# Summer Internship Report 2021

**B.Tech – CP Semester 4**

**Chovatiya Parth Bharatbhai**

**19CP023**

Birla Vishvakarma Mahavidyalaya

Engineering College, Vallabh Vidyanagar
[An Autonomous Institution]
Managed by Charutar Vidyamandal

**Project Title:**

## Training and Placement Management Web Application

# Introduction

- Training and Placement Management System that helps to manage information related, how many companies visited till now, how many Students are placed and how many students are placed in particular company and all other information as well.
- I made this training and placement management application to make work life easy for training and placement coordinator and for replace all paper work with this digital software-based solution.
- This web application will also manage all necessary details about companies and all necessary details of student.
- This web application will manage following things.
    - Manage necessary information about companies and student.
    - Keep track of placement record.
    - Keep track of placement status of student.
    - Keep track of package offering by different companies.
    - Keep track of academic details of student.
- Advantage of Project.
    - Replace paper work with digital technology.
    - Easy to use by student and companies.
    - Easy to monitoring by college faculty.
    - Cost efficient and Easy to maintain.
    - Time saving for companies and student.
- In this project company can see all necessary information of students like, academic details, contact details etc. do that company can sort list student for giving interview.

# Objective

The main objective of this project is to develop real time web application which manage all necessary and important things that is required by student and company. So that student can see that, in which company they are eligible and also companies can see students details so that company can sort list students for giving interview.

# Function of Project

- Training and Placement web application helps to manage the information related to training and placement.
- First of all, Students need to register in application who want to seat in interview and Companies also need to register who want to hire from campus.
- While creating account, student and companies need to fill all necessary details in the form and submit it. When they submit it, All the detail is going to be store in database.
- After registered, login id and password will be given and they can login with this login id and password.
- If student/company login with invalid details then they are not eligible to see dashboard.
- After login, student/company can see dashboard, in which details are visible such that, in student dashboard student can see in which company they eligible for giving interview. And in company dashboard, they can see how many students are eligible for that company.
- If student or company need to change the details the they need to contact to placement coordinator.
- Othe users can see the placement record with graph and also, they can see which company offered how much and how many students are placed in that company int particular year.
- Company needs to set the eligible criteria, like if TCS want to take interview of CP, IT and EC branch students whose CPI is above 7.50. then only CP, IT and EC branch students are eligible whose CPI is on or above 7.50. and company can see these students details in dashboard page. And also, whose students are eligible, they can see company details int student dashboard page.

# Technologist Used

- I used MERN stack to build this project.

## About MERN stack

- MERN stack is a collection of robust and powerful technologies used to develop scalable master web application, comprising front-end, back0end and databases components.
- MERN stack comprises of 4 technologies namely: MongoDB, Express, React and Node.js

## MongoDB

- MongoDB is a cross-platform document-oriented database program.
- This is a NoSQL database program.
- MongoDB uses JSON like document with optimal schemas.
- MongoDB works on concept of collections and document.

## ExpressJS

- Express.js or Express, is a back-end web application framework for Node.js.
- It is an open-source software under the MIT License.
- It is design for building web application and APIs.

## ReactJS

- React is JavaScript library for building front-end and UI components.
- React is a free an open source for building front-end of web application.
- It is maintained by Facebook and community of individual developers and companies.

## NodeJS

- Node.js is JavaScript runtime environment that runs on the V8 engine and execute JavaScript code outside a web browser.
- Node.js is an open-source platform.
- Node.js can be used in both the front-end and back-end of application.

# Schedule

**1st Week**

| Date | Task |
|---|---|
| 18-06-2021 | Created Database Schema and Create an environment for project |
| 19-06-2021 | Created companies and student collection in MongoDB |
| 20-06-2021 | - |
| 21-06-2021 | Created an api for companies and student for login |
| 22-06-2021 | Created Authentication system for student and companies |
| 23-06-2021 | Created an api for companies and student for register |
| 24-06-2021 | Created Login Page for student and Companies |

**2nd Week**

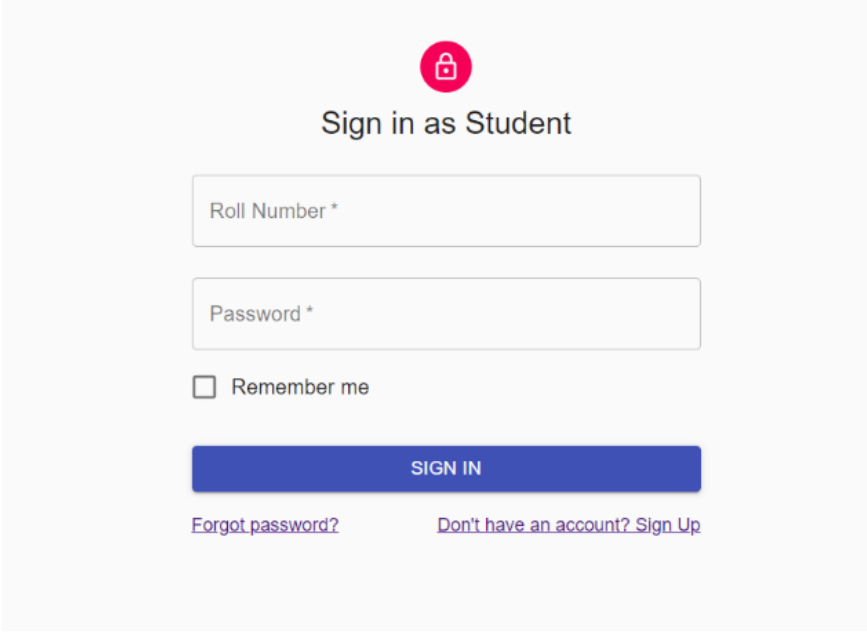
| Date | Task |
|---|---|
| 25-06-2021 | Created Multistep Register form for student and companies |
| 26-06-2021 | Connected Login and Register form with backend |
| 27-06-2021 | - |
| 28-06-2021 | Created Navbar and Footer and Home Page of Website |
| 29-06-2021 | Created Dashboard Page and Fixed some bugs |
| 30-06-2021 | Created Placement Home Page and Implemented data in Chart |
| 01-07-2021 | Created Placement Record Page and Associated Recruiters Page |

**3rd Week**

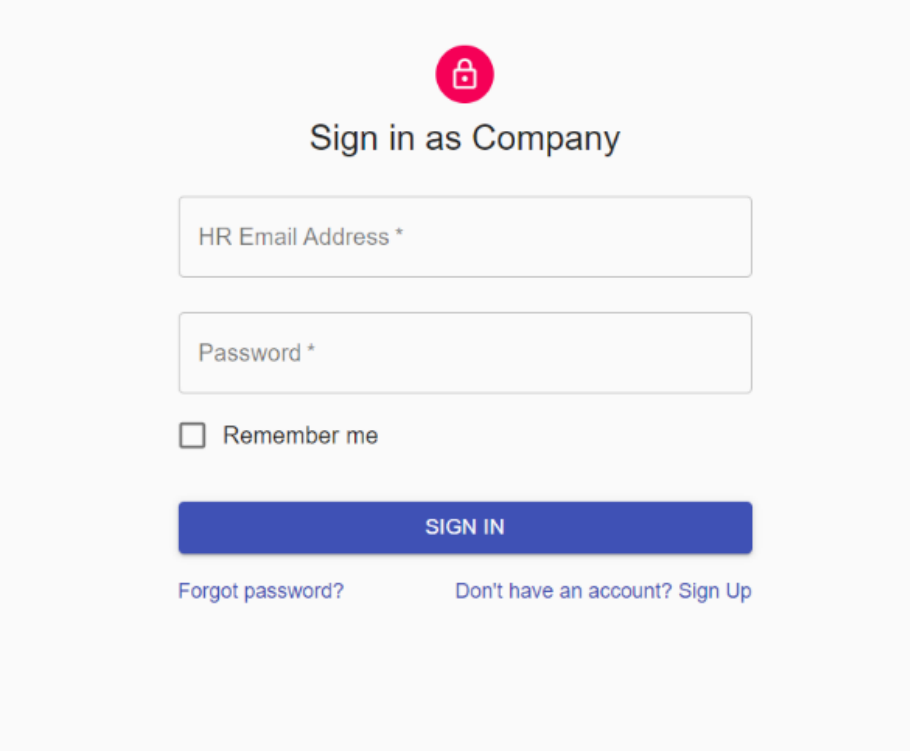
| Date | Task |
|---|---|
| 02-07-2021 | Created Recruiters Speak page and Add another Chart |
| 03-07-2021 | Fixed backend bugs |
| 04-07-2021 | Improve UI |

# Screenshot of different feature

## Student Login Page




## Company Login Page



# Home Page

Training & Placement Cell
Home
Placements
For Student
For Company
Birla Vishvakarma Mahavidyalaya Engineering College
TRAINING AND PLACEMENT CELL
Birla Vishvakarma Mahavidyalaya Engineering College, Vallabh Vidyanagar
[An Autonomous Institution]
Managed by Charutar Vidyamandal
Birla Vishvakarma Mahavidyalaya
VISION
"Produce globally employable innovative engineers with core values."
MISSION
Re-engineer curricula to meet global employment requirements. Promote innovative practices at all levels. Imbibe core values. Reform policies, systems and processes at all levels. Develop faculty and staff members to meet the challenges.
Principal's Message
Dear All, Birla Vishvakarma Mahavidyalaya Engineering College (BVM), an institution of Charutar Vidya Mandal, is the first engineering college of state(Since 1948) as well as first autonomous college of state(since 2015) established in 1948 by inspiration and motivation of Iron man of India Shri Sardar Patel and generous contribution from Shri Ghanshyamdasji Birla which is committed to emerge and disseminate word class unique learning experience through research based education and innovation across sphere. This premier technical institution has nurtured 20,000+ engineers and continuously evolved with the facilities like best infrastructure, state of art Laboratories upgraded with instruments and utility software packages, enriched library, central computing and net station, canteen, play field, gymnasium, medical
For Company
Register here to recruit students from Birla Vishvakarma Mahavidyalaya Engineering College through campus placements.
Register
For Student
Register here to seat in campus placement.
Register
Campus Beautiful Moments
Model Smart Classroom at...
BVM Engineering College 2...
BVM Introduction (II) || CV...
ASSOCIATIONS
Home
Placement
Login as Student
Login as Company
About Us
Contact Us
Birla Vishvakarma Mahavidyalaya Engineering college
Post Box No. 20,
Vallabh Vidyanagar, 388 120
Dist: Anand(Gujarat) India
Telephone: +91-2692-230104
Email Id : principal@bvmengineering.ac.in
Virtual Tour
Birla Vishvakarma Mahavidyal...
View larger map

# Training and Placement details Page

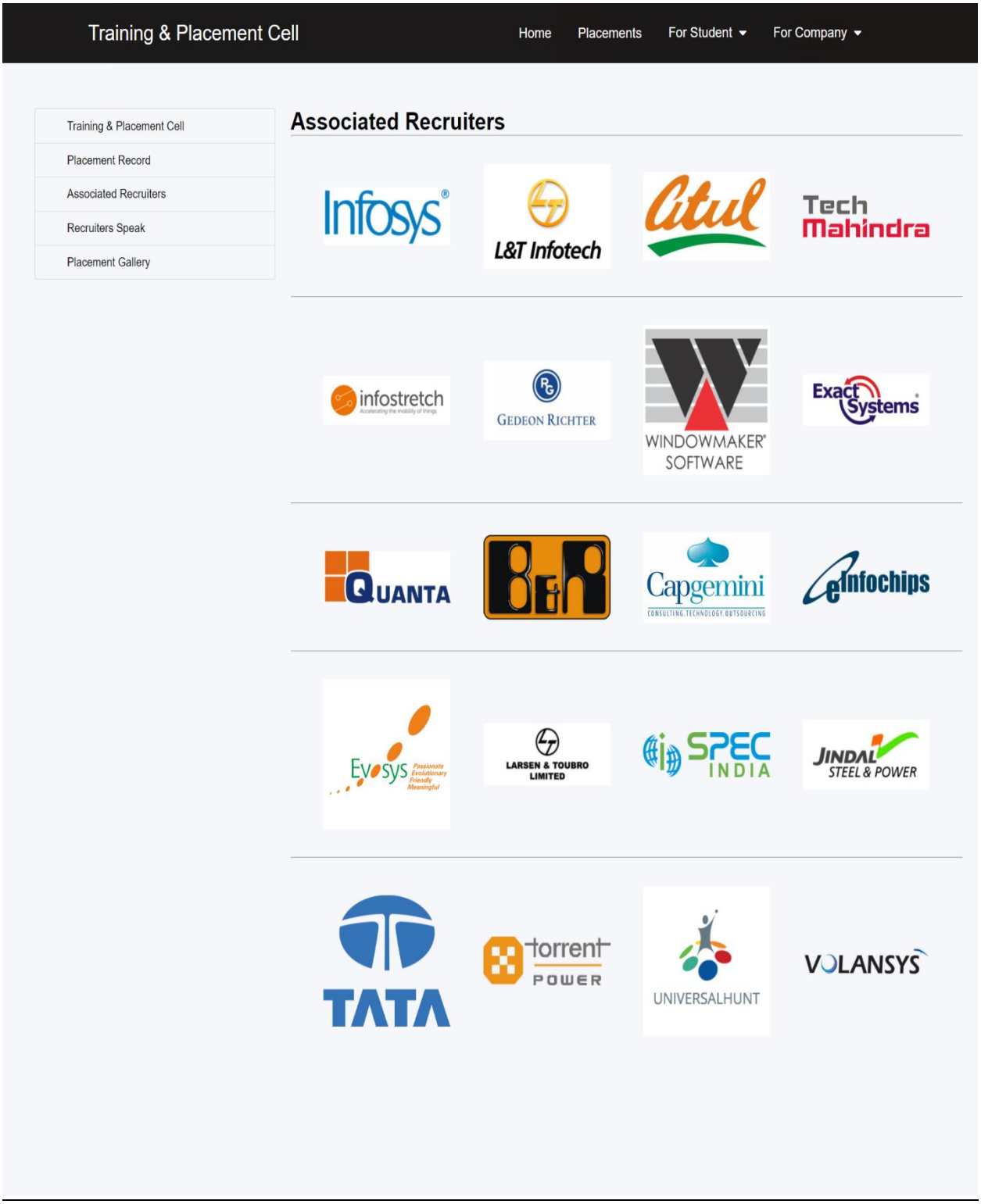
# Placement Record Page

| Placement Record | Companies Visited | Students Placed |
|---|---|---|
| Placement Record For A Y 2019 - 20 | 53 | 213 |

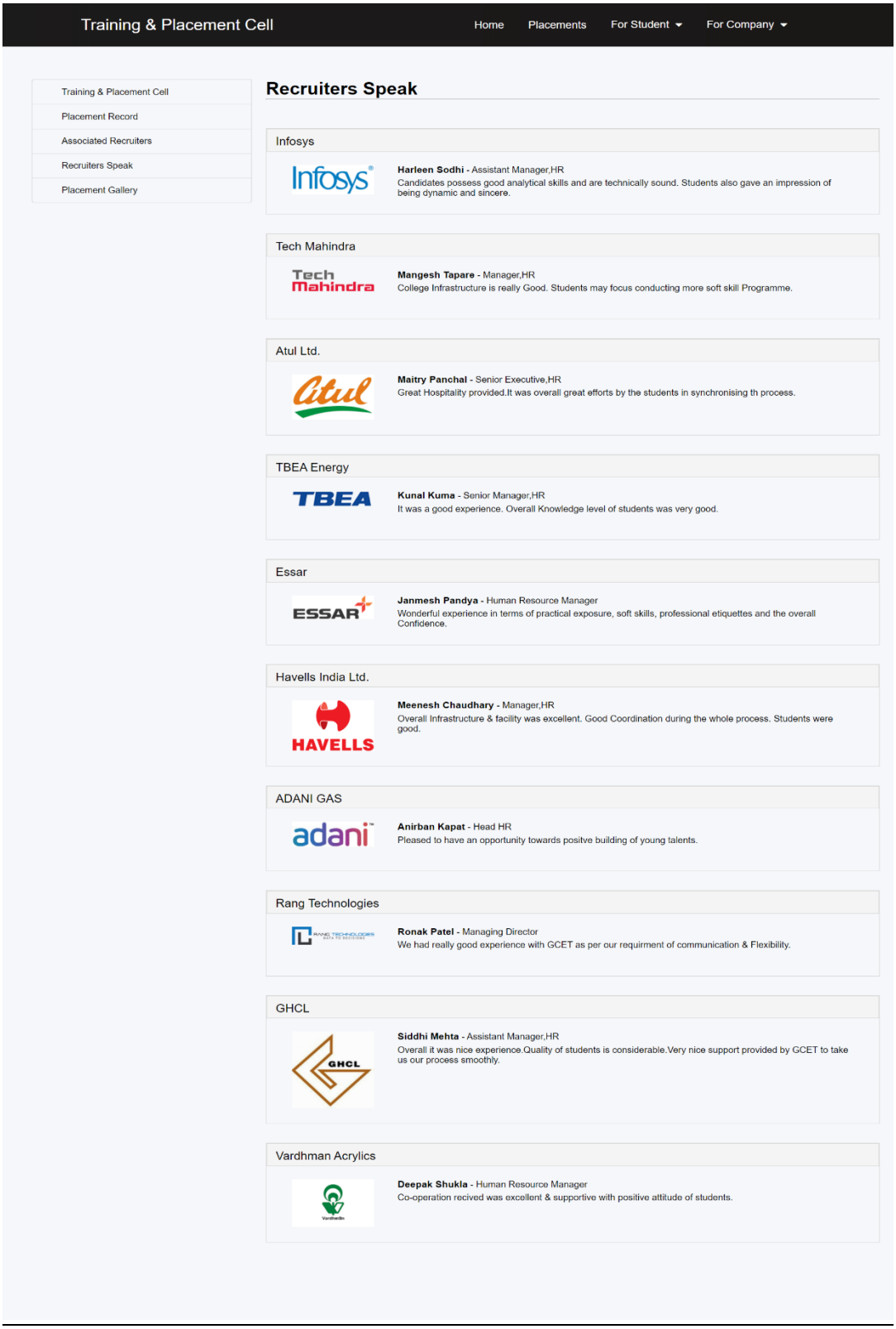
| No | Name of Industries | Package (L/A) | Total Placed |
|---|---|---|---|
| 1 | TCS Digital | 7 | 6 |
| 2 | Crest Datasystems | 4.5 - 6.5 | 28 |
| 3 | Kothari Infotech | 4.2 | 3 |
| 4 | Perfect VIP | 3.1 | 2 |
| 5 | Volansys | 3 | 3 |
| 6 | Argusoft | 4.12 - 5 | 0 |
| 7 | eInfochips | 3.6 | 9 |
| 8 | Tatvasoft | 2.28 - 3.6 | 7 |
| 9 | Meditab | 3.2 - 5 | 6 |
| 10 | Maruti Techlabs | 3.5 | 4 |
| 11 | Cybage | 4 - 4.5 | 4 |
| 12 | Webmob Tech | 1.8 - 2.4 | 1 |
| 13 | TCS Ninja | 3.3 | 35 |
| 14 | Evosys | 2.3 | 3 |
| 15 | MG Motors | 6 | 3 |
| 16 | Streebo | 2.4 - 3.4 | 1 |
| 17 | PEaaS - a Finabl company | 3 - 4 | 2 |
| 18 | AIMDek Tehnologies | 1.5 - 3 | 0 |
| 19 | Reliance Industries Ltd. | 7.5 | 1 |
| 20 | Collabera | 2.52 | 0 |
| 21 | Infostretch | 3 | 1 |
| 22 | Capgemini | 3.8 | 2 |
| 23 | JARO Education | 12 | 2 |
| 24 | Zeus Learning | 5.5 | 5 |
| 25 | Matrix Comsec | 3.5 | 0 |
| 26 | L&T Construction | 6.55 | 1 |
| 27 | Gateway Group of Companies | 4.1 - 4.6 | 0 |
| 28 | L&T Powa | 3.5 - 5 | 2 |
| 29 | Maxim Integrated | 4.5 | 4 |
| 30 | Atul Chemical | 4.2 | 6 |
| 31 | Linde | 2.5 | 1 |
| 32 | ML Veda | 5 | 3 |
| 33 | Tech Innovaters | 2.5 | 5 |
| 34 | Geocarte | 3 | 1 |
| 35 | Infinite Civil Solutions | 2.5 | 2 |
| 36 | RKC Infrabuilt | 4 | 4 |
| 37 | Torrent Power (Sabarmati) | 3.25 | 1 |
| 38 | Hidden Brains | 2.64 | 7 |
| 39 | Pressue Jet Systems | 2.7 | 5 |
| 40 | Torrent Power (Sugen) | 3.25 | 1 |
| 41 | L&T Technology Services | 2.75 | 8 |
| 42 | Viviana Power Tech. | 1.8 | 4 |
| 43 | Techno Electromech | 5.2 | 5 |
| 44 | Allen | 3.2 | 6 |
| 45 | Wesige | 5.6 | 1 |
| 46 | Shaguna Foods | 1.2 | 2 |
| 47 | Cognizant | 6.4 | 6 |
| 48 | Juspay | 1.3 | 0 |
| 49 | Tata chemicals | 1.8 | 3 |
| 50 | ERDA | 5.4 | 6 |
| 51 | Voltas - Tata enterprise | 1.5 | 1 |
| 52 | Zahn Tech Engineering | 5.2 | 1 |

| | | |
|---|---|---|
| Placement Record For A Y 2018 - 19 | 62 | 227 |
| Placement Record For A Y 2017 - 18 | 74 | 266 |
| Placement Record For A Y 2016 - 17 | 58 | 329 |
| Placement Record For A Y 2015 - 16 | 42 | 314 |
| Placement Record For A Y 2014 - 15 | 38 | 214 |
| Placement Record For A Y 2013 - 14 | 35 | 219 |

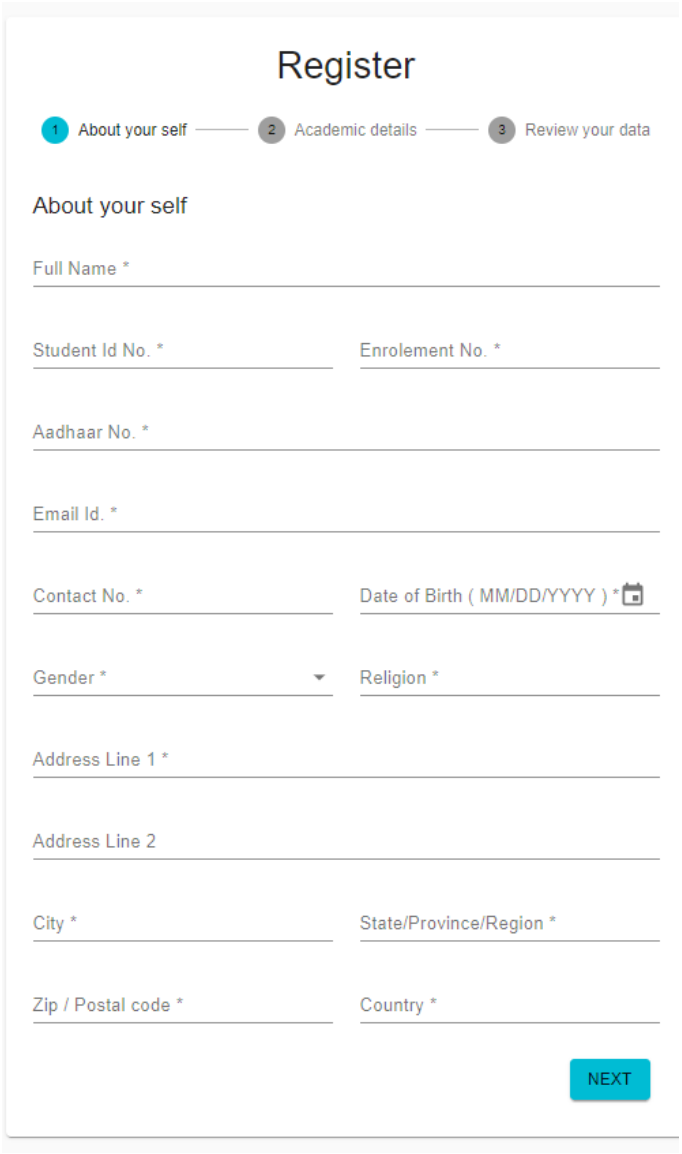
# Associated Recruiters Page

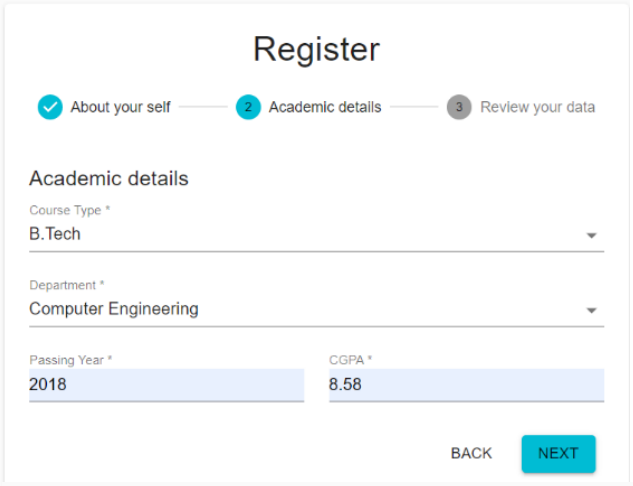


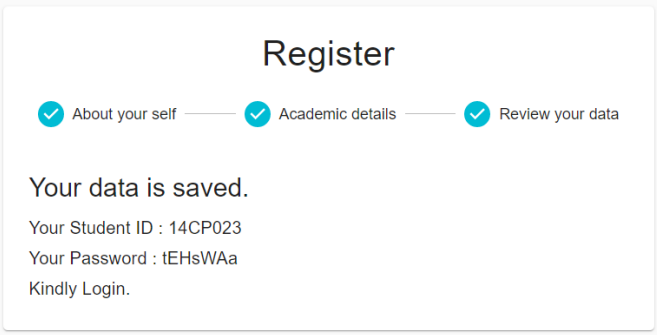
# Recruiters Speak Page



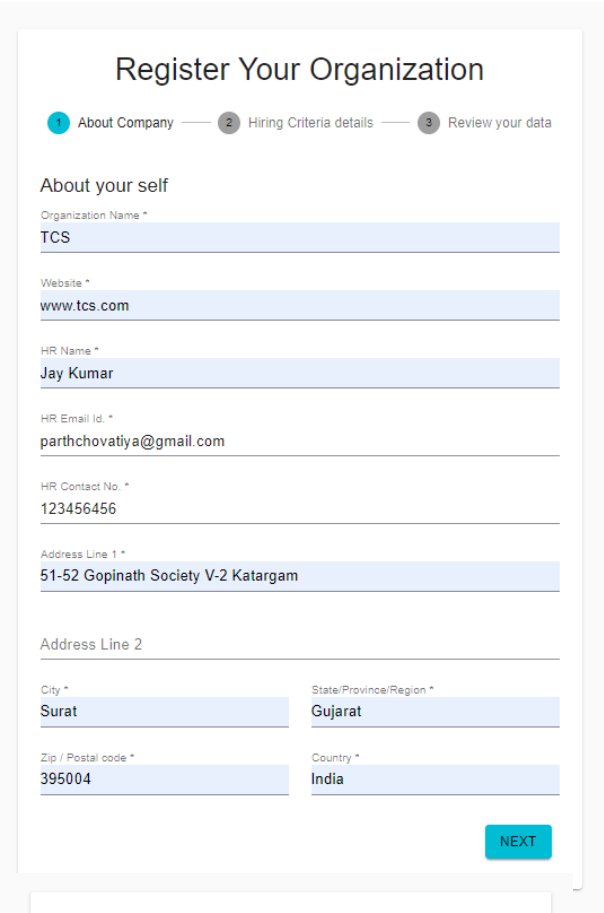
# Student Register Form

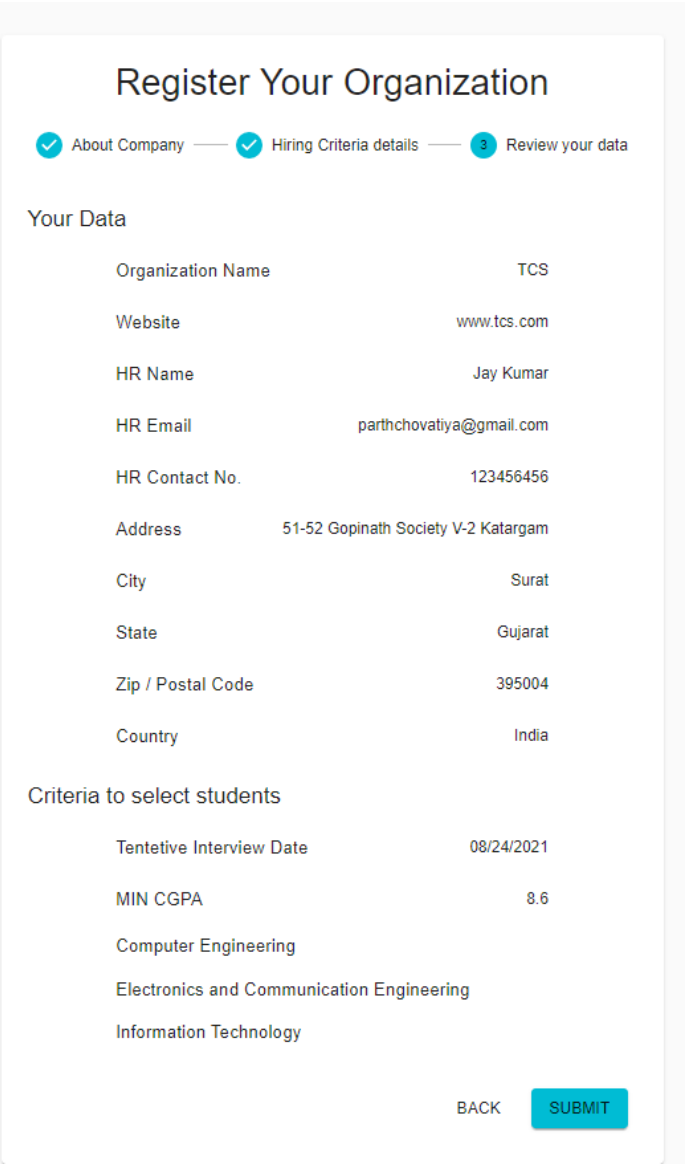


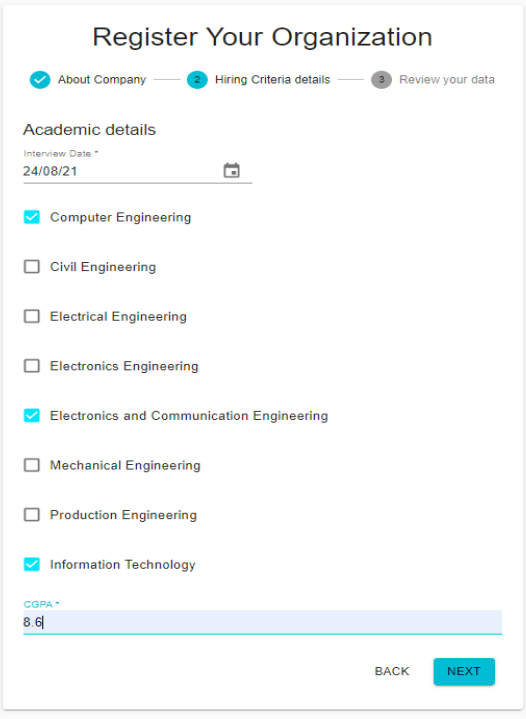



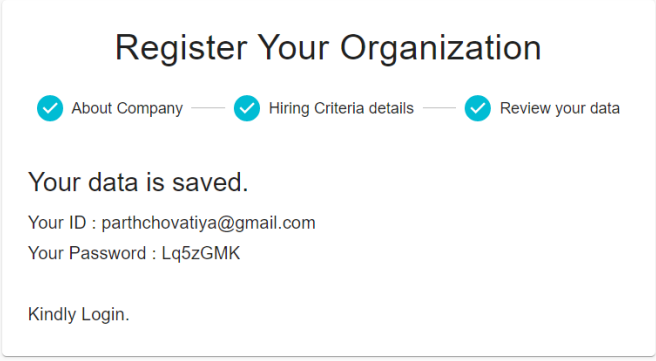


# Company Register Page

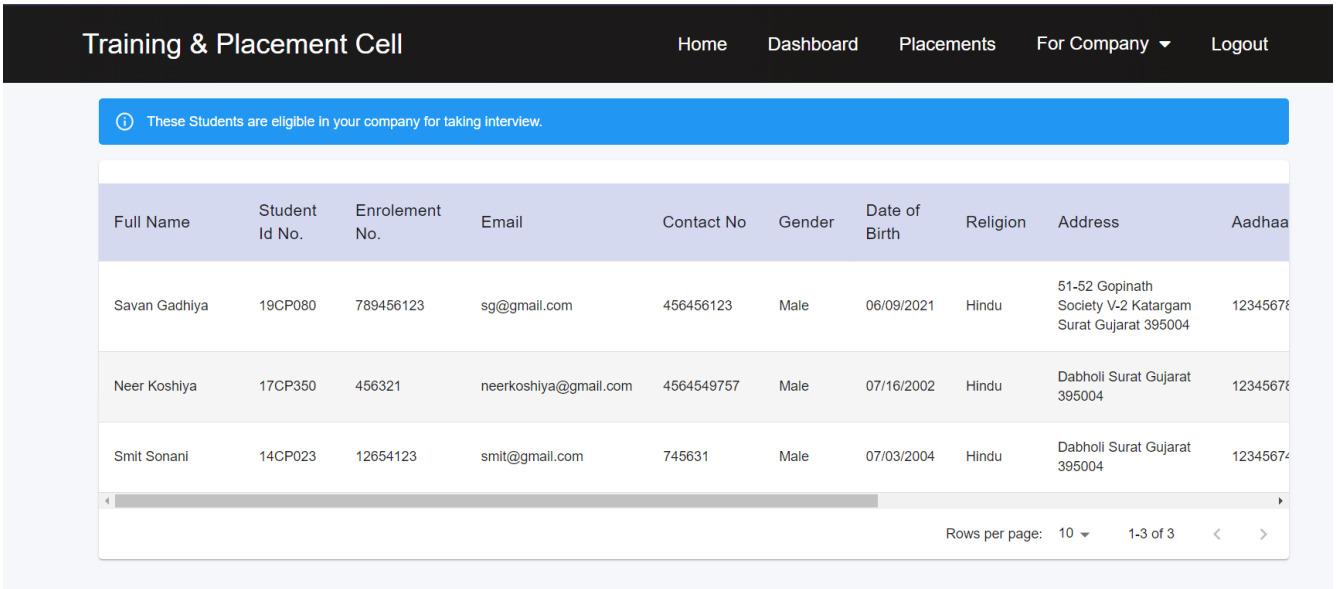


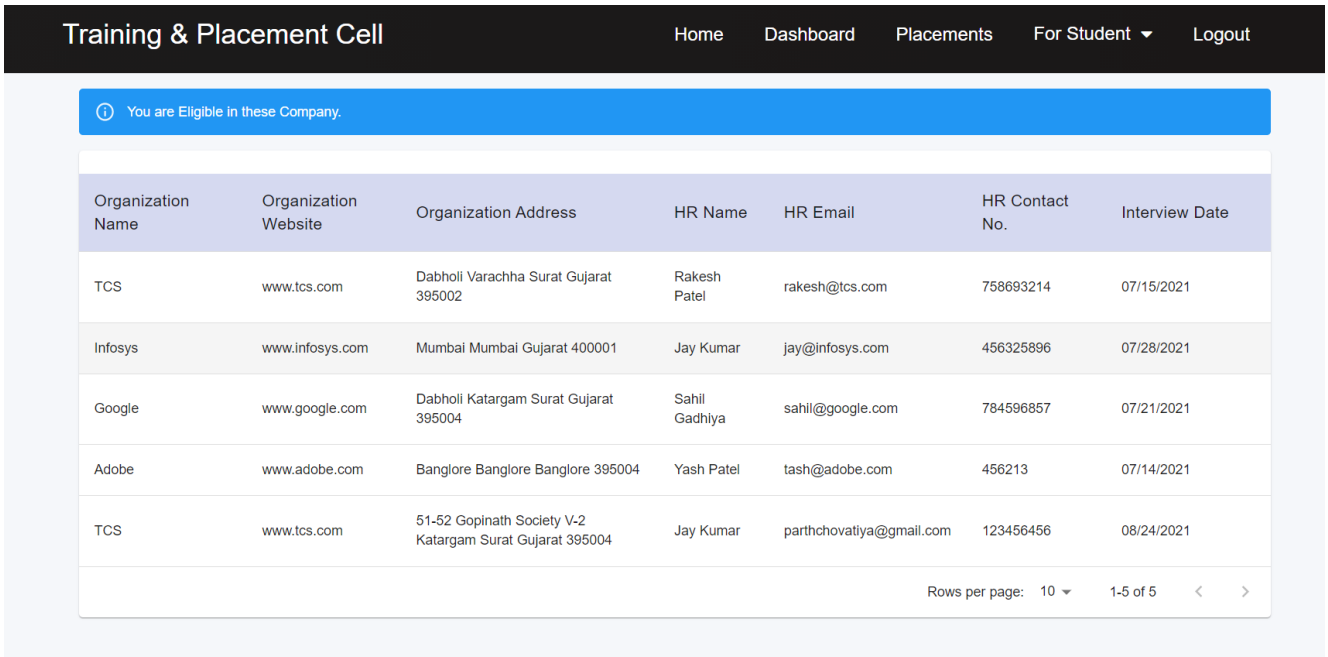



# Company Dashboard Page




# Student Dashboard Page



# Thank You