UX BASED ENHANCED SYSTEM FOR ALLOCATION OF HOSTEL-ROOM AND PROFESSIONAL CAREER GUIDANCE SYSTEM

Navonaya Bramhachari [1729037]*
Rahul Bordoloi [1729048]*
Ritwik Das [1729054] *
Saptarshi Mazumdar [1729058] *
Suranja Bakshi [1729228] *
Under the Guidance of Prof. Rajdeep Chatterjee

OBJECTIVES

This project aims to ease the daily routine queries and difficulties faced by students new to the KIIT campus. It would ensure the prediction of the professions that can be pursued by young aspiring engineering students after completion of the course.

PROBABLE CHALLENGES

The classical process of allocating rooms to the borders is completely manual and it takes a lot of time and effort to provide the confirmed rooms to borders. Besides that, boarders can't choose a room with their opinions, rather random rooms are being allocated for them. Our proposed methodology will collect the preferences from a border and based on the availability of rooms, it will get allocated.

Most of the freshmen are now aware of the location of their respective classrooms and Laboratories. The proposed system provides an embedded map with markers in specific locations as a best solution of that.

Students who are seeking for a job always need a suggestion for their job career. Similarly, pupils who're waiting to start their graduation wants to know the possibly best option for student career. Our proposed model will be able to provide these complex suggestions depending on the input data.

To help a student in few more ways, functionalities like notifying class schedules and reminding due works will be added with the system.

PROPOSED SOLUTION

i. Required suggestions will be provided using cosine similarity or using any classifier.
ii. For ease of integration of different modules, RestfulAPIs may be used.
iii. NoSQL Database and a Cloud Database server for real-time connectivity would be created.

* Equal Contribution

iv. Predefined Geolocation APIs for the reliability of Map will guide the newcomers.
v. New features will be integrated further and Regression Testing will be used for sustainability.
vi. Agile Methodology will be followed for successful completion throughout the project work.

TIMELINE [SCRUM TABLE]