JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA, SECTOR-62

Minor Project-II
Summary

JIIT Traning & Placement Portal

Submitted to:
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By:
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Motivation behind the Project

Our college lacks a straightforward system for handling placements. Without a central place for students to find job opportunities or for administration to manage them, the process gets tangled. Our motivation? We want to untangle it. This portal will bring all placement tasks together, like posting jobs and scheduling interviews, making everything smoother and clearer. With better access to career resources and support, we hope to boost their chances of success. Additionally, we are driven by the goal of aligning our efforts with the broader institutional mission of preparing students for successful careers. Through this project, we seek to empower our student community, enhance administrative efficiency, and bridge the gap between academia and the professional world, ultimately contributing to the holistic development of our college ecosystem.

Type Of Project

This is a pure development project focused on building and implementing the JIIT Placement Portal. While there may be elements of research involved in optimizing functionalities or exploring innovative features, the primary focus is on the development and deployment of a functional platform.

Critical Analysis

1. Placement Test Web Portal: Development of an Online Placement System with features like email automation, sentiment analysis, resume building, and report generation to enhance efficiency and reduce paperwork.

2. Advance Training and Placement Web Portal: Focus on the significance of autonomous systems in training and employment strategies, emphasizing the benefits of online interaction and user-friendly interfaces provided by the ATPWP system.

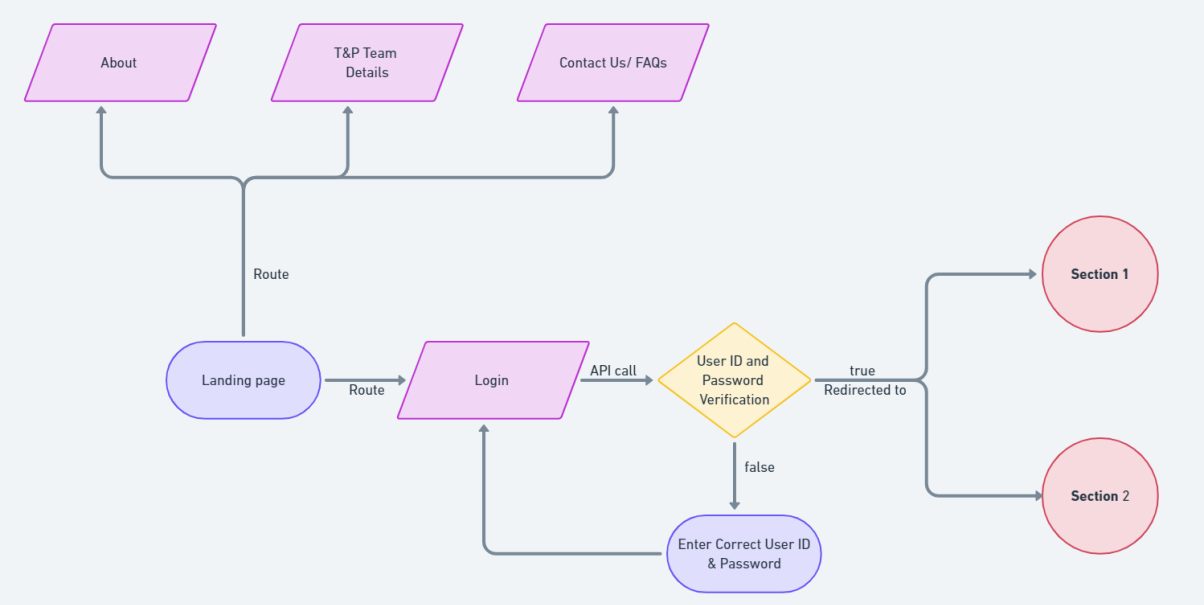
3. Implementation of Training and Placement System: Creation of a job reservation portal for college students to interact with IT companies directly and secure suitable IT jobs post-graduation, examining modern online recruitment systems and e-recruitment methods.

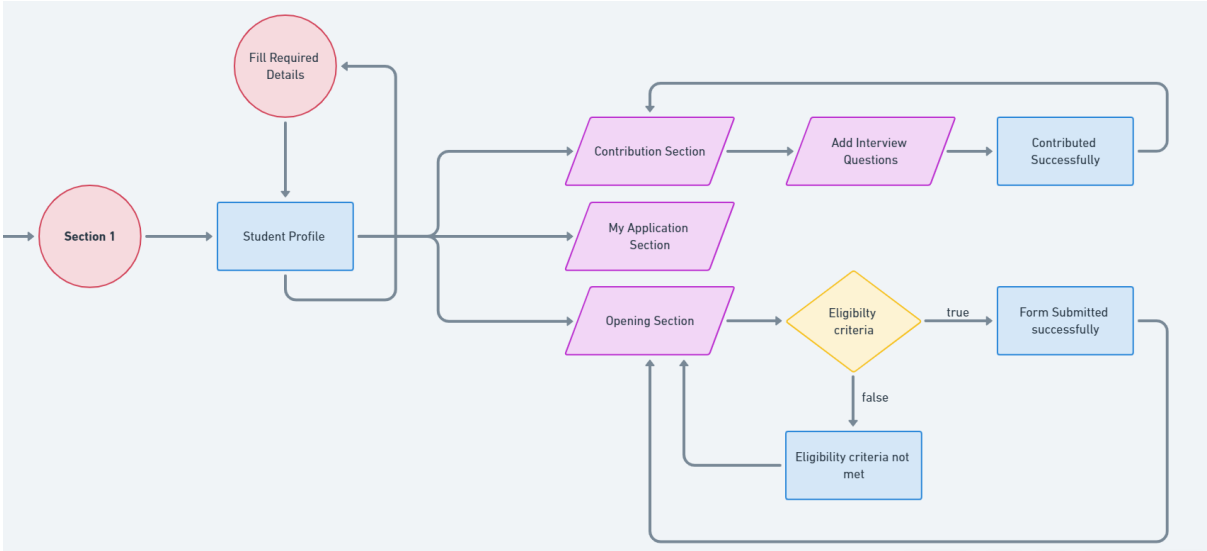
4. Designing of Web Portal for Training and Placement Cell: Examination of designing and operating web portals for Training and Placement Cells in educational institutions, emphasizing the automation of routine processes and optimization of back-end operations.

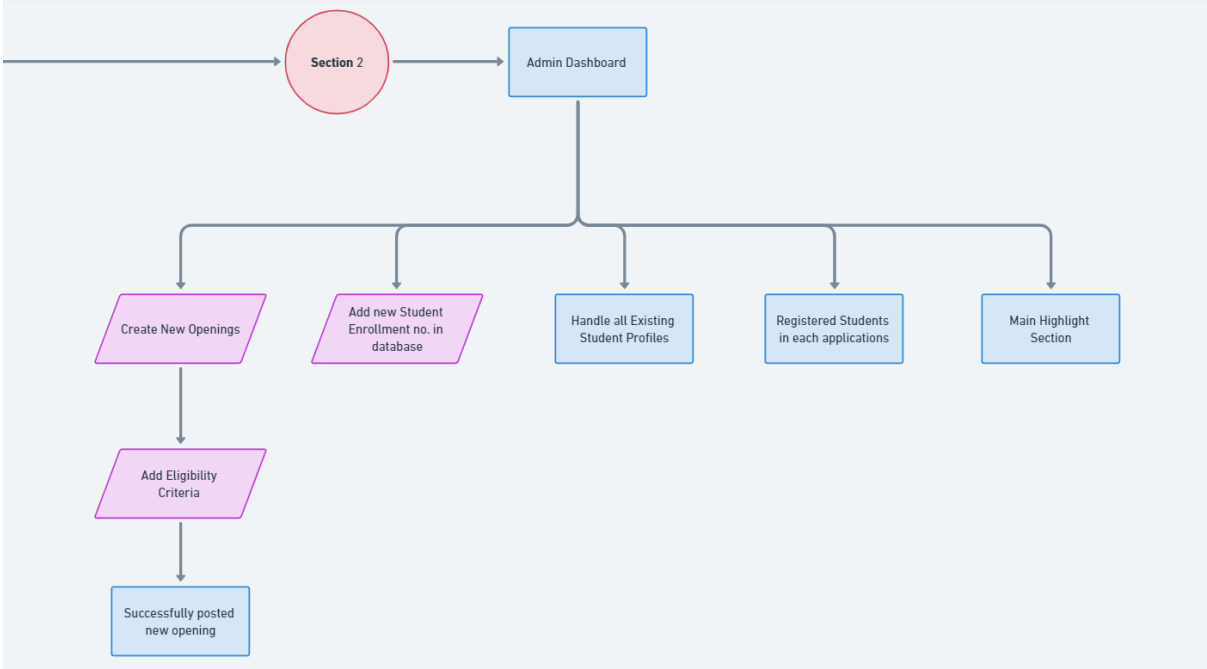
5. Placement Portal (Rana and Upendra, 2015): Development of a web portal acting as a database manager and trainer for students in a university setting, incorporating aggregate design, data-driven outputs, and forward-looking adjustments for placement process improvement.

6. Training and Placement Web Portal (Kasture et al., 2014): Highlighting a complex system providing in-college support for training and placement information, identifying system modules, feasibility study, user interfaces, and future improvements for placement activities of stakeholders.

Overall design of the project







Features built and languages used

1. Secure login and authentication mechanisms for both students and Training and Placement (T&P) team members.

2. Ability for T&P team members to post job openings from various companies, including details such as job title, description, requirements, and application deadlines.

3. Students can browse through available job openings, view job details, and submit applications directly through the portal.

4. Students can create personalized profiles containing their academic qualifications, skills, projects, and work experience.

5.Automated email notifications to students for new job postings, application reminders, and status updates on their applications.

6. Responsive design and mobile-friendly interface to ensure accessibility across devices, including smartphones and tablets.

7. Channels for students to provide feedback, ask questions, and seek support from the T&P team regarding job applications and career guidance.

8. Showcase success stories and testimonials from students who have secured placements through the portal, inspiring and motivating others.

9. Dashboard for T&P team members to manage job postings, applications, student profiles, and overall portal settings.

Tech Stack used

React Js, Tailwind CSS, Custom CSS, Javascript, Node Js, Express Js

Proposed Methodology

The project follows a structured methodology from planning to deployment, ensuring a systematic approach to development. This methodology includes phases such as requirements gathering, design, development, testing, deployment, and post-deployment support. By adhering to this methodology, the project aims to minimize risks, optimize resource utilization, and deliver a high-quality solution within the stipulated timeframe.

Algorithm/ Description of work

The Placement Portal at JIIT has been developed with a modern tech stack and development approach. Using React.js for frontend and Node.js with Express.js for backend, the platform ensures scalability and performance. Tailwind CSS and custom CSS enable rapid UI development, while Redux manages global state. RESTful APIs are implemented for CRUD operations, with MongoDB Atlas for data storage. Testing is conducted using ThunderClient, and development is facilitated by Visual Studio Code and Git version control. This comprehensive approach ensures a high-quality, user-friendly application for efficient placement processes.

Division of work among students

Work is distributed among team members based on their skills, expertise, and project requirements. Each team member is assigned specific tasks or modules to develop, test, and deploy.

Himanshu Dixit- Backend, Frontend and Backend Integration, Synopsis
Srishti Garg – API Testing, Frontend, Report
Kamal Garg - Backend, Frontend and Backend Integration, Summary Sheet

Results

Through dedicated collaboration and concerted teamwork, we have successfully developed and deployed an automated Training and Placement Cell system. This robust platform acts as a centralized hub, providing administrators and students with a smooth and effective way to navigate through the complexities of the placement process. With a comprehensive range of features tailored to meet the requirements of both parties, our solution greatly simplifies the traditionally challenging task of placement management. By harnessing contemporary technologies and adhering to industry best practices, we have established a user-friendly environment that empowers users to seamlessly participate in placement activities. This accomplishment represents a significant advancement in improving the overall efficiency and efficacy of the placement process at our institution.

Conclusion

In conclusion, the development of the automated Training and Placement Cell system marks a significant achievement, streamlining placement processes for administrators and students. With its user-friendly interface and comprehensive features, the project enhances efficiency and effectiveness, promising to elevate the placement experience at our institution.