AUTOMATED SUBJECT ALLOCATION SYSTEM

Our project encompasses the development of a comprehensive subject allocation system designed to streamline the process for teachers and administrators. Built using React JS and Django, the system offers distinct user interfaces for administrators and teachers, each with separate login credentials. The administrator interface empowers administrators to manage teacher, subject, and department details efficiently.

Through this interface, administrators can insert, delete, and update information related to teachers, subjects, and departments. Specifically, in the subject allocation section, administrators have the authority to initiate or halt the subject selection process, as well as monitor its progress. In the teacher interface, educators can participate actively in the subject selection process by indicating their preferences. They have the freedom to prioritize subjects according to their preferences, and the system displays their selected subjects accordingly.

Once teachers have finalized their selections, they can review their opted subjects in order of priority. Upon the conclusion of the teacher's selection submission, the backend triggers the allocation process, considering factors such as seniority and designation. Consequently, one or two of the most preferred subjects are assigned to each teacher. Following the allocation process, teachers gain access to comprehensive information on all teachers and their allotted subjects for every academic year.

This holistic view enables teachers to plan and manage their academic responsibilities efficiently. In conclusion, our subject allocation system brings enhanced efficiency and transparency to the allocation process, benefiting both administrators and teachers alike. It optimizes the distribution of subjects based on individual preferences and criteria, facilitating a seamless educational experience.

YOUTUBE VIDEO LINK-https://youtu.be/X5rmSVC_-vA?si=5JqLuAJ1Sv7a-dL_