

IITG PLACEMENT PORTAL

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Submitted By

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1. Introduction and Overview

The Placement Portal is a comprehensive web-based system designed to streamline the campus recruitment process. It serves as a unified platform for companies and students, facilitating all stages of the recruitment process. The portal enables companies to post job opportunities, manage applications, and evaluate candidates, while students can apply for jobs, track their applications, and participate in the recruitment process seamlessly.

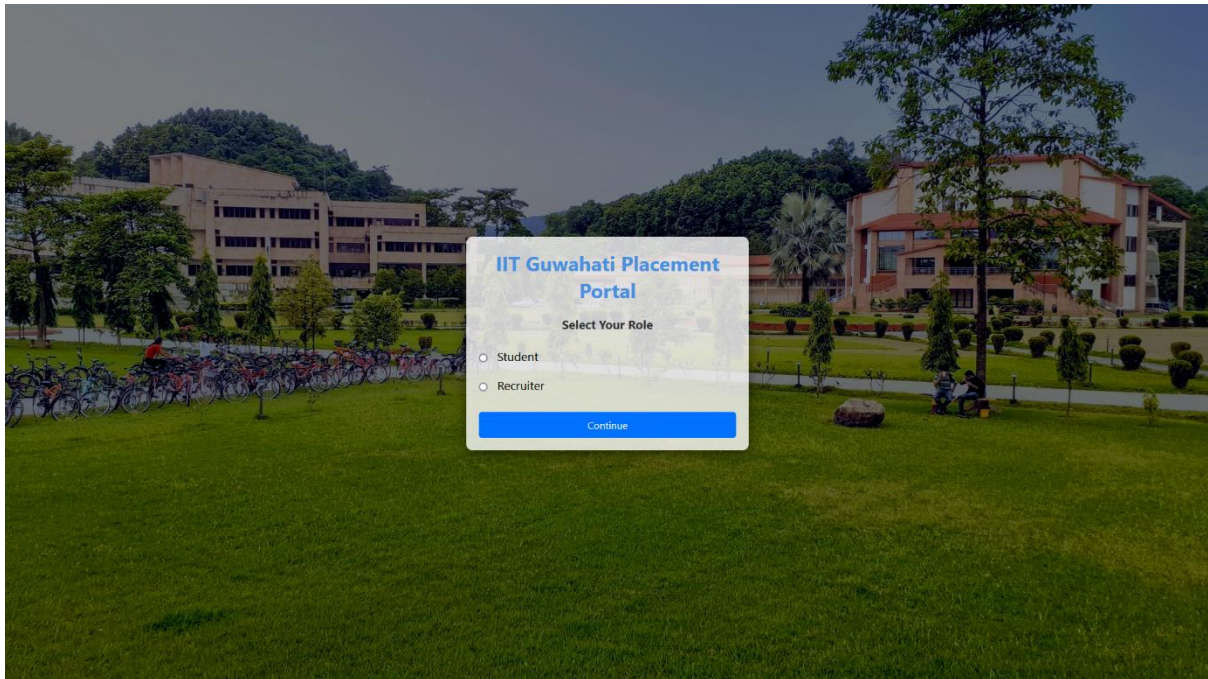
Key features include:

1. Student Interface,
2. Company Interface,
3. Job Application and Posting
4. Test and Evaluation
5. Shortlisting and Selection

2. Functionality

2.1 Index Page

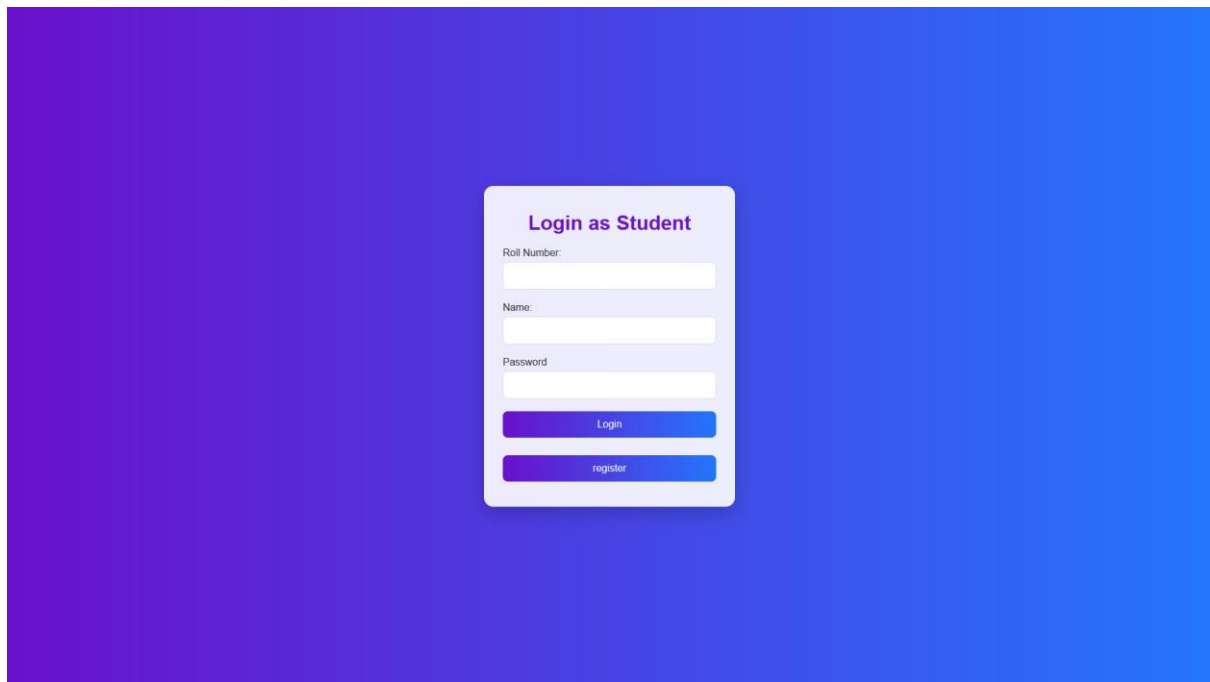
This is the first page of the portal which lets one to select between student and recruiter and this further takes us to the individual login interfaces.



2.1.1 Student Login page

It lets you login to your account by putting credentials namely Roll No., Name, and Password.

In case if someone enters first time and has no previous registration then at the login page, user has an option of registering.



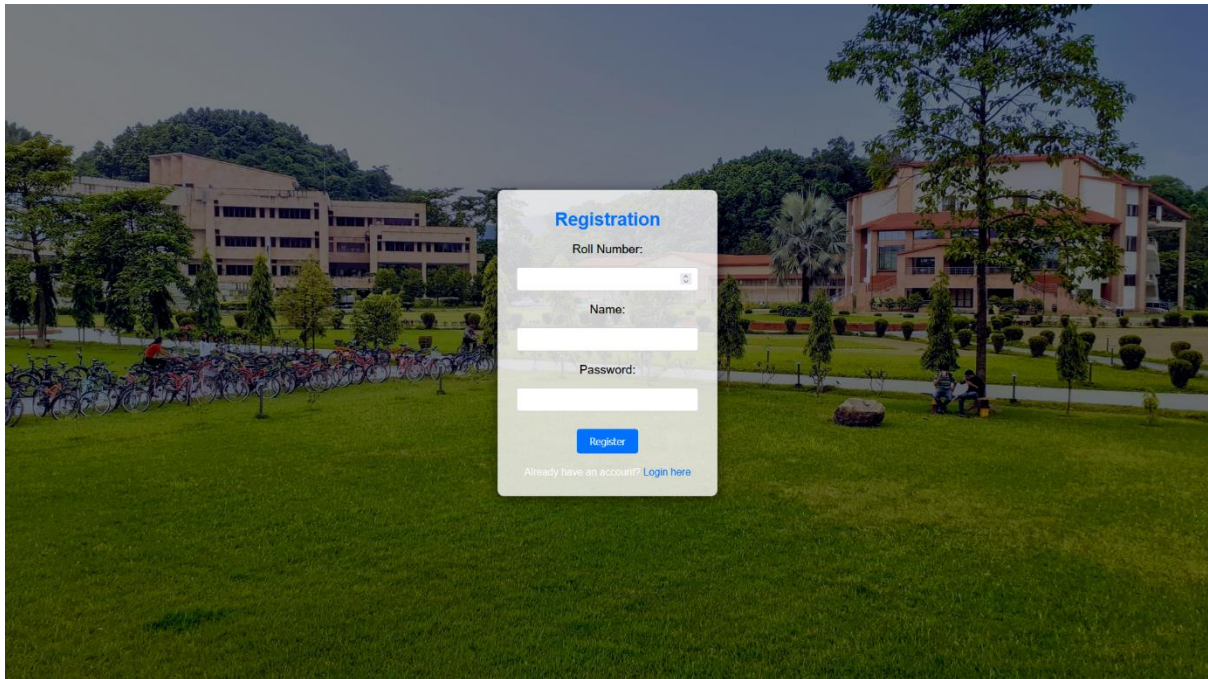
2.1.2 Student Registration Page

User Registration

On the registration page, user has to enter details namely Roll Number, Name, Password. Now user is directed to login page.

User Details

After first time login user has to fill placement related details only once and no further modification is allowed. Details include CPI, Backlogs, Branch, Course and Department.

A "Student Placement Details" form is displayed on a solid blue background. The form is titled "Student Placement Details" in blue. It contains several input fields and dropdown menus: "Roll Number:" (text input), "Name:" (text input), "CPI:" (text input), "Backlogs:" (dropdown menu with "Select" as the current option), "Branch:" (dropdown menu with "Select your branch" as the current option), "Degree:" (dropdown menu with "Select your degree" as the current option), and "Department:" (dropdown menu with "Select your department" as the current option). Below these fields is a blue "Submit" button.

2.1.3 Student Profile

Once registered Students can see list of Eligible Companies with the Job details like Company Name, Position, Job Description and Salary.

At the left side of page, we have navigation bar contains options of applying for companies, seeing previous applications, Upcoming test, List of all Companies and contact info of Placement Coordinators.

2.1.4 Jobs Application Page

This page enlists all eligible companies along with a link to apply for individual companies. As one clicks on the link the student application gets done and the details get stored corresponding to the particular job.

Navigation

- Apply for Companies
- List of All Companies
- My Applications
- Upcoming Tests
- Placement Coordinators
- Logout

List of Eligible Companies

Student Roll: 232101111
Student Name: Bikram

CompanyID	CompanyName	Position	JobID	JobDescription	Salary	MinCPI	Action
12	axtria	Data Analyst	1	looking for an analytical expert	1400000	6.5	Already Applied
23	Google	Software Engineer	2	looking for efficient coder	4500000	5.5	Apply
77	ICICI Bank	Management Trainee	3	An IITIAN MSC wallah required	1650000	0	Apply
14	Accordion	Senior Data Scientis	4	Mscian only needed	4500000	4.5	Apply
10	BNY Mellon	Quantitative Analyst	5	Someone intelligent with numbers	2000000	7	Apply
89	Goldman Sachs	Machine Learning Eng	7	Someone having strong grasp in generative ai technology	3500000	6	Apply
5	Tescra	Software Engineer	10	Expert in DSA	1000000	0	Apply
13	Morgan Stanley	Statistical Engineer	12	Someone intelligent with numbers	3000000	6.5	Apply
10	BNY Mellon	Risk Analyst	13	someone good with numbers	1200000	7	Apply
100	Axis Bank	Trade Economist	17	minimal requirements	300000	7.5	Apply
13	Morgan Stanley	Data Scientist	93	Someone well versed with deep learning models	1200000	6.5	Already Applied

2.1.5 List of All Companies

This Page consists a list of all companies which visit the campus regardless of the student's eligibility Criteria.

Navigation

- Apply for Companies
- List of All Companies
- My Applications
- Upcoming Tests
- Placement Coordinators
- Logout


List of All Companies

Student Roll: 232101111
Student Name: Bikram

CompanyID	CompanyName	Position	JobID	JobDescription	Salary	MinCPI
12	axtria	Data Analyst	1	looking for an analytical expert	1400000	6.5
23	Google	Software Engineer	2	looking for efficient coder	4500000	5.5
77	ICICI Bank	Management Trainee	3	An IITIAN MSC wallah required	1650000	0
14	Accordion	Senior Data Scientis	4	Mscian only needed	4500000	4.5
10	BNY Mellon	Quantitative Analyst	5	Someone intelligent with numbers	2000000	7
89	Goldman Sachs	Machine Learning Eng	7	Someone having strong grasp in generative ai technology	3500000	6
5	Tescra	Software Engineer	10	Expert in DSA	1000000	0
13	Morgan Stanley	Statistical Engineer	12	Someone intelligent with numbers	3000000	6.5
10	BNY Mellon	Risk Analyst	13	someone good with numbers	1200000	7
100	Axis Bank	Trade Economist	17	minimal requirements	300000	7.5
13	Morgan Stanley	Data Scientist	93	Someone well versed with deep learning models	1200000	6.5

2.1.6 My Application

This page shows all the job that the user has previously applied for and it also shows the status of the particular application if it has been shortlisted or there is no update.



CompanyID	JobID	CompanyName	Position	Salary	Status
10	13	BNY Mellon	Risk Analyst	1200000	Not Shortlisted
12	1	axtria	Data Analyst	1400000	Not Shortlisted
13	93	Morgan Stanley	Data Scientist	1200000	Not Shortlisted
23	2	Google	Software Engineer	4500000	Not Shortlisted

2.1.7 Upcoming Tests

This Page shows details of upcoming tests of applied companies as scheduled by the recruiters. It has a test link to all particular tests and the test link becomes active prior to the examination and this takes student to the test interface.

The test portal opens on clicking the test link and once the test is over student details and auto evaluated test scores are shared to the recruiter.

Navigation

Apply for Companies

List of All Companies

My Applications

Upcoming Tests

Placement Coordinators

Logout

Upcoming Tests

Student Roll: 232101111
Student Name: Ekram

Job ID	CompanyID	Position	Date	Duration (minutes)	Type	Mode	Status
13	10	Risk Analyst	2024-11-23	60	Aptitude	Online	Attempt Test
93	13	Data Scientist	2024-11-23	40	Aptitude	Online	Attempt Test

2.1.8 Placement Coordinator Info

The user able to see details of all the placement coordinators who supervised the entire process. Their emails and contact number is given in case the user needs any help.

Navigation

Apply for Companies

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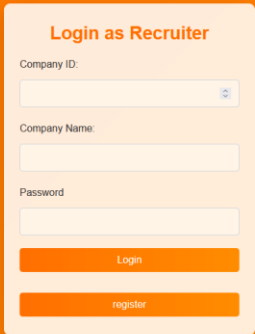
Placement Coordinators

PC ID	Role	Roll	Phone	Name
1	Data Science	232123011	9897563412	Sneha Thakur
2	Software	232123023	7430069269	Neeraj Yadav
3	Finance	232123012	9339304509	Prathamesh Pa til

2.2.1 Recruiter Login Page

It lets you login to your account by putting credentials namely Company ID, Company Name, and Password.

In case if someone enters first time and has no previous registration then at the login page, user has an option of registering.

A screenshot of a login form titled "Login as Recruiter" centered on an orange background. The form is white with a thin orange border. It contains three input fields: "Company ID:" with a small blue eye icon for toggling visibility, "Company Name:", and "Password:". Below the input fields are two orange buttons: "Login" and "register".

2.2.2 Recruiters Registration Page

On the registration page, recruiter has to enter details namely Company ID, Company Name, and set a Password. Now recruiter is directed to the login page.

2.2.3 Recruiter Profile

This page shows list of all jobs that has been offered by the company. The page has navigation bar which includes option to recruit for more roles, Schedule test/ interviews, and View Results.

Jobs Offered by Morgan Stanley

JobID	Position	Job Description	Salary	Min CPI
12	Statistical Engineer	Someone intelligent with numbers	3000000	6.5
93	Data Scientist	Someone well versed with deep learning models	1200000	6.5

Recruit for more roles

Schedule Tests/Interviews

View test results

Logout

2.2.4 Job Recruitment Page

This page floats a form asking details such as Position, Job Description, Salary, Backlog and CPI eligibility. On submitting the form the job is visible to the student for application.

Job Recruitment Form

Job ID:

Company ID:

Company Name:

Position:

Job Description:

Salary:

Allow Backlogs:

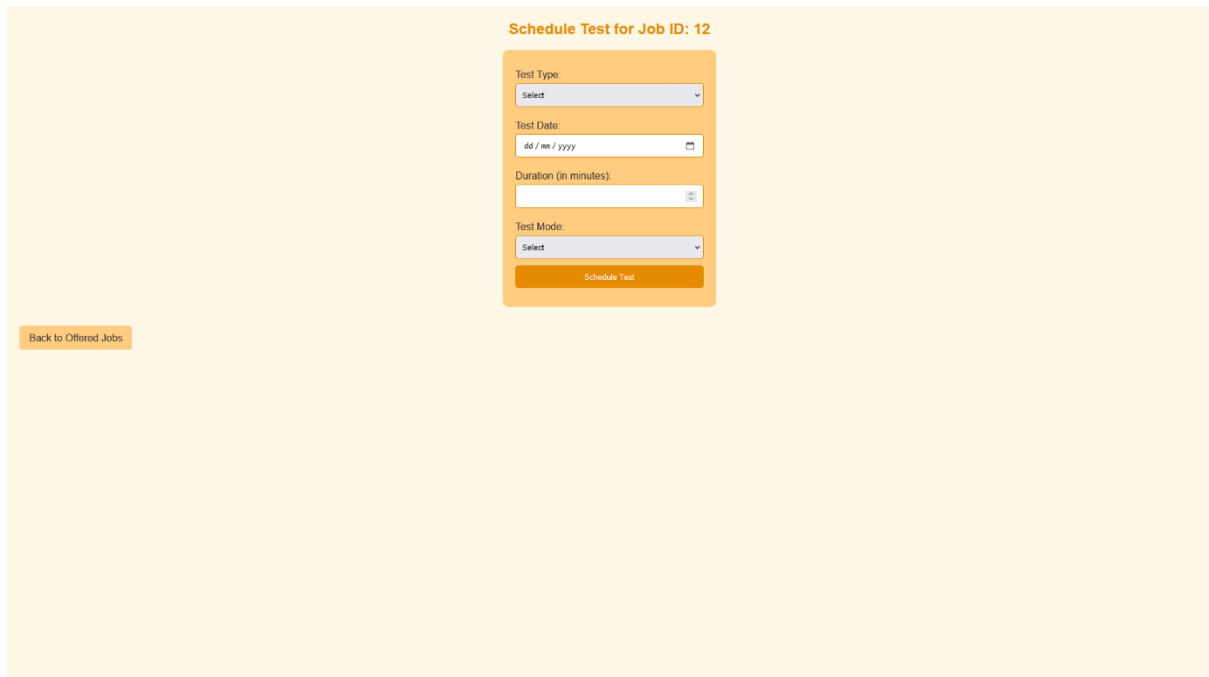
Select

Minimum CPI:

Submit Job Offer

2.2.5 Schedule Tests / Interview

Here recruiter is able to schedule timing and type of the test for the jobs they have offered. It includes Test Type, Test Date, Duration and Mode.



The screenshot shows a web interface for scheduling a test. The background is a light orange color. In the center, there is a white rectangular box with an orange border. At the top of this box, the text "Schedule Test for Job ID: 12" is displayed in orange. Below this, the form contains the following fields: "Test Type:" with a dropdown menu showing "Select"; "Test Date:" with a text input field showing "dd / mm / yyyy" and a calendar icon; "Duration (in minutes):" with a text input field and a spinner icon; and "Test Mode:" with a dropdown menu showing "Select". At the bottom of the form box is an orange button labeled "Schedule Test". To the left of the form box, there is a small orange button labeled "Back to Offered Jobs".

2.2.6 Test Results

This page has list of all schedule test and for each test we have the option for viewing the test results and once the test is complete recruiter can set the cut off for shortlisting or selecting student.

Test Results for Job ID: 12 (Test Type: Aptitude)

Roll Number	Name	Branch	CPI	Degree	Score
232123017	suman ghosh	MNC	7.8	M.Sc	2
232123018	nutan singh	CSE	8.5	M.Tech	3

[← Back to Test List](#)

3. Database And Tables

For this project we are using our database named PlacementData which has the following associated tables:

3.1. Student_login

This table stores student login information.

- RollNo – Integer type and primary key
- Name – varchar (30)
- Password – Varchar (255) and stored in a hashed format

3.2 Students

This table stores the student academic and personal details

- Roll – Integer Primary key
- Name – Varchar (30)
- CPI – Double
- Backlogs – Enum (yes / no)
- Branch – Varchar (20)
- Degree – Varchar (10)
- Department – Varchar (20)

3.3 Company_login

This table stored company login information

- CompanyId – Integer Primary key
- Company Name – Varchar (30)
- Password – Varchar (255) and stored in a hashed format

3.4 Jobs

This table stores details of the job offered by various companies

- JobID – Integer
- CompanyId – Integer (foreign key referring Company_login)
- CompanyName – Varchar (30)

- JobDescription – Varchar(100)
- Salary – Integer
- MinCPI – Double
- Backlog Allowed – enum(yes/no)

In this table (JobId, CompanyId) is the primary key

3.5 Apply

This table is the relation table between students and jobs.

- Roll – Integer
- JobID- Integer
- CompanyID – Integer
- CompanyName – Varchar(20)

In this table (Roll, JobID, CompanyID) is the primary key.

Roll, JobID and CompanyID are foreign keys referring to the Students, Jobs and Company_login respectively.

3.6 Test

This table has information of tests that have been scheduled

- JobId – Integer
- CompanyId – Integer
- Type – Enum (aptitude / Interview)
- Date
- Mode – Enum(online/offline)
- Duration- Integer

In this table (JobId, CompanyId) is the primary key.

JobId , CompanyId are foreign keys referring to Jobs and Company_login respectively.

3.7 Test Performance

This table contains scores of students in tests for particular jobs

- JobId – Integer
- CompanyId – Integer
- RollNo – Integer
- Score – Integer
- Type – enum(apitude / interview)

In this table (JobId, CompanyId, RollNo, Type) is primary key.

JobId, CompanyId, RollNo are foreign key referring to jobs,Company_login, students respectively.

3.8 Shortlist

Stores details of shortlisted candidate

- RollNo – Integer
- CompanyId – Integer
- JobId – Integer

In this table (RollNo, Companyid, JobId) is primary key.

Foreign key referring is same as the previous.

3.9 Selections

Stores details of selected candidate

- RollNo – Integer
- CompanyId – Integer
- JobId – Integer

In this table (RollNo, Companyid, JobId) is primary key.

Foreign key referring is same as the previous.

