



Ahsanullah University of Science and Technology (AUST)
Department of Computer Science and Engineering

Project Proposal

Course No.: CSE4126

Course Title: Distributed Database Systems Lab

Submitted To-

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Section-B1

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Department-CSE

Department Recommendation for Undergraduate Candidates

In this project, I've planned to build a department recommendation system for undergraduate program candidates which will help them to choose departments according to their previous records.

Students' performance in their SSC and HSC examination largely influence their decision to choose the field they want to further explore. This distributed database system will hold the data of SSC and HSC results and chosen Departments. Based on this data, machine learning algorithms will be trained to predict the preferable department for a student.

Database Schema:

previousresult(studentid, sscEnglish, sscGenMath, sscHighMath, sscPhysics, sscChemistry, hscEnglish, hscMath, hscPhysics, hscChemistry)

sscresult(studentid, sscEnglish, sscGenMath, sscHighMath, sscPhysics, sscChemistry)

hscresult(studentid , hscEnglish, hscMath, hscPhysics, hscChemistry)

The project requires distributed database. As I am considering both the SSC and the HSC result, it is obvious that the two databases remain in two different systems. So, it is required to fetch data from them and train machine learning algorithms to predict the preferable department for a candidate.