PLACEMENT AND TRAINING CENTER

ABSTRACT

Submitted by

1. Shaik Malik Basha (202P1A05C5)

2.Shaik Mohammad Yusuf (202P1A05C7)

3. Shaik Muhammad Sajid (202P1A05D0)

4. Shaik Saleem (202P1A05D2)

Under the Guidance of

Mr. P Narasimhaiah

(Assistant Professor)

Department of Computer Science and Engineering

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
(Affiliated to JNTUA, Approved by AICTE, Accredited by NAAC with 'A' Grade & Accredited by NBA (B. Tech CE, EEE, ECE & CSE))

PLACEMENT AND TRAINING CENTER

Abstract

INTRODUCTION:

Training And Placement Cell is a web-based application developed using the MERN (MongoDB, Express.js, React.js, Node.js) stack for the training and placement department of the college. It aims to provide student details stored in a database accessible to companies during their recruitment process via a secure login.

The system comprehensively stores personal information, aggregate marks, skill sets, and technical skills of students, crucial for crafting resumes to be forwarded to companies. Accessible online, it facilitates easy management of student information for the Training and Placement Officer (TPO).

Students have restricted access to modify their personal information, aiding in updating details promptly. Additionally, they can access material for aptitude, reasoning, and placement papers, along with viewing college events and student achievements.

This project streamlines student details maintenance, offering a curated list of candidates for recruitment queries from companies.

ABOUT THE PROJECT:

The Training and Placement Cell serves as a robust management and information system for maintaining up-to-date student information within a college. It resolves the challenges of record-keeping and student search for recruitment eligibility criteria. Efficiently utilizing hardware and software resources, it provides a user-friendly interface for all stakeholders.

The system's home page features various links including login, event updates, achievements, and recruiter details. Administrators are responsible for user creation and account management, ensuring student details are accurate and up-to-date.

Users, both students, and administrators have access to common services such as password management, data updating, searching, and communication features.

Developed using the MERN stack, this project ensures seamless integration and scalability, with MongoDB as the backend database, Express.js for server-side logic, React.js for the front end, and Node.js for the server environment.

PROBLEM DEFINITION:

In today's scenario, manual maintenance of student records for campus placements poses significant challenges. The absence of a computerized system results in time-consuming processes for placement officers and poor communication between students and placement authorities.

Existing System and its Drawbacks:

The manual system lacks computerization, leading to tedious record maintenance and communication gaps. It poses challenges in collecting and approving student details, resulting in inefficiencies in the recruitment process.

PROPOSED SYSTEM AND MERITS:

The proposed fully computerized system eliminates existing drawbacks by offering an online platform accessible to all stakeholders. It streamlines the management of student information, providing ease of access and timely communication between students, placement officers, and recruiters.

ADVANTAGES OF THE PROPOSED SYSTEM:

- Streamlined collection and approval of student details by placement officers.
- Improved communication between stakeholders.
- Enhanced access to company details and preparation materials for students.
- Efficient search functionalities for recruiters based on student percentage.
- Seamless distribution of placement preparation materials by placement officers.

HARDWARE AND SOFTWARE SPECIFICATIONS:

HARDWARE SPECIFICATIONS:

- Processor: Intel Pentium or higher, IBM Cyrix (Intel compatible)
- Hard Disk: Minimum 20 GB
- RAM: Minimum 256 MB RAM recommended

SOFTWARE SPECIFICATIONS:

- Operating System: Microsoft Windows
- Programming Environment: JavaScript, MERN Stack
- Database: MongoDB
- Web Server: Node.js
- Web Browsers: Internet Explorer, Google Chrome
- Database Drivers: MongoDB Drivers

Project Guide	**Project Co-ordinator**	**Head of the Department**
Mr. P Narasimhaiah	Mr. M Ayyavaraiah	Dr. Y. D. Rami Reddy
(Assistant Professor)	(Assistant Professor)	(Professor)
Dept of CSE.	Dept of CSE.	Dept of CSE.