

DB Project: RePlace

Members

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Introduction and Goals

Our goal is to implement an integrated portal that combines the platforms for internship, training-blog and placements. We aim to reduce the manual labour required by ICs in providing information through mails and other bookkeeping. This will be achieved by redesigning the relational database schema which will reduce data redundancies and increase flexibilities in current version of placement portal. This platform will serve as combined source of information for all placement related activities.

User Categories and Functionalities

- Login and Logout for all users

1. Admin

- Initially populate the database
- Update database at end of the semester/year regarding new admissions, CPI change etc., (if time permits)
- This part represents the connections of our project with rest of database tables in the university

2. Student

- View and Sign eligible JAFs
- Provide reviews for completed internships
- Search current JAFs according to various filters
 - CPI cutoff
 - Job Profile
 - Place of Posting
 - Eligibility
 - Stipend
 - Company
- View all data regarding past interns including reviews, selections and procedures
- Upload resume and see status of verification (if time permits)
- Confirm final selection for students finally shortlisted by companies

3. IC

- a. Verify resumes
- b. Update database regarding test location, timing and other updates

4. Company

- a. Create JAFs and see specific resume number of applicants
- b. Set eligibility conditions
- c. Shortlist based on the resumes of applicants
- d. See progress level of shortlisted students according to various sequential tests (if time permits)
- e. Give final selections and see the confirmation status by selected students.

Other Features

- Automatic mailing on relevant news (if time permits)
 - New JAF creation which can be signed
 - Getting shortlisted/selected
 - Update on tests/interviews on companies in which student gets shortlisted

System Architecture

- Create web app using HTML, CSS, and JS for our placement portal
- Use Django framework for backend of our website