

# COLLEGE MANAGEMENT SYSTEM

GUIDED BY  
**ASSOCIATE PROF. K RAJA KUMAR**



**PRESENTED BY**  
**K JAYA MADHURI (421206421015)**

# **C O N T E N T S**

**01.Acknowledgement**

**02.Abstract**

**03.Introduction**

**04.Requirement Specification**

**05.Scope of the project**

**06.Technologies used**

**07.Modules of the System**

**08.CMS Screens**

**09.Biblography**

**10.Conclusion**

# Acknowledgement

I Would Like To Show My Greatest Appreciation To ASSOCIATE PROF. DR K RAJA KUMAR, Enough For His Tremendous Support And Help. Without His Encouragement And Guidance This Project Would Not Have Materialized.

I Would Like To Thank Prof. K NAGESWARA RAO, Head Of The Department, Information Technology And Computer Applications, AndhraUniversity College Of Engineering (A), For His Encouragement And Valuable Guidelines In Bringing Shape To The Dissertation.

I Am Sincerely Thankful To Prof. G. Sasi Bhusana Rao , PRINCIPAL, For The Valuable Support .

# Abstract

The College Management System (CMS) is a comprehensive software solution that automates administrative tasks in educational institutions. It includes modules for student enrollment, academic records, events in college, placement details. CMS simplifies student enrollment, ensuring a seamless process for students and administrators.

It provides accurate and accessible student data, placement details, events in college etc. The system also makes us download data in the form of excel sheets. CMS enhances productivity, improves data accuracy, and fosters effective communication. It is flexible and scalable, suitable for institutions of varying sizes.

# Introduction

The College management system is the ultimate solution to digitize and streamline the day - to - day operations of colleges and universities. From student details management to college details management and placement details to higher education details. The approach of software has several benefits. It has an email Id and password for all the process connected to the college. Students can add and update their details any time anywhere.

Overall, the College Management System is a valuable tool that brings efficiency and effectiveness to the administrative operations of educational institutions

**Authorized Users** :- Admin, Students

# Requirement Specification

**User management:** The system should support user roles and permissions, allowing administrators, students to have specific access levels and privileges within the system.

**Student Enrollment:** The system should provide an online platform for students to submit their applications, upload documents and update data. It should enable administrators to process applications efficiently and generate admission letters or offer notifications.

**Security and Data Privacy:** The system should prioritize data security and privacy, implementing appropriate measures to protect sensitive information.

**Data management:** Data should be stored, retrieved, updated and downloaded as Excel.

# Scope

The scope of a College Management System encompasses a wide range of functionalities and features aimed at efficiently managing the administrative processes and operations within an educational institution.

This system is designed to be easy for people to use and efficient for a wide range of different tasks. These tasks may include things like registering new students, managing activities, managing placements, and all the other things that make the department of the college work well.

# ▲ Modules of the System ▲

## **Adminstrator**

Store/Download Data

Update Details

Delete Details

View Details

## **Student**

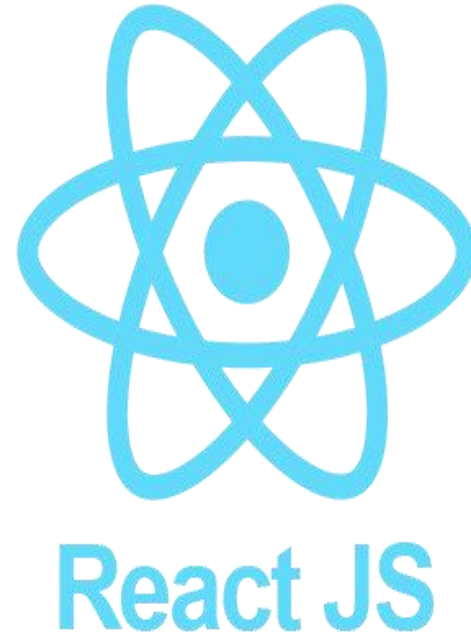
Add Student Details

Update Student Details

Upload Documents



# Technologies Used





Nodejs a framework for Backend

Reactjs a scripting language for  
Frontend





MySql for Database

# CMS Screens

## Home Page

**AU**

BTECHMTECHMSC / MCASURVEYLOGIN



**----- Quick Links -----**

- ➔ AU LOOKS
- ➔ AU LIBRARY
- ➔ ACADEMIC CALENDAR
- ➔ AU PHOTO GALLERY
- ➔ ABOUT US

**----- Contact Details -----**

✉ Email : [support@andhrauniversity.edu.in](mailto:support@andhrauniversity.edu.in)

✉ Email : [enquiry@andhrauniversity.edu.in](mailto:enquiry@andhrauniversity.edu.in)

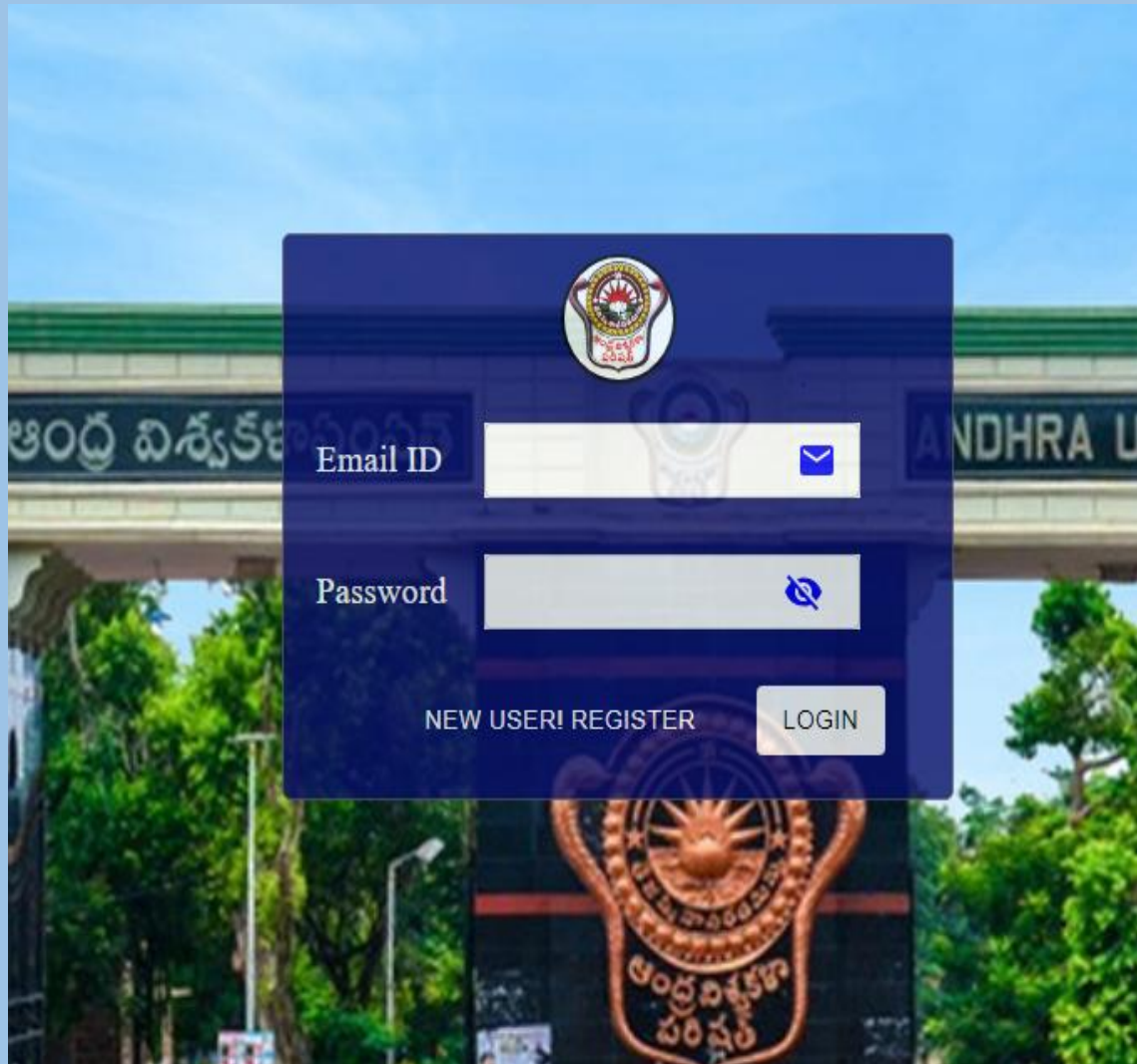
🕒 Office Timings : Mon-Sat : 10:00 AM to 5:00 PM

☎ Phone:0891 2844000

**----- Departments -----**

- ➔ CSE
- ➔ IT & CA
- ➔ FACILITIES & SERVICES
- ➔ PROGRAMS OFFERED

# Login and Register Page



The image shows a login and register page for a website. The page has a dark blue background with a white border. At the top center is the logo of the Government of Andhra Pradesh. Below the logo, there are two input fields: "Email ID" and "Password". The "Email ID" field has a white envelope icon on the right. The "Password" field has a white eye icon on the right. Below the input fields, there are two buttons: "NEW USER! REGISTER" and "LOGIN". The background of the page shows a green building with the text "ANDHRA U" and "ఆంధ్ర విశ్వకళాపరిషత్" (Andhra Sahasrakala Parishat) in Telugu.

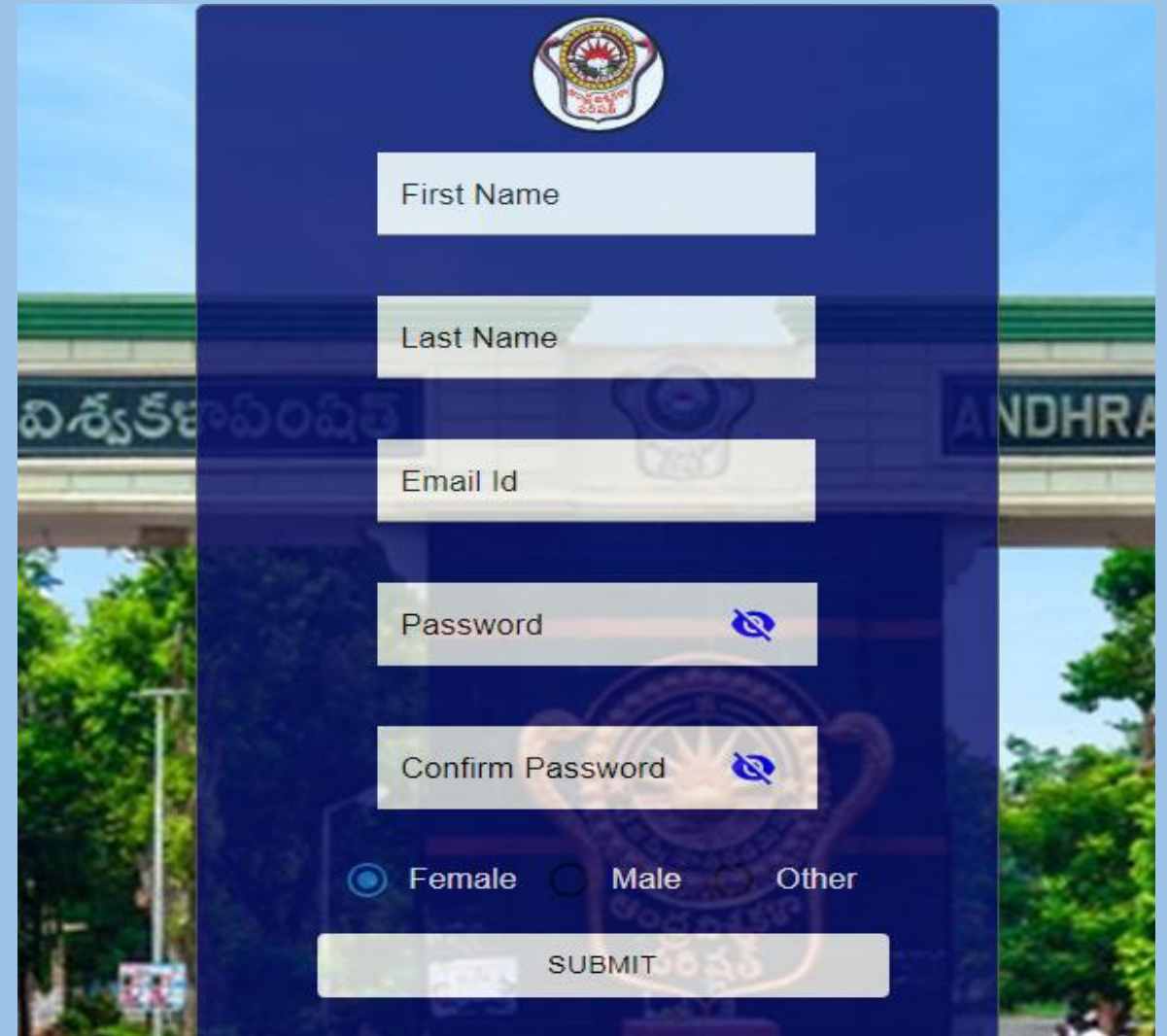
Logo of the Government of Andhra Pradesh

Email ID

Password

NEW USER! REGISTER

LOGIN



The image shows a registration page for a website. The page has a dark blue background with a white border. At the top center is the logo of the Government of Andhra Pradesh. Below the logo, there are five input fields: "First Name", "Last Name", "Email Id", "Password", and "Confirm Password". The "Password" and "Confirm Password" fields have white eye icons on the right. Below the input fields, there are three radio buttons: "Female", "Male", and "Other". The "Female" radio button is selected. Below the radio buttons, there is a "SUBMIT" button. The background of the page shows a green building with the text "ANDHRA U" and "ఆంధ్ర విశ్వకళాపరిషత్" (Andhra Sahasrakala Parishat) in Telugu.

Logo of the Government of Andhra Pradesh

First Name

Last Name

Email Id

Password

Confirm Password


☒ Female ☐ Male ☐ Other

SUBMIT

# Student Home Page

Account Profile

LOGOUT



Student Form BTECH

Personal Details

University RollNumber

421206421015

First Name

Jaya

Last Name

Madhuri

Date of Birth

1-23-2001

Gender

☐ Male

☒ Female

☐ Other

Nationality

Category

SubCategory

ADHAR Number



☐ Fifth Year

☐ Sixth Year

## Certificates

Certificate Course

Certificate IssuedBy

Certificate Platform

CERTIFICATE 

## Internships

Company

Duration

CERTIFICATE 

## Placement Details

Number of Companies

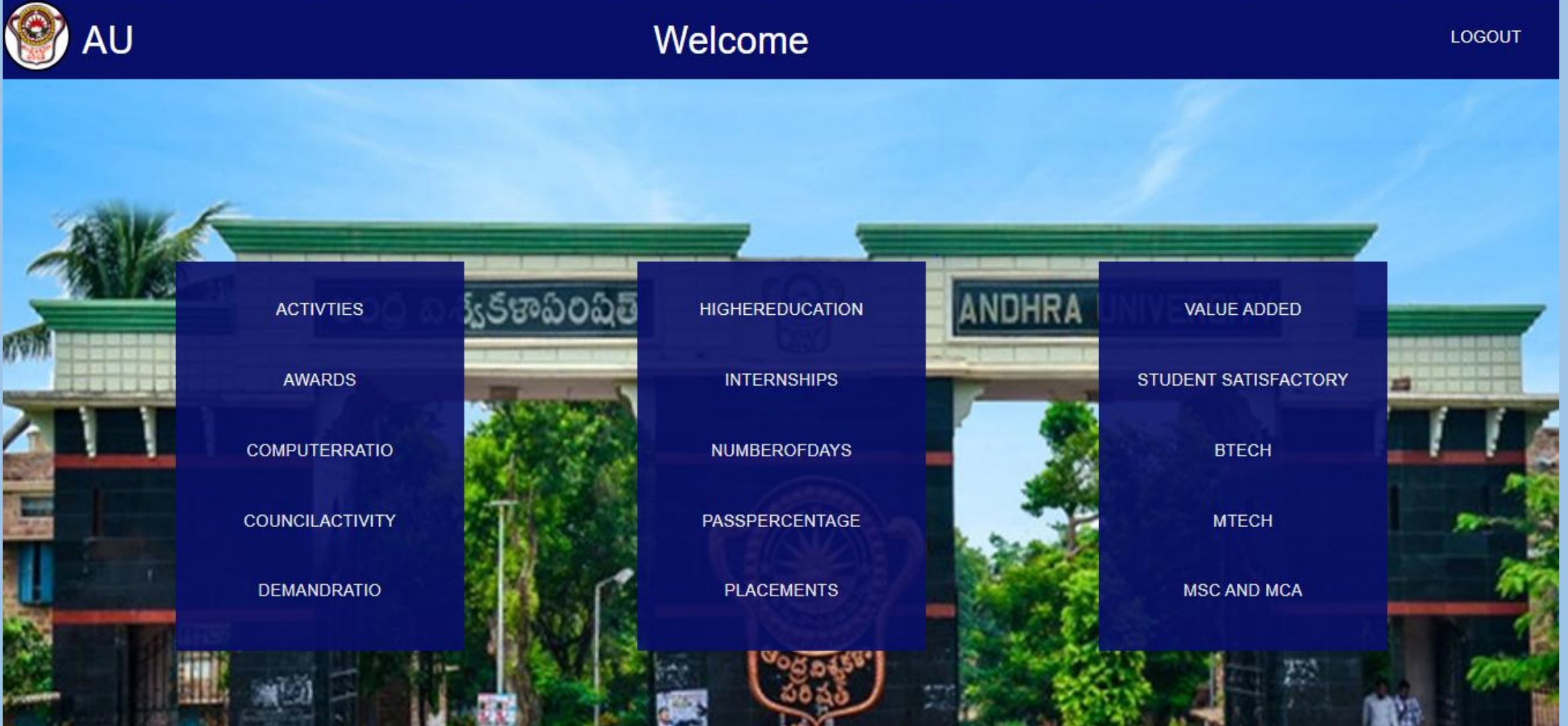
Company Name

Package

OFFERLETTER 

EDIT

# Admin Home Page



# View Student Details

## Btech




Search

DOWNLOAD

University RollNumber	First Name	Last Name	Gender	Nationality	DOB	Phone Number	Email ID	ADHAR Number	Address	District	State	Country	Pir Cod
421206421015	Jaya	Madhuri	female	Indian	1-23-2001	891987	421206421015@andhrauniversity.edu.in	9630798	14/205-A	Krishna	AP	India	5213

# Forms to add and update Details of an Operation



Andhra University College Of Engineering

Name Of Department

Total number of students

Number Of Computer Available

Student Computer Ratio

BILL PURCHASES:

Choose File


No file chosen

STOCK REGISTER:

Choose File

No file chosen

SUBMIT



Andhra University College Of Engineering

Name Of Department

jhg

Total number of students

87

Number Of Computer Available

87

Student Computer Ratio

87

BILL PURCHASES:

Choose File

No file chosen

STOCK REGISTER:

Choose File

No file chosen

SUBMIT



# Bibliography

- [www.google.com](http://www.google.com)
- [www.wikipedia.com](http://www.wikipedia.com)
- [www.tutorialspoint.com](http://www.tutorialspoint.com) - learn ReactJs full course
- [www.studytonight.com](http://www.studytonight.com) - MySql Overview
- [www.stackoverflow.com](http://www.stackoverflow.com) - How to use Excel in Nodejs
- [www.coursera.com](http://www.coursera.com) - Course on Server - Side - Development using Nodejs, Express, Mongodb.

# Conclusion

The College management system application is a desktop application system with two main users Admin and Students. The system is placed on a centralized server accessible by all registered account holders by the administrator into the system( under particular user level ) at all times.

The System allows its data to be shared, so it's installed on a centralized server and run from client machines at any department. All the college details are stored in a centralized database.

The system ensures strong security and confidentiality because of the tools, applications and methodologies that were employed during the design and development stages of the project. Email and password are always required to grant access.

**THANK YOU**

