# Trainee Selection System

Md. Rahat Ibna Hossain ID:30070



#### **Project Summary**

Trainee Selection System (TSS) is a web-based application developed for BJIT Academy to manage the selection process of software engineer trainees. It allows applicants to register, apply for circulars, and go through the selection process. Admins can approve applicants, generate admit cards, track exam participants upload marks, and send emails to applicants.



#### **Feature List**



#### Registration

Applicants should be able to register



#### **Apply Course**

Applicants should be able to apply to a course



#### **Approve Applicants**

Admin should be able to approve applicants



#### **Admit Card**

System should generate admit card



#### Hidden Code

System will generate hidden code for copies



#### **Upload Marks**

Evaluator and admin should be able to upload marks



#### **Mailing System**

There should be an internal mailing service



#### Dashboard

In the dashboard applicant will see status



#### **Finalize Trainees**

Admin should be able to finalize trainees

# Technologies/Tools

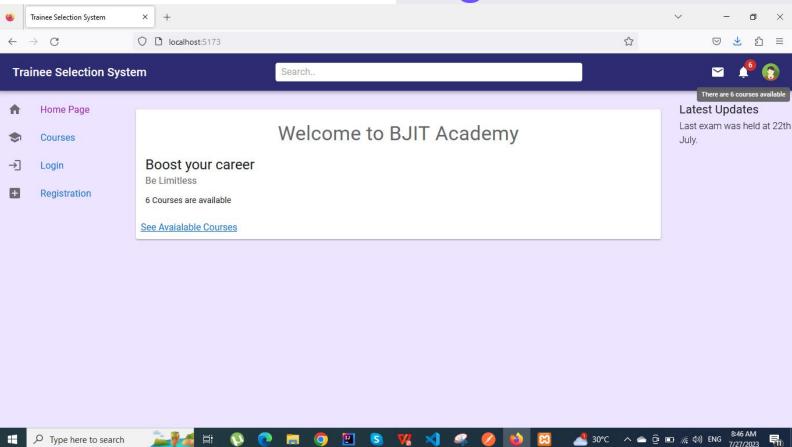
#### Back end

- Java
- Spring Boot
- MySQL for database
- Gmail smtp
- Apache Tomcat as the web server

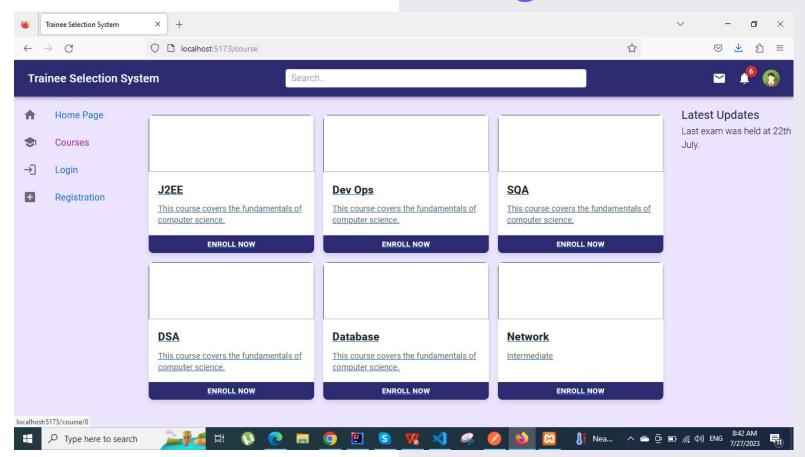
#### Front end

- HTML
- CSS
- JavaScript
- React
- MUI
- BootStrap

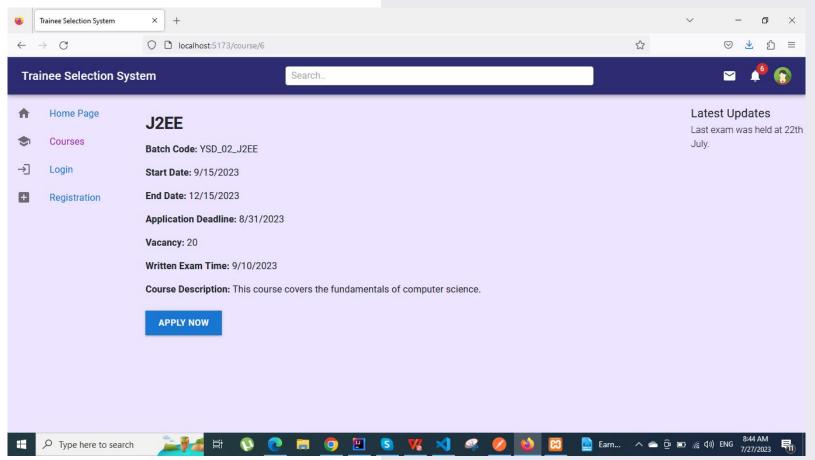
#### Home Page



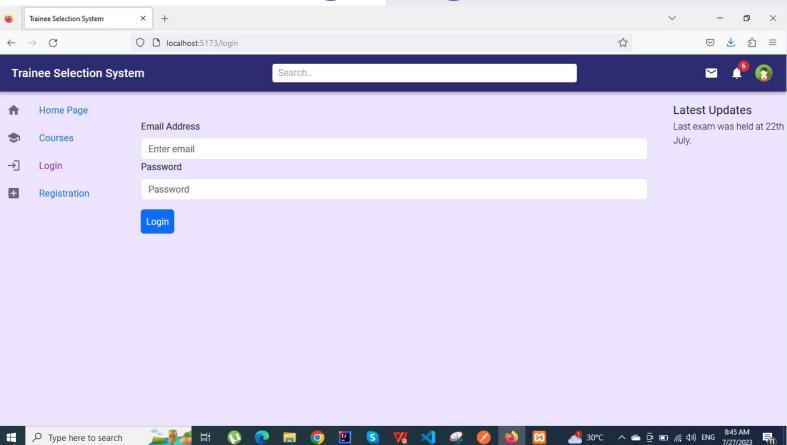
#### Course List Page

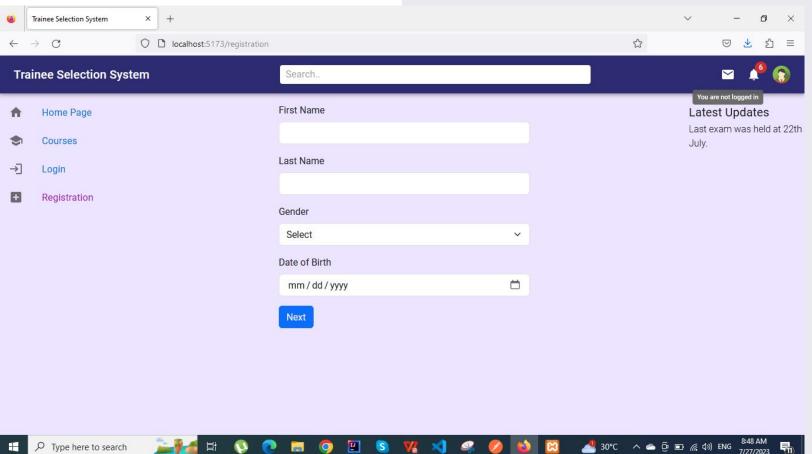


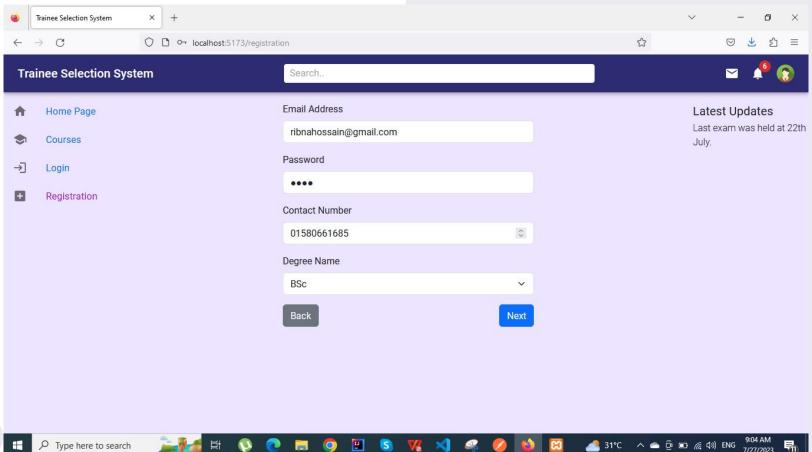
# Single Course Page

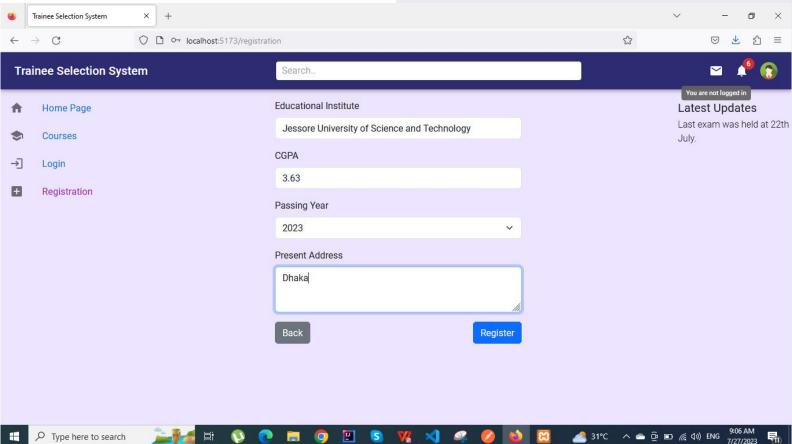


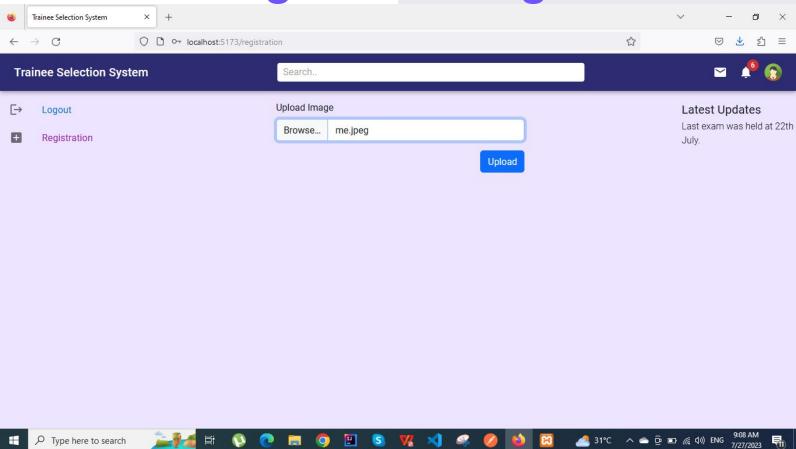
## Login Page

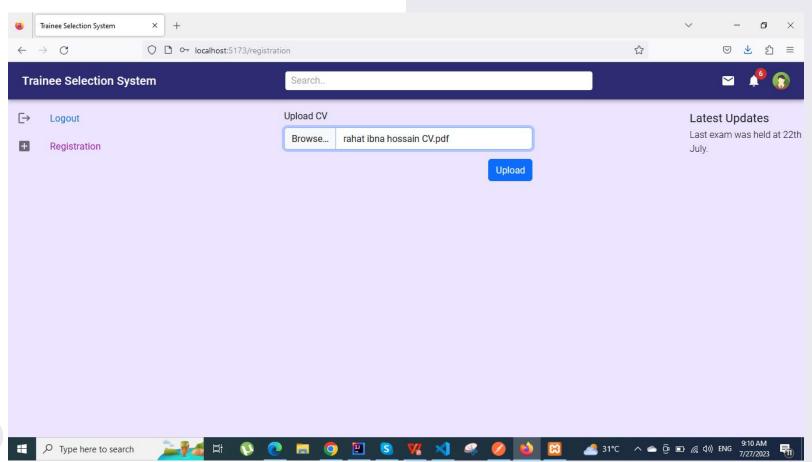


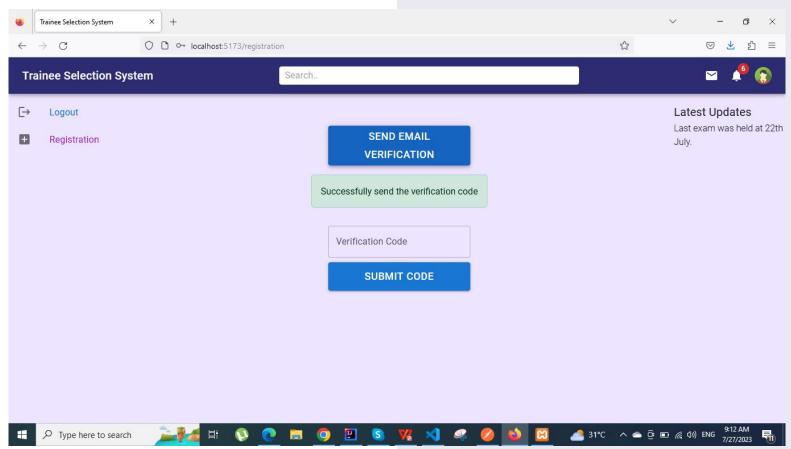


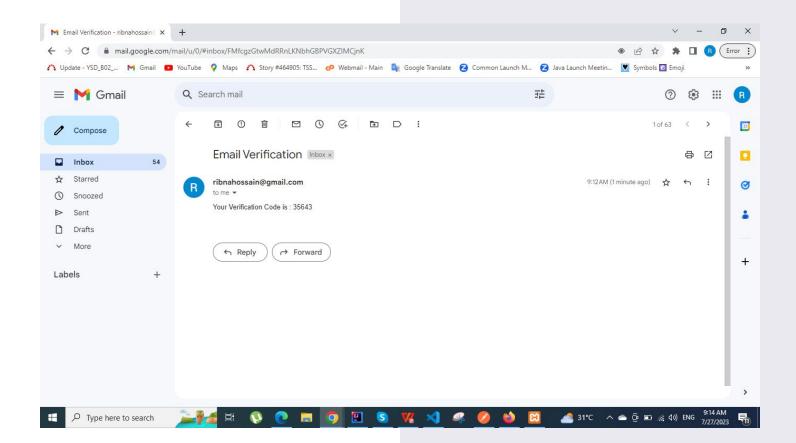




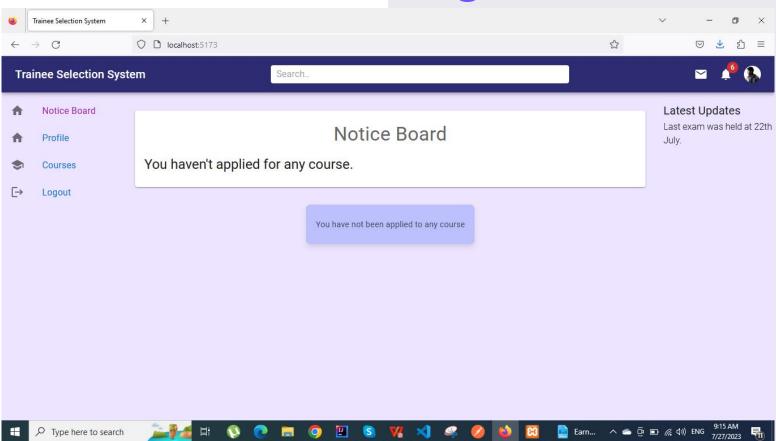




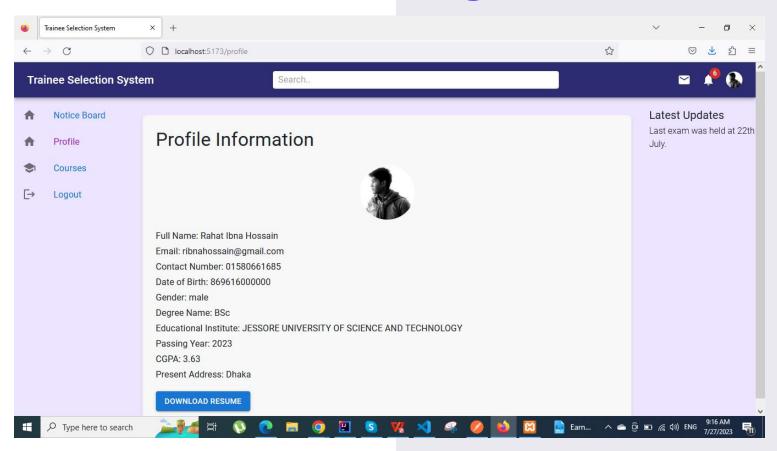




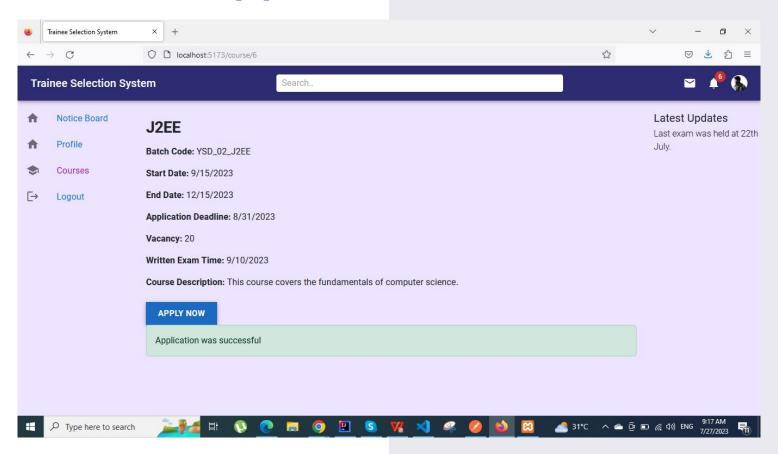
# **Notice Page**



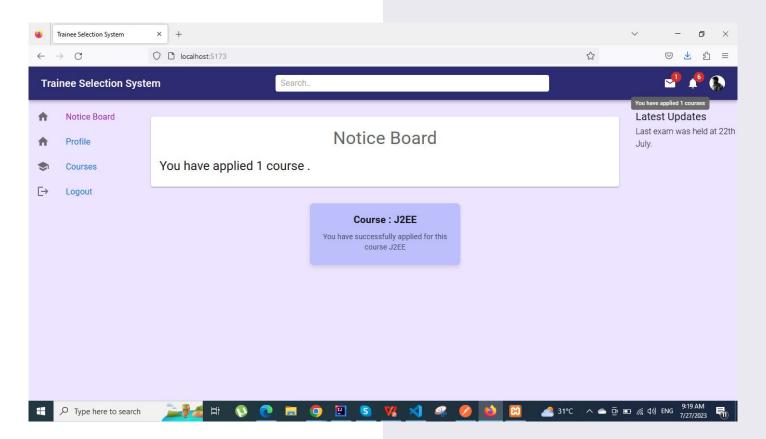
# **Profile Page**



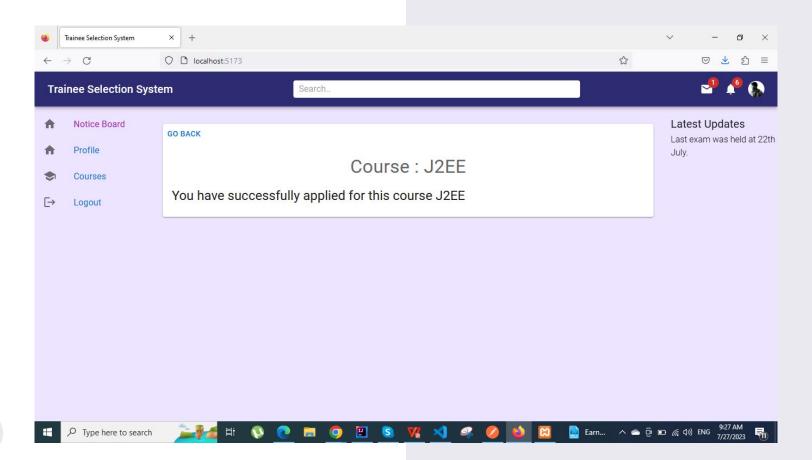
# **Application Done**



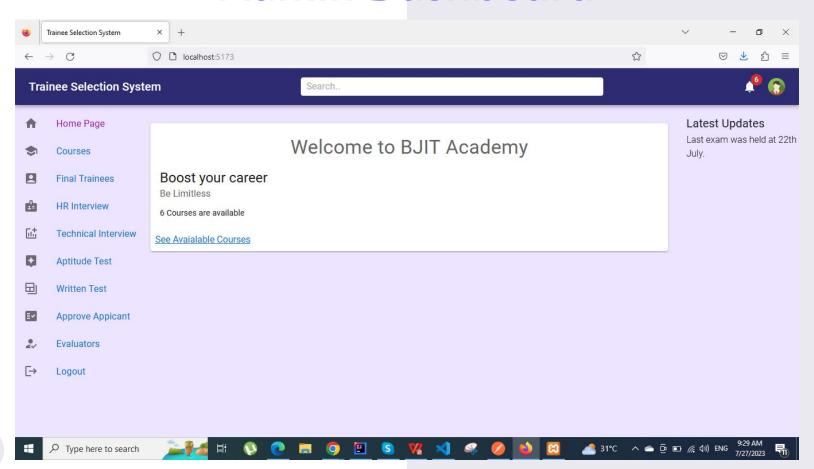
# **Notice Board After Application**



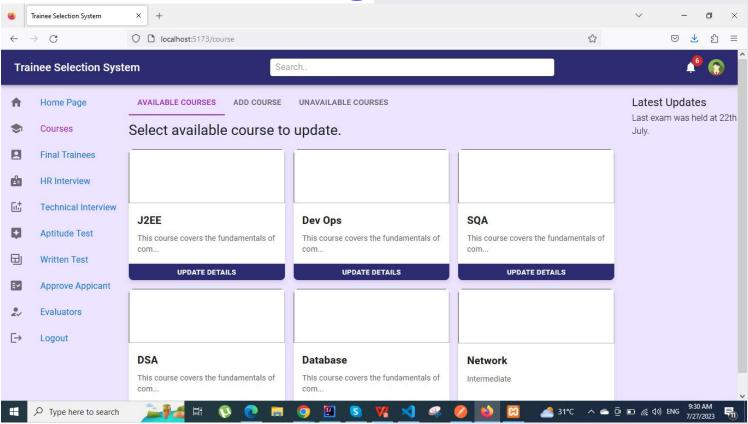
#### **Notice Board**



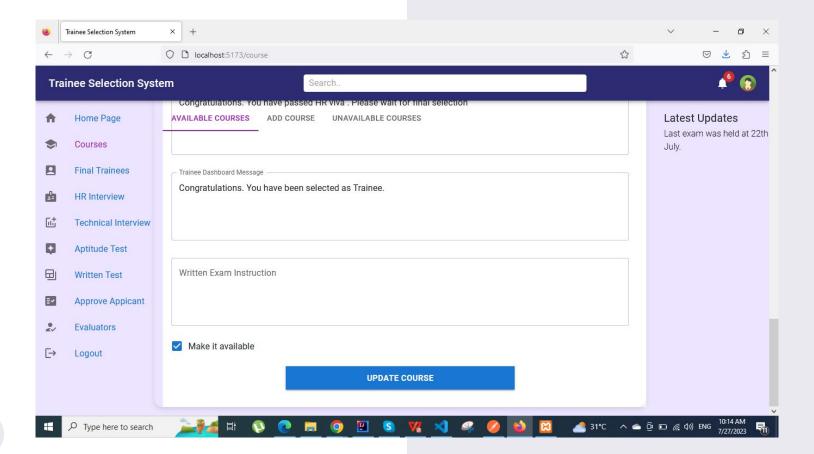
#### **Admin Dashboard**



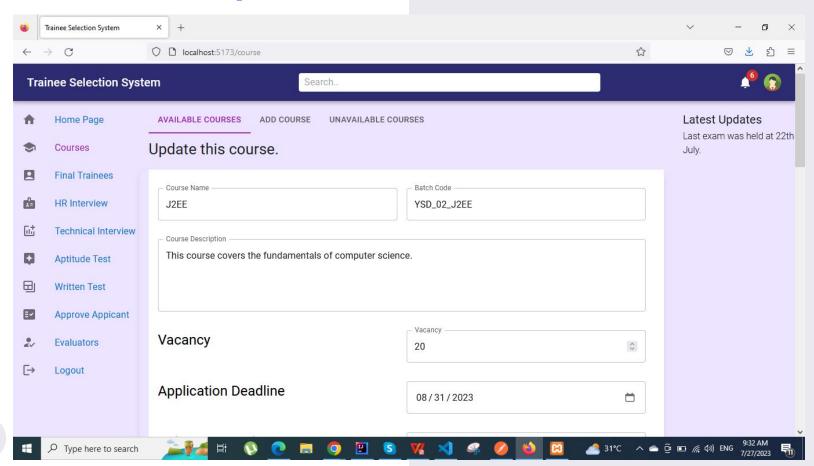
### Course Page for Admin



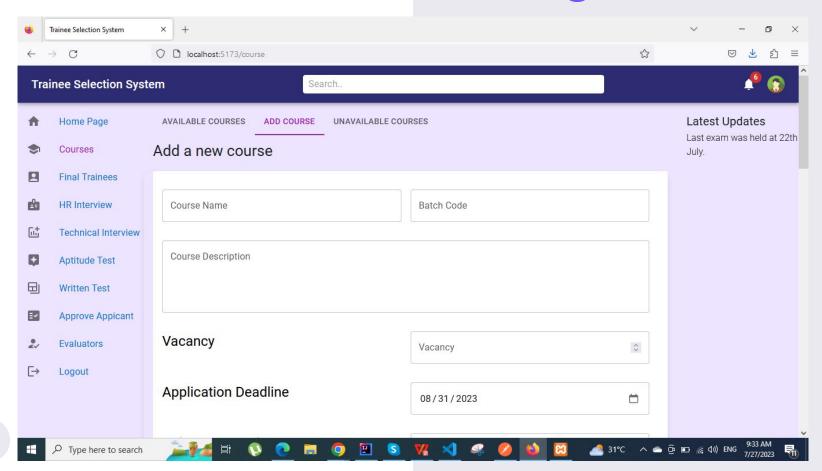
#### Make a Course Unavailable



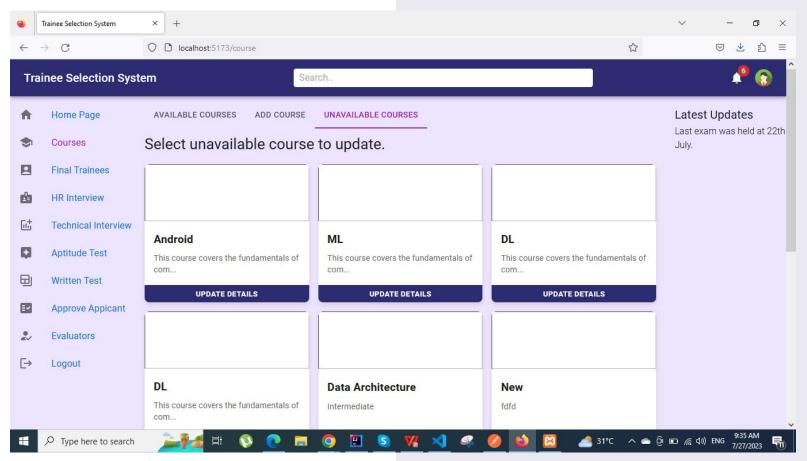
# **Update Course Page**



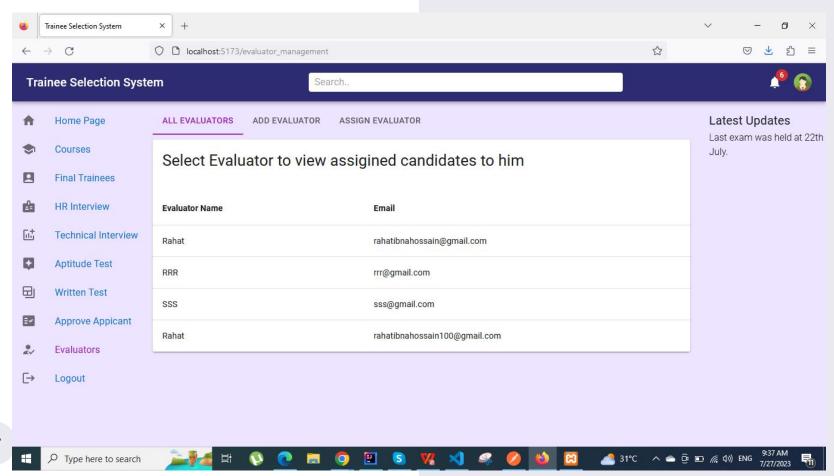
#### **Create Course Page**



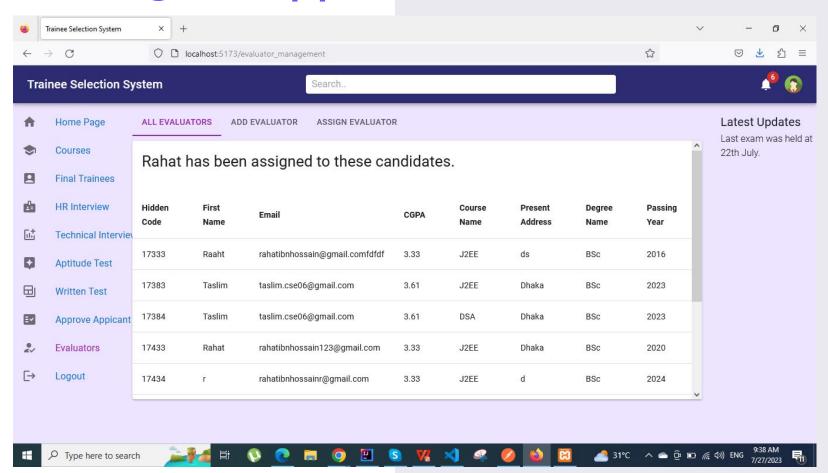
#### **Unavailable Courses**



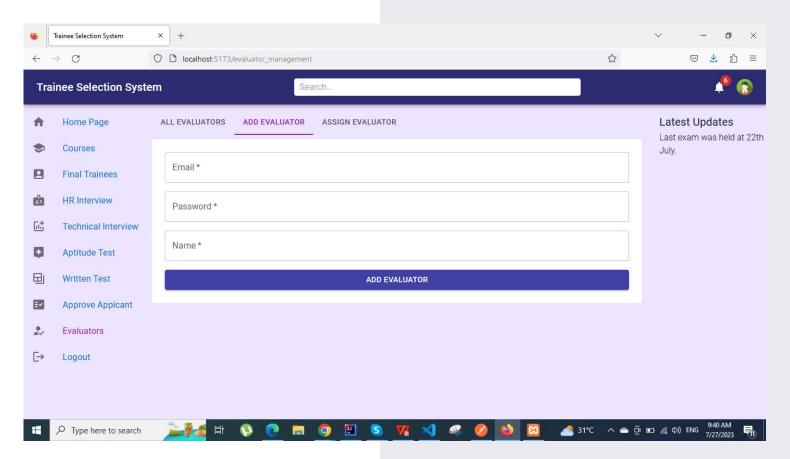
#### All Evaluators



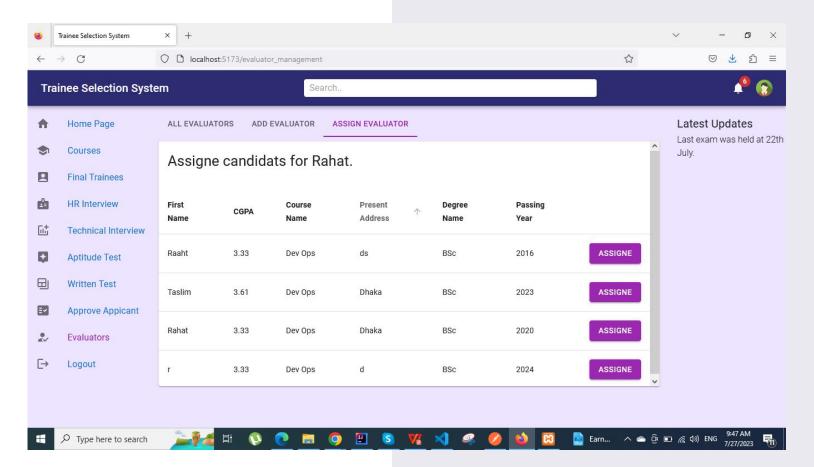
# **Assigned Applicants for Evaluator**



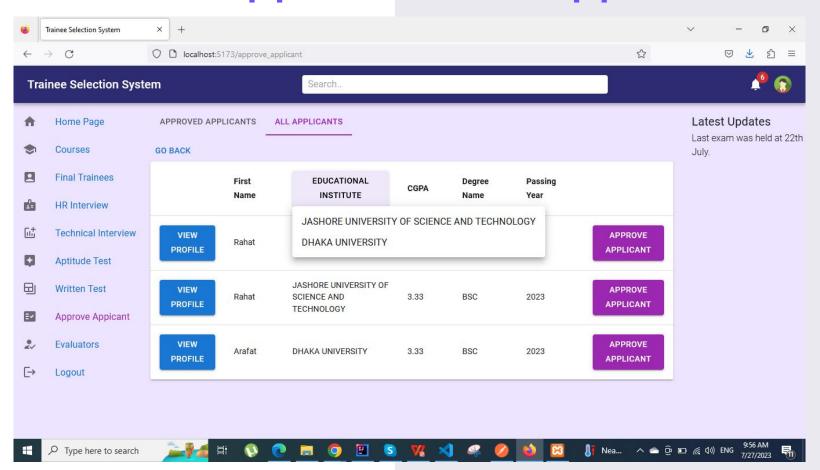
#### Add Evaluator



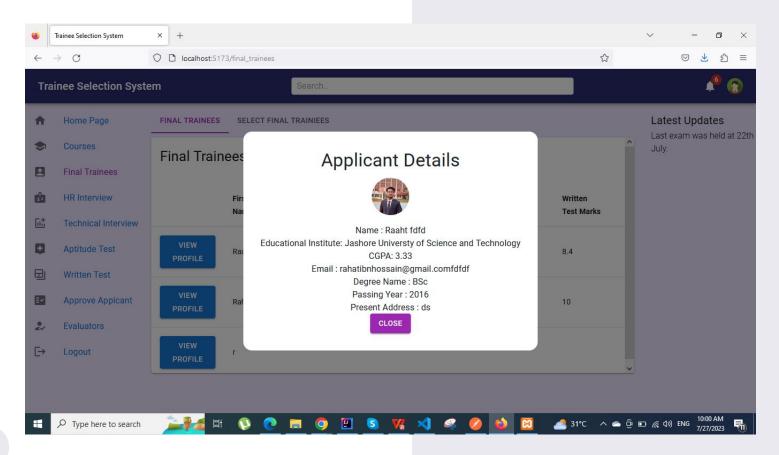
#### Assign to Evaluator



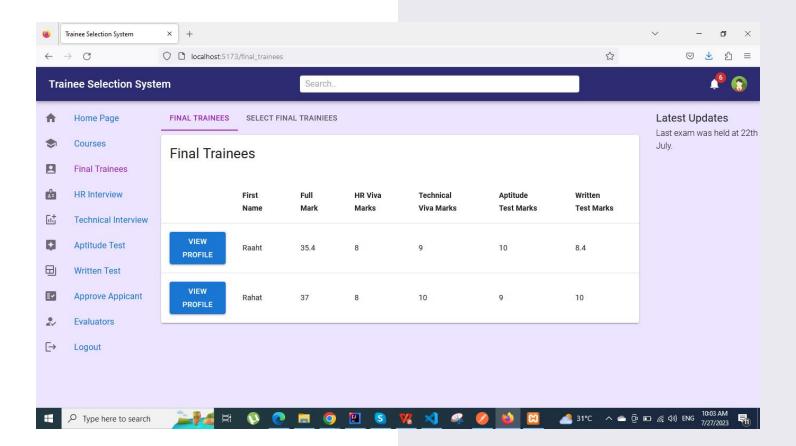
### Filter Applicants And Approve



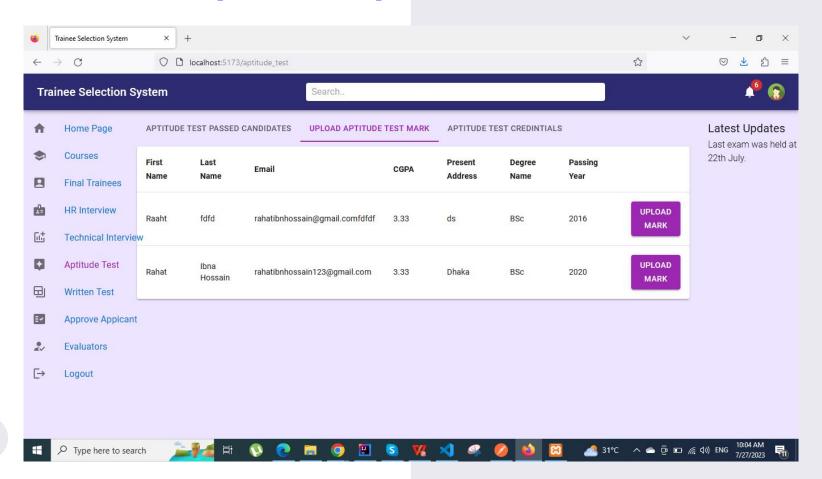
#### View Profile



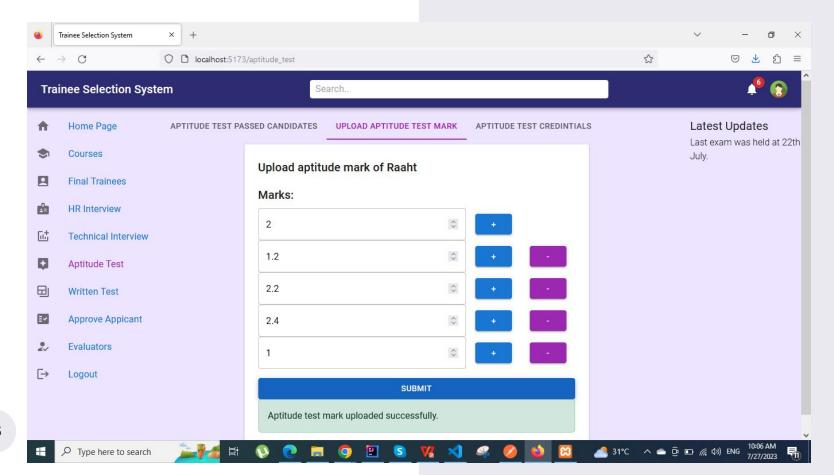
#### **Final Trainees**



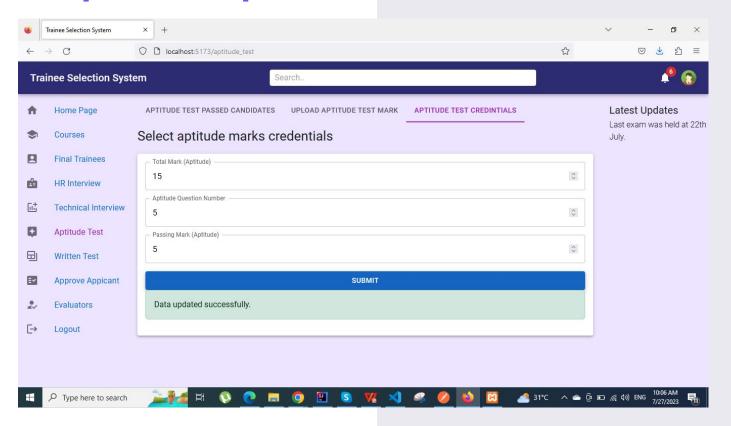
# **Upload Aptitude Mark**



### **Upload Aptitude Mark**



### **Update Aptitude Mark Credentials**



### Learnings from this Project

- Understanding Complex Business Requirements
- Integration of Multiple Technologies
- Security Implementation
- Data Management and Database Design
- Error Handling and Debugging
- Documentation

### Challenges and How to Solve Those

- Complex Business Logic
- File Upload and Download Management
- Version Control and Code Management
- Data Management and Database Design
- User Experience (UX) Design

#### **Future Work**

- Machine Learning-Based Candidate Ranking
- Mobile Application
- Feedback and Rating System
- Video Interviewing Integration
- Coding Challenges

# Thank You

