



PLACEMENT CELL

Presented By Group 22

**Course Instructor: Professor Manish Khare
Professor Saurabh Tiwari
Mentor : Jhanvi Mam**

Contribution

Group Leader - Jatin Ranpariya

- **Frontend Development** - Kathan, Maitri, Dev, Kenil, Hiten, Kuldeep, Anurag
 - Admin - Dev, Anurag, Maitri
 - Student - Kenil, Kuldeep
 - Company - Kathan, Hiten
- **Backend Development** - Jatin, Jaimin, Viraj
 - Jatin - Student Section, JWT authentication, CRUD
 - Jaimin - Company Section
 - Viraj - Admin Section
- **SRS Documentation** - Kathan, Dev, Maitri
- **Non-Functional Testing** - Jatin, Viraj
- **Minutes of meeting logs** - Jaimin, Dhananjay
- **GUI Testing** - Kathan, Maitri
- **Unit Testing** - Jatin, Viraj, Jaimin
- **Design Documents** - Kenil, Hiten, Kuldeep, Anurag
- **Powerpoint presentation** - Kenil, Hiten, Kuldeep, Anurag
- **System Testing** - (Blackbox Testing - Dev, Acceptance Level Testing - Kathan)

Objective



To have a centralized control over the records of the students placements.

Placement Cell can efficiently maintain placement drive.

Aim is to automate the process of placement system and make the process of recruitment easier.

Provide Convenience for the admin to manage and monitor the entire recruitment process.

Our **Milestones**



Separated teams for frontend and backend.
Also divided those teams into sub teams into Admin, Company, and Student section



Merged the work of frontend in one branch, And Merged the work of backend in another branch. Then merged both frontend and backend



Connected frontend and backend code and built the working product which is centralized system for admin, companies and students.



We tested our system and fixed some bugs.
We have tested our product 7 times and here we are with final working product.

The diagram illustrates the functional requirements of the DAICT Placement System, organized into four swimlanes representing different user roles: Student, Company, Visitor/General User, and Admin/Super-Admin.

- Student Swimlane:** Includes use cases for Register/De-register for companies/Job roles, View Jobs Posted, Manage Profile, Update Resume, Change Password, and Hire Students. It also features an include relationship from 'Schedule Jobs' to 'Send Email' and an extend relationship from 'View Jobs Posted' to 'Filter Jobs'.
- Company Swimlane:** Includes use cases for Post Job, view registered student list, Delete Job, Edit Job, and View posted Jobs. It features an extend relationship from 'view registered student list' to 'View posted Jobs' and an extend relationship from 'Delete Job' to 'View posted Jobs'.
- Visitor/General User Swimlane:** Includes use cases for Know about Placements at DAICT and Verify Company.
- Admin/Super-Admin Swimlane:** Includes use cases for view company list, view student list, Admin Statistics, Verify Students, Schedule Jobs, Verify Jobs, view Job list, Download Datasheet, Login, and Verify Company. It features an include relationship from 'Schedule Jobs' to 'Send Email' and an extend relationship from 'view Job list' to 'View posted Jobs'.

Key relationships and specializations include:

- Register:** A yellow oval use case shared by Student and Company.
- Login:** A green oval use case shared by Visitor/General User and Admin.
- Specialization:** An arrow points from 'Super-Admin / Placement Manager' to 'Admin', indicating that the Super-Admin role is a specialized version of the Admin role.

Take **Aways**

1 Team Work

Here we learnt how to work with team members and interact with groups.

2 Project Management

We learnt version control tool GitHub and collaborating team members for managing out project.

3 Front-End Development

Here we learnt front-end skills like html, css, bootstrap and JavaScript. Here we designed user friendly interface for optimizing performance of websites.

4 Back-End Development

Here we learnt server-side skills like API development and management using Postman, creating back-end of website using Node.js and to store data we learnt MongoDB.

Achievements



Achievement 1

We have Learned and implemented different technology in less time.

Achievement 2

Also, we learned more about the iterative waterfall model, Teamwork, and Time management skills that helps to develop a Product.

Achievement 3

We have successfully developed a placement cell system with different types of functionality with an efficient user interface.

Mistakes



Mistake 1

In the early stage, the frontend team was not in good communication with group members, so our frontend design was not in Consistency.

Mistake 2

The second mistake needed to be clearer communication between frontend and backend teams in the early stage. That caused problems while connecting frontend and backend.

Mistake 3

While the learning phase, there were some language errors, and once, by mistake, we accepted an old version of the project while merging two branches. Because of that, we lost two days work.

Rating for Software Artifacts



Project
Management

4.5



Documentation

4



Code Artifacts

4.5

Overall Rating

8.5 Out of 10