Department of Master of Computer Applications

IV Semester Project Synopsis Format   13-07-2024

Campus Recruitment Management System

Campus placements that take place in colleges from various companies involve a set of procedures. The course of actions in placements may range between the time any company visits and the company offers a position to the eligible students. Campus Recruitment Management System is a cross-platform application that aids such processes by managing a recruitment process. The tasks include from filtering in the eligible candidates for the company to record keeping of the placed students. Additionally, the tasks involve capturing statistics of the recruitment process, such as the number of students who failed the final round and the number of companies that did not revisit the campus.

The initial process involves collecting data from the placement coordinators, the department and the students for a good understanding of the process. The design of user interface, required backend modules along with the database design will be created to meet the requirements collected in the previous step. The development process of the application makes use of the NodeJS framework for the creation of application logic in the form of modules. The user interface will be developed with ReactJS by making use of necessary components. MySQL Database will be used for storing and retrieving the recruitment data. Python along with Pandas will be used for providing statistics of the recruitment processes.

The application will provide an interface to collect and store common student information for placements. The solution will lay out filters for filtering in eligible students for a process. The application will also incorporate forms to receive consent from the students. This serves as an acknowledgement for tracking the participating students. The application will help to provide good insights into the future placement processes. The system also aims to present various pre-built and custom statistics on the recruitment processes previously held on campus. The platform also generates an output in the form of spreadsheet after any filtering or querying process is performed.

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