School Management System : Database Design

Sl	Table field	Type	Table field in db	Type
1	User_id	INT	user_id	INT
2	Password	String	password	String
3	Email	String	email	String
4	Mobile_no	INT	mobile_no	INT
5	First Name	String	first_name	String
6	Last Name	String	last_name	String
7	DOB	Date	dob	Date
8	Class_Name	String	class_name	String
9	Class_Roll	INT	class_roll	INT
10	Father_Name	String	father_name	String
11	Father_occupation	String	father_occup	String
12	Mother_Name	String	mother_name	String
13	Mother_Occup	String	mother_occup	String
14	Address	String	address	String
15	Student_BR	String	Birth_reg	String
16	Student_pic	String	stu_img	String
17	Signature	String	signature	String
18	Active	String	Active/inactive	String
19	Parent_info_id	INT	parent_info_id	INT
20	Parent_password	String	Parent_pass	String
21	Creation date	Date	creation_date	Date
22	Last changed by	Date	last_changed_by	Date (Admin/Student)
23	Last change date	Date	last_change_date	Date

- Parent_info_id & password provided by Admin via SMS.

Sl	Table field	Type	Table field in db	Type
1	User_id	INT	user_id	INT
2	Password	String	password	String
3	Email	String	email	String
4	Mobile_no	INT	mobile_no	INT
5	First Name	String	first_name	String
6	Last Name	String	last_name	String
7	DOB	Date	dob	Date
8	Designation	String	designation	String
9	Basic_Salary	INT	Basic_salary	INT
10	Role_AS	String	role_as [admin (0)/Teacher(1)/staff(2)]	String
11	Education_bg	String	Education_bg	String
12	Joining_date	date	joining_date	date
13	Resigning_date	String	resigning_date (admin can add this)	String
14	Teaching_subject	String	teaching_subject	String

15	Address	String	address	String
16	Nid	string	NId (file upload)	String
17	pic	String	img(file upload)	String
18	Signature	String	signature(file upload)	String
19	Creation date	Date	creation_date	Date
20	Last changed by	Date	last_changed_by	Date (Admin/Student)
21	Last change date	Date	last_change_date	Date

Table 03: course_name

Sl	Table Field	Table Field	Type
1	Course_id	course_id	INT
2	Course_name	course_name	String
3	Course_description	course_description	String
4	Class_Name_id	class_name_id (from Class Name Table)	String
5	Course_teacher	Course_teacher_id	INT
6	Creation date	creation_date	Date
7	Last changed by	last_changed_by	Date (Admin/Student)
8	Last change date	last_change_date	Date

Table 04: course_assignment

Sl	Table Field	Table Field	Type
1	Course_id	course_id	INT
2	Course_teacher	teacher_id	INT
3	Creation date	creation_date	Date
4	Last changed by	last_changed_by	Date (Admin/Student)
5	Last change date	last_change_date	Date

Table 04: class_name

Sl	Table Field	Table Field	Type
1	Class_id	class_id	INT
2	Class_Name	class_name	String
5	Created by	created_by	Date
6	Created Date	created_date	Date

Table 04: class_name

Sl	Table Field	Table Field	Type
1	Section_id	section _id	INT
2	Section_Name	section _name	String
5	Created by	created_by	Date
6	Created Date	created_date	Date

Table 05: questions

Sl	Table Field	Table Field	Type
1	Question_id	question_id	INT
2	Class_id	class_id	INT
3	Course_id	course_id	INT
4	Section_id	section _id	INT
5	Question	question	Long_text
6	Creation date	creation_date	Date
7	Last changed by	last_changed_by	Date (Admin/Student)
8	Last change date	last_change_date	Date

Table 07: **result**

Sl	Table Field	Table Field	Type
1	Question_id	question_id	INT
2	Class_id	class_id	INT
3	Course_id	course_id	INT
4	Section_id	section _id	INT
5	student_id	student_id	INT
6	Teacher_id	teacher_id	INT
7	Total_marks	total_marks	Float
8	Comments	comments	Text
9	Creation date	creation_date	Date
10	Last changed by	last_changed_by	Date (Admin/Student)
11	Last change date	last_change_date	Date

Table 06: **notice_board**

Sl	Table Field	Table Field	Type
1	id	id	INT
2	Notice_Title	notice_title	String
3	Notice_Content	notice_content	String
4	comment	comment	String
5	Creation date	creation_date	Date
6	Last changed by	last_changed_by	Date (Admin/Student)
7	Last change date	last_change_date	Date

Table 06: **library**

Sl	Table Field	Table Field	Type
1	id	id	INT
2	Book_Title	book_title	String
3	Book_name	book_name	String
4	comment	comment	String
5	Creation date	creation_date	Date
6	Last changed by	last_changed_by	Date (Admin/Student)
7	Last change date	last_change_date	Date

THANK YOU