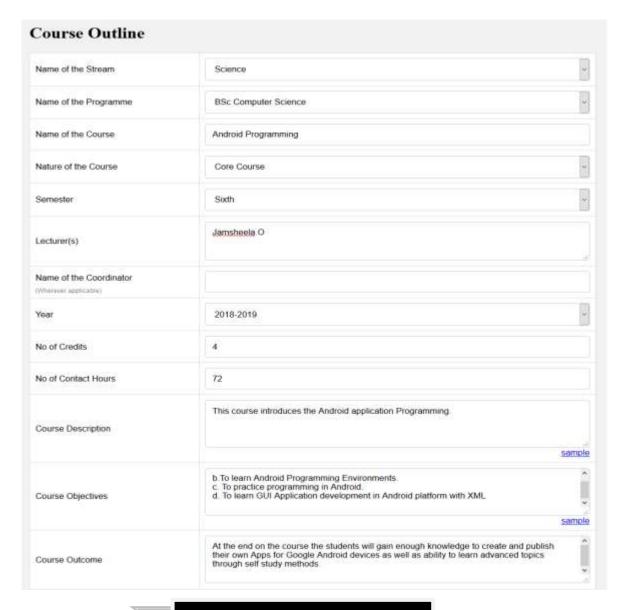




# **COURSE OUTLINE TEMPLATE**

### **Teaching & Learning Management Template**

Students aspiring to take up a training course are always on the lookout of a course outline. A course outline template is thus really useful as it allows you to present the gist of the course so that the aspiring students can have an overview of the program at a glance. Without an outline it is not possible to get a proper view of the course. Course outlines are critical resources that help students understand the course: its aims, learning outcomes, course requirements and assessment.



**Course Outline Template Form** 



# Course Outline Form

2019

Dear Student: Course outlines are intended to provide students with an overall plan for a course to enable them to function efficiently and effectively in the course. Academic Programs
BSc Computer Science
EMEA College
Kondotty

# Course Outline: Android Programming (2018-2019)

Name of the Stream	Science
Name of the Programme	BSc Computer Science
Name of the Course	Android Programming
Nature of the Course	Core Course
Semester	Sixth
Lecturer(s)	Jamsheela,O,
Name of the Coordinator	
Year	2018-2019
No of Credits	4
No of Contact Hours	72
Course Description	This course introduces the Android application Programming.
Course Objectives	a. To have a review on concept of Android programming.     b. To learn Android Programming Environments.     c. To practice programming in Android.     d. To learn GUI Application development in Android platform with XML
Course Outcome	At the end on the course the students will gain enough knowledge to create and publish their own Apps for Google Android devices as well as ability to learn advanced topics through self study methods.
Assessment Method	Assignments Homeworks Class Tests Unit Tests Practical Tests Seminars Lab Experiments
Teaching Methods Used	Lectures LMS Class Discussion Seminars Handouts Powerpint Slides
Textbook	1. Satya Komatineni & Dave MacLean, Pro Android 4, Apress.
References	Retomeier, Professional Android 4 Application Development, Wrox.     Zigurd Mednieks, Laird Dornin, G. Blake Meike, and Masumi Nakamura, Programmin Android, O'Reilly

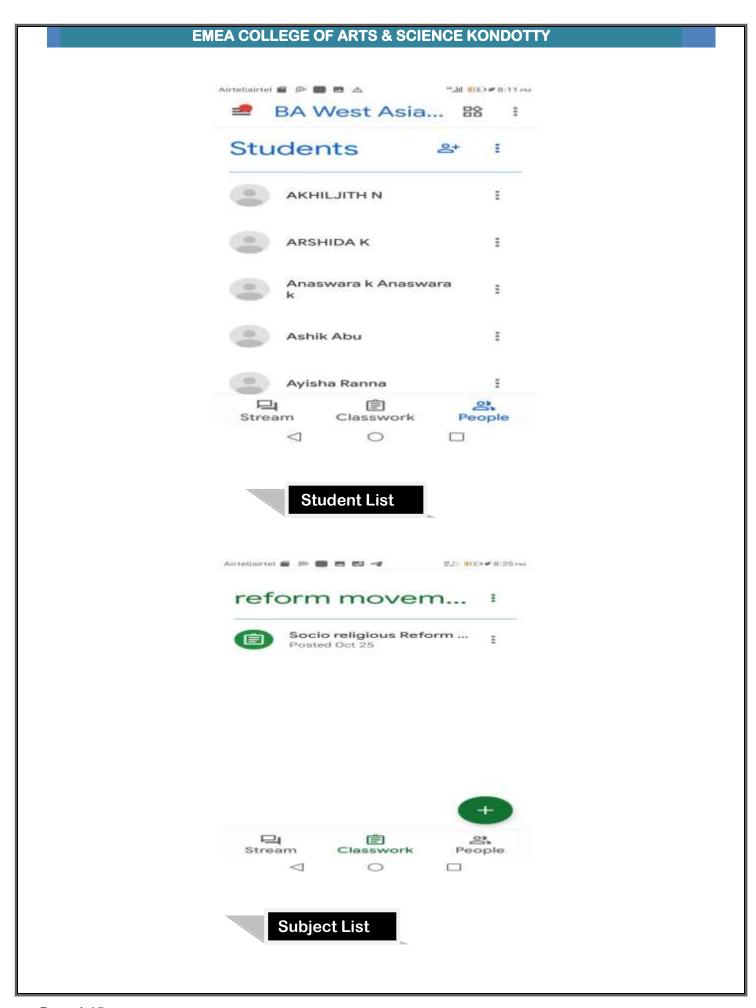
Generated PDF

# **GOOLE CLASS ROOM**

### m-governance Learning Management System

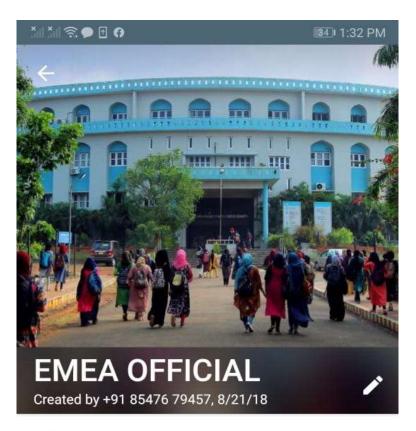
Google Classroom is a free web service, developed by Google for schools, that aims to simplify creating, distributing, and grading assignments in a paperless way. The primary purpose of Google Classroom is to streamline the process of sharing files between teachers and students.



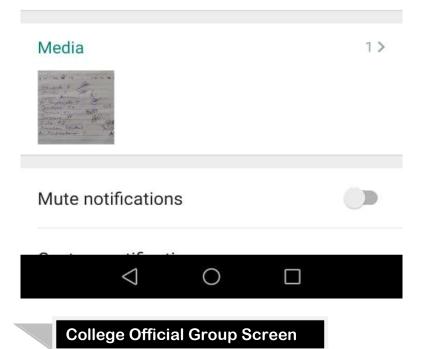


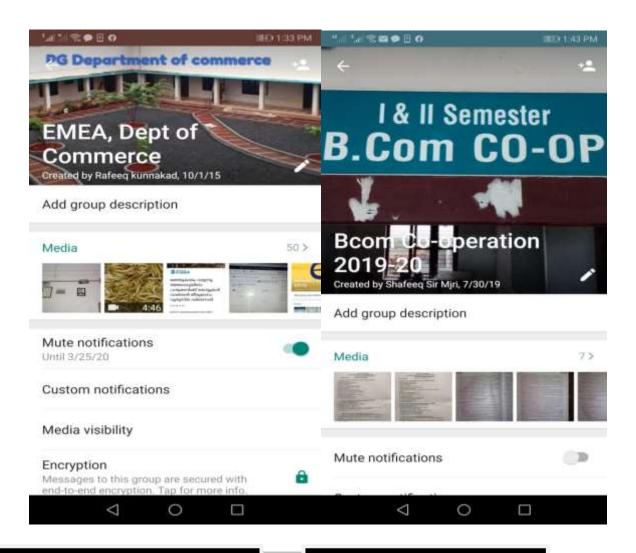
# WHATSAPP GROUPS

# m-governance Communication Application



Add group description





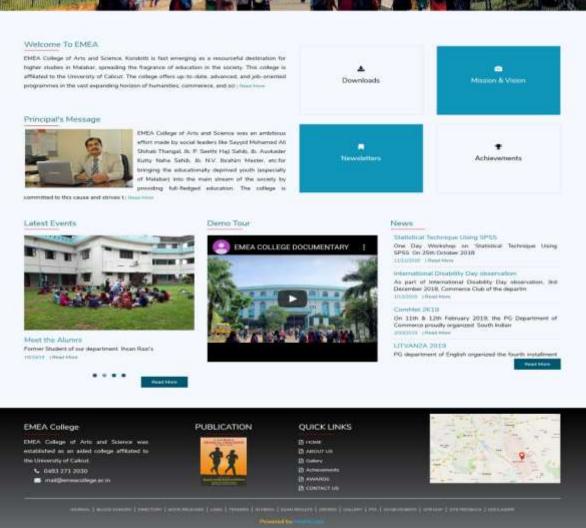
**Department Group Screen** 

Class Group Screen

# **COLLEGE WEBSITE**

www.emeacollege.ac.in





# **COLLEGE LIBRARY WEBSITE**

www.library.emeacollege.ac.in





### **IJARED**

### **College Research Journal Portal**

IJARED



#### Home

#### About EMEA College

E.M.E.A. College of Arts and Science, Kondotti is fast emerging as a resourceful destination for higher studies in Malabar. spreading the fragrance of education in the society. This college is affiliated to University of Calicut. The college offers upto-date, advanced and job-oriented courses in the vast expanding horizon of humanities, science and technology

The college is situated at Kumminiparamba in Kondotti, 6 KMs away from Callcut University, a KMs from Callcut International Airport, 18 KMs from Feroke Railway Station, and 32 KMs from Calicut City; with a congental atmosphere for academic pursuits. The place is ideally suited for the growth and development of educational institutions for higher learning. The institution aims at the overall development of this backward area of Kerala by opening new vistas of opportunities to the future generations, without any discrimination against caste, creed, sex or colour.

The college is run by Ernad Muslim Educational Association, which was formed with the objective of establishing a chain of educational institutions and cultural centers to cater to the needs of educationally and culturally backward section of the

Established on 1st November 1982 as a junior college, it flourished as a post graduate college today.

#### About IJARED

International Journal of Advanced Research in Emerging Disciplines (IJARED, ISSN: 2348-3342) is a venture of EMEA College. published annually along with the provisions for special issues whenever it is required. The journal starts publishing since 2033 with ISSN: 2348-3342. It aims at providing a platform to young researchers, teachers and academics of colleges, universities and institutions to express divergent views on various issues of academic and social importance exploring the emerging ideas in the fields of humanities. IJARED will be regularly published in the month of June and will be a fully referred journal. Economy, Polity, Society, language and literature and other studies of interdisciplinary importance are identified as the thrust areas including others. IJARED welcomes contributions from the relevant disciplines.

Author Guldelines Transfer of Copyright Agreement Teroplate. Archives Editorial Board Editorial Policy

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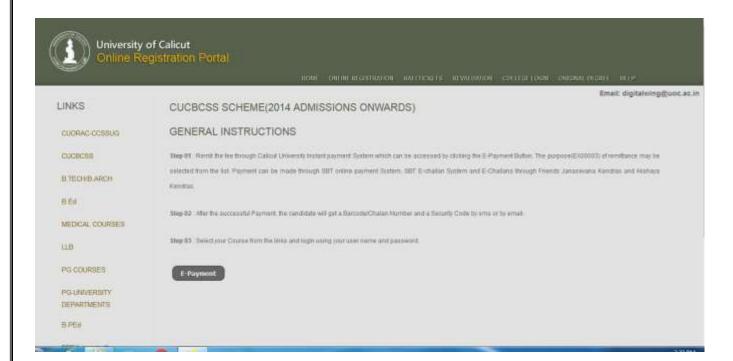






# UNIVERSITY ONLINE REGISTRATION

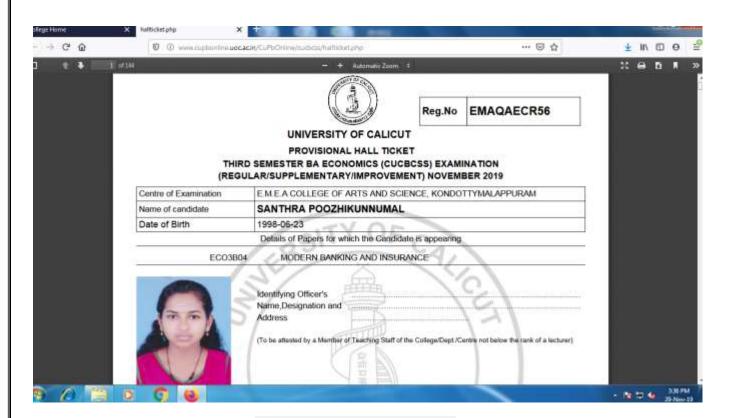
### e- Governance Online Examination Registration Portal



### **E Payment Screen**



Exam Registration Screen



**Hall Ticket Generation** 

### **SPARK**

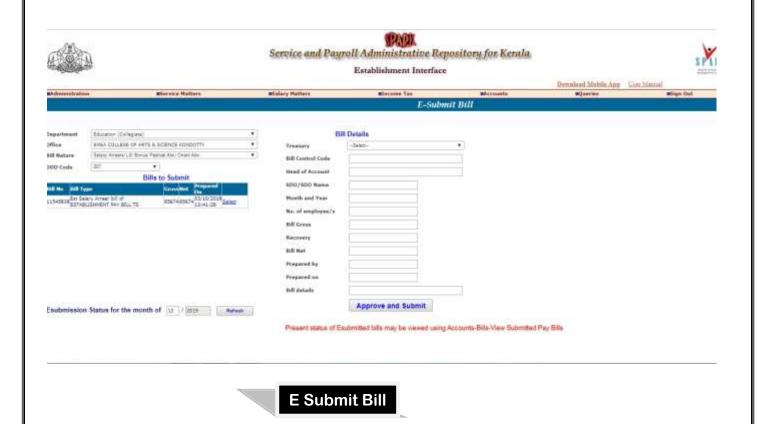
### e- Governance Service and Payroll Administration

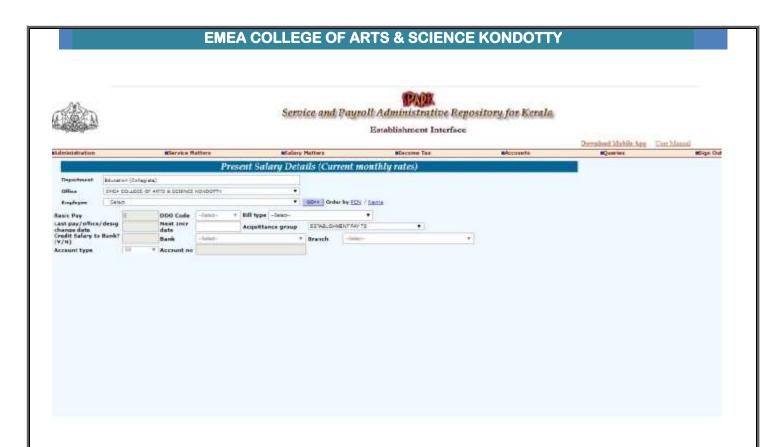
SPARK (Service and Payroll Administrative Repository of Kerala), is an e- Governance endeavor under Finance Department, Govt of Kerala, operational since 2007. State Government has ventured this project with a vision to digitize all HR related service and salary data of Government employees. In order to achieve this vision SPARK has been implemented in all the State Government Establishments covering 39 Government Departments, under which 122 Field Departments and over 30000 offices spread across the State. As per our data about 5 lakhs employees are currently being benefitted from this facility. Service books of all employees in state service have been digitalized through this software.





### **Personal Management**





**Payroll Management** 

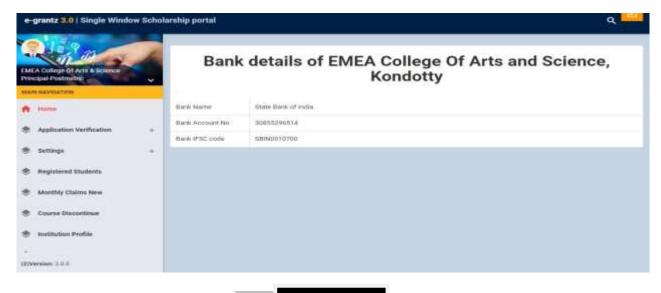
### E-GRANTZ 3.0

### e-Governance Single Window Scholarship Portal

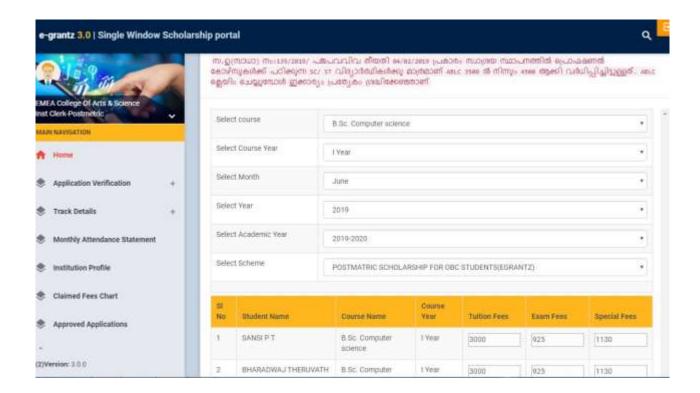
e-grantz is web based solutions for the timely disbursement of educational assistance to all the post matric students of SC, ST, OBC as well as economically weaker sections of society in Kerala. It provides provision for making online application, processing and sanction of educational assistance.



Login Page



**Home Page** 



**Student Registration Screen** 



**Statement Report** 

Certified that the data attached herewith is true.



PRINCIPAL

EMEACOLLEGE OF ARTS

SCIENCE, KUNDOTTY

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