National University of Computer & Emerging Sciences
Karachi Campus

Student Management System

Project Proposal
Object Oriented Programming (OOP)
Section: 2-K

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Project Proposal

- **Introduction**

  The Student Management System handles all the details about a student.
  It allows a user to access records of academically registered students.

- **Existing System**
  - List of Processes that have admin rights only.
  - Admin can perform CRUD Operation.
  - Admin can watch Student performance over the semester.
  - Admin can read student credentials.
  - Admin can modify the student credentials.
  - Admin can remove the student.

- **Problem Statement**
  - CLI/GUI Based Management
  - Crud Operation.
  - Managing Student data
  - Setting up database

- **Proposed Solution**
  - GUI Library.
  - Database or filling.
  - Create and Manage Crud Operation.

- **Salient Features**
  - Each student has a unique ID and their details.
  - Student performance on a semester/year basis.
  - Calculate cgpa at the end of semester.
  - Admin can create new student data.
  - Admin can read student data.
  - Admin can amend student data.
  - Admin can remove student data.

- **Tools & Technologies**

  Programming language : C++ programming
  Framework : As per requirement.
  Operating System (Linux, Windows, etc.): Windows Os

  LAB-Instructor:

  Maam Anam Qureshi

  Signature: