**Lahore Garrison University**



**DATABASE MANAGEMENT SYSTEM**

**Project Report Review**

**Student Record Keeping Software**

**Team Members:**

[**Armoghan-ul-Mohmin**](https://github.com/Armoghan-ul-Mohmin) (Fa-21/BS DFCS/010)

Aftab Hussain (Fa-21/BS DFCS/033)

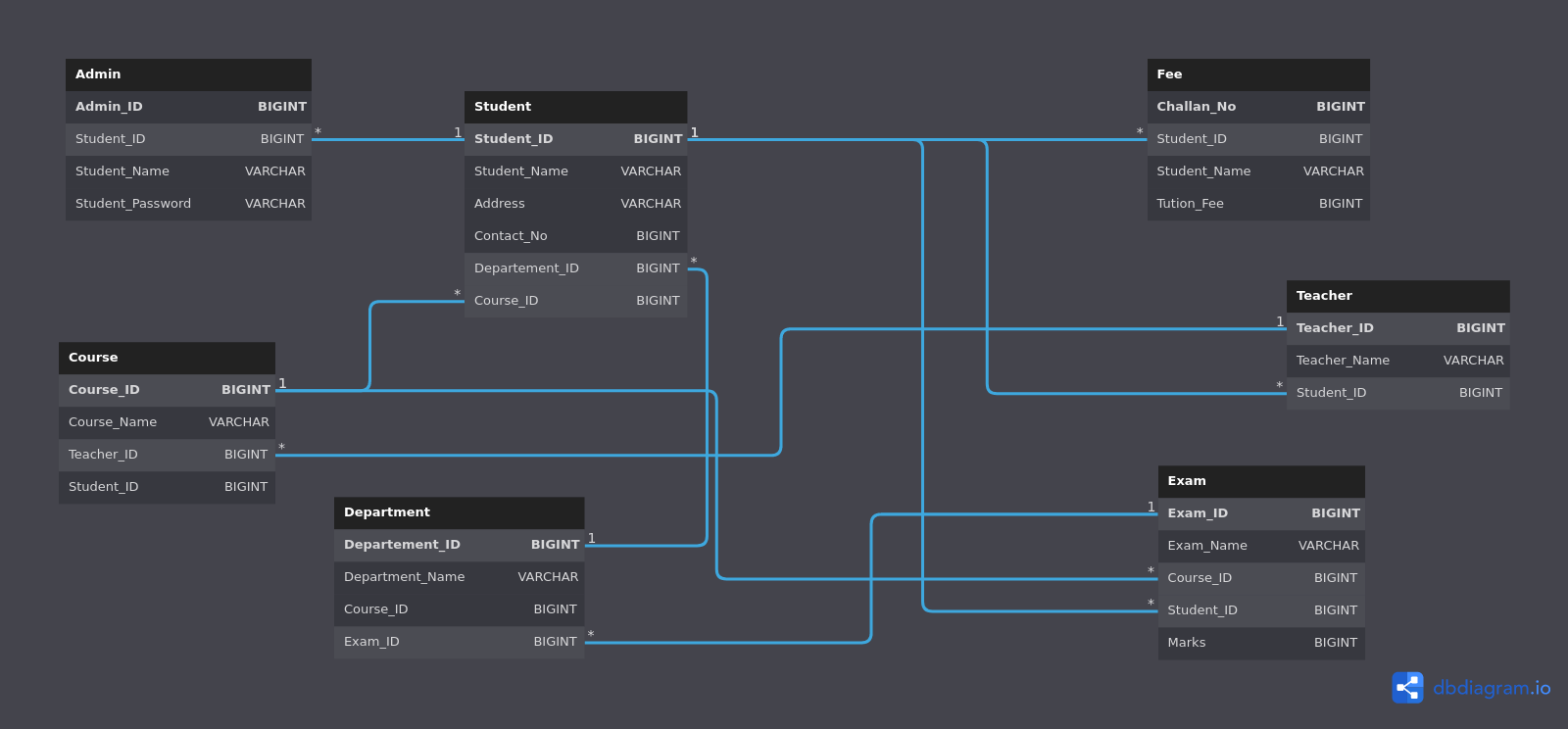
**Under the Guidance of: Imran Khalid & Saud Farooq**

**Department of Digital Forensics and Cyber Security, LGU**

**ABSTRACT:**

This project is basically creating a database management system for Student Record Keeping Software. Aim of the project is to creating a backend program of the processes taking place using SQL. This model deals with the relationship between Students, Teachers, Departments, and Exams. The other entities play a supportive weak role. So basically this helps the Students , Teachers and University to keep records.

**ER Diagram:**



**Table:**

1. Admin
2. Student
3. Fee
4. Department
5. Course
6. Teacher
7. Exam

**Admin**

|  |  |  |
| --- | --- | --- |
| Attribute | Data type | Constraint |
| Admin\_ID | Bigint | Primary Key |
| Student\_ID | Varchar (20) | None |
| Student\_Name | Varchar (20) | None |
| Student\_Password |  |  |

**Student**

|  |  |  |
| --- | --- | --- |
| Attribute | Data type | Constraint |
| Student\_ID | Varchar (20) | None |
| Student \_Name | Bigint | Foreign Key |
| Address | Varchar (20) | None |
| Contant\_No | Bigint | None |
| Department\_ID | Bigint | None |
| Course\_ID | Bigint | None |

**Teacher**

|  |  |  |
| --- | --- | --- |
| Attribute | Data type | Constraint |
| Teacher\_ID | Bigint | Foreign Key |
| Teacher\_Name | Varchar(20) | None |
| Student\_ID | Bigint | None |

**Course Table**

|  |  |  |
| --- | --- | --- |
| Attribute | Data type | Constraint |
| Course\_ID | Bigint | Foreign Key |
| Course\_Name | Varchar(20) | None |
| Teacher\_ID | Bigint | Foreign Key |
| Student\_ID |  |  |

**Department**

|  |  |  |
| --- | --- | --- |
| Attribute | Data type | Constraint |
| Department\_ID | Bigint | Primary Key |
| Department\_Name | Varchar(20) | None |
| Course\_ID | Bigint | Foreign Key |
| Exam\_ID | Bigint | Foreign Key |

**Exam**

|  |  |  |
| --- | --- | --- |
| Attribute | Data type | Constraint |
| Exam\_ID | Bigint | Primary Key |
| Exam\_Name | Varchar(20) | None |
| Course\_ID | Bigint | Foreign Key |
| Student\_ID | Bigint | Primary Key |
| Marks | Bigint | Primary Key |

**Fee Table**

|  |  |  |
| --- | --- | --- |
| Attribute | Data type | Constraint |
| Challan\_No | Bigint | Primary Key |
| Student\_ID |  | None |
| Student\_Name | Bigint | Primary Key |
| Tution Fee | Bigint | Foreign Key |