

## **Description of Databases**

There are four databases in the project.

1. *SIS*
2. *STUDENT*
3. *FACULTY*
4. *STAFF*

### **MySQL Commands to create above databases are as follows :**

```
create database SIS;
create database STUDENT;
create database FACULTY;
create database STAFF;
grant all on 'SIS'.* to 'sis'@'localhost' identified by 'sissecret';
grant all on STUDENT.* to 'sis'@'localhost' identified by 'sissecret';
grant all on FACULTY.* to 'sis'@'localhost' identified by 'sissecret';
grant all on STAFF.* to 'sis'@'localhost' identified by 'sissecret';
flush privileges;
```

## **Description of Tables**

### **1. SIS**

There are three tables in SIS database.

1. *Admin*
2. *Student\_Structure*
3. *Faculty\_Structure*
4. *Staff\_Structure*

### **MySQL Commands to create above tables in SIS database are as follows :**

```
use SIS;
create table Admin (id int Primary Key, userName varchar(50), password varchar(20), role int);

create table Student_Structure ( id int Primary Key, fieldName varchar(50), modifiable varchar(2),
multiple varchar(5), textArea varchar(5), fieldSize varchar(5));
insert into Student_Structure values (1, 'id', 'N', 'N', 'N', NULL);
insert into Student_Structure values (2, 'password', 'Y', 'N', 'N', '20');
insert into Student_Structure values (3, 'iiitemailid', 'N', 'N', 'N', '50');
```

```
create table Faculty_Structure ( id int Primary Key, fieldName varchar(50), modifiable varchar(2),
multiple varchar(5), textArea varchar(5), fieldSize varchar(5));
insert into Faculty_Structure values (1, 'id', 'N', 'N', 'N', NULL);
insert into Faculty_Structure values (2, 'password', 'Y', 'N', 'N', '20');
insert into Faculty_Structure values (3, 'iiitemailid', 'N', 'N', 'N', '50');
```

```
create table Staff_Structure ( id int Primary Key, fieldName varchar(50), modifiable varchar(2),
multiple varchar(5), textArea varchar(5), fieldSize varchar(5));
insert into Staff_Structure values (1, 'id', 'N', 'N', 'N', NULL);
insert into Staff_Structure values (2, 'password', 'Y', 'N', 'N', '20');
insert into Staff_Structure values (3, 'iiitemailid', 'N', 'N', 'N', '50');
```

**\*\*Modify username and password as per requirements\*\***

```
insert into Admin values(1, 'admin', 'admin',1);
```

## **2. STUDENT**

There is one table in STUDENT database.

### *1. Student*

**MySQL Commands to create above table in STUDENT database are as follows :**

```
use STUDENT;
create table Student
( id int Primary Key,
password varchar(20),
iiitemailid varchar(50));
```

## **3. FACULTY**

There is one table in FACULTY database.

### *1. Faculty*

**MySQL Commands to create above table in FACULTY database are as follows :**

```
use FACULTY;
```

```
create table Faculty  
( id int Primary Key,  
password varchar(20),  
iiitemailid varchar(50));
```

## **4. STAFF**

There is one table in STAFF database.

### *1. Staff*

**MySQL Commands to create above table in STAFF database are as follows :**

```
use STAFF;  
create table Staff  
( id int Primary Key,  
password varchar(20),  
iiitemailid varchar(50));
```