

AADITHYA A

24CS001

II CSE A

E-Certificate Generation and Verification System

1.System Design

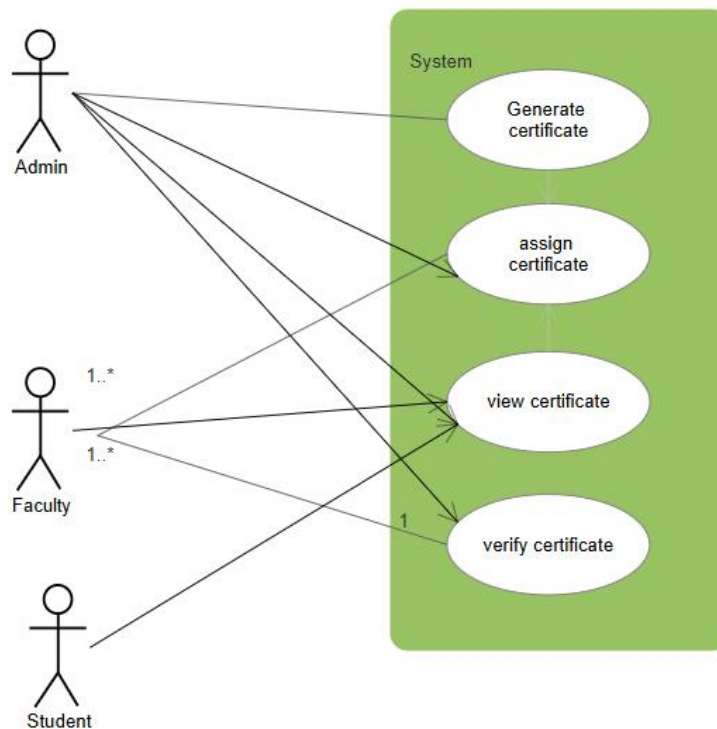


FIG1.1: USE CASE DIAGRAM

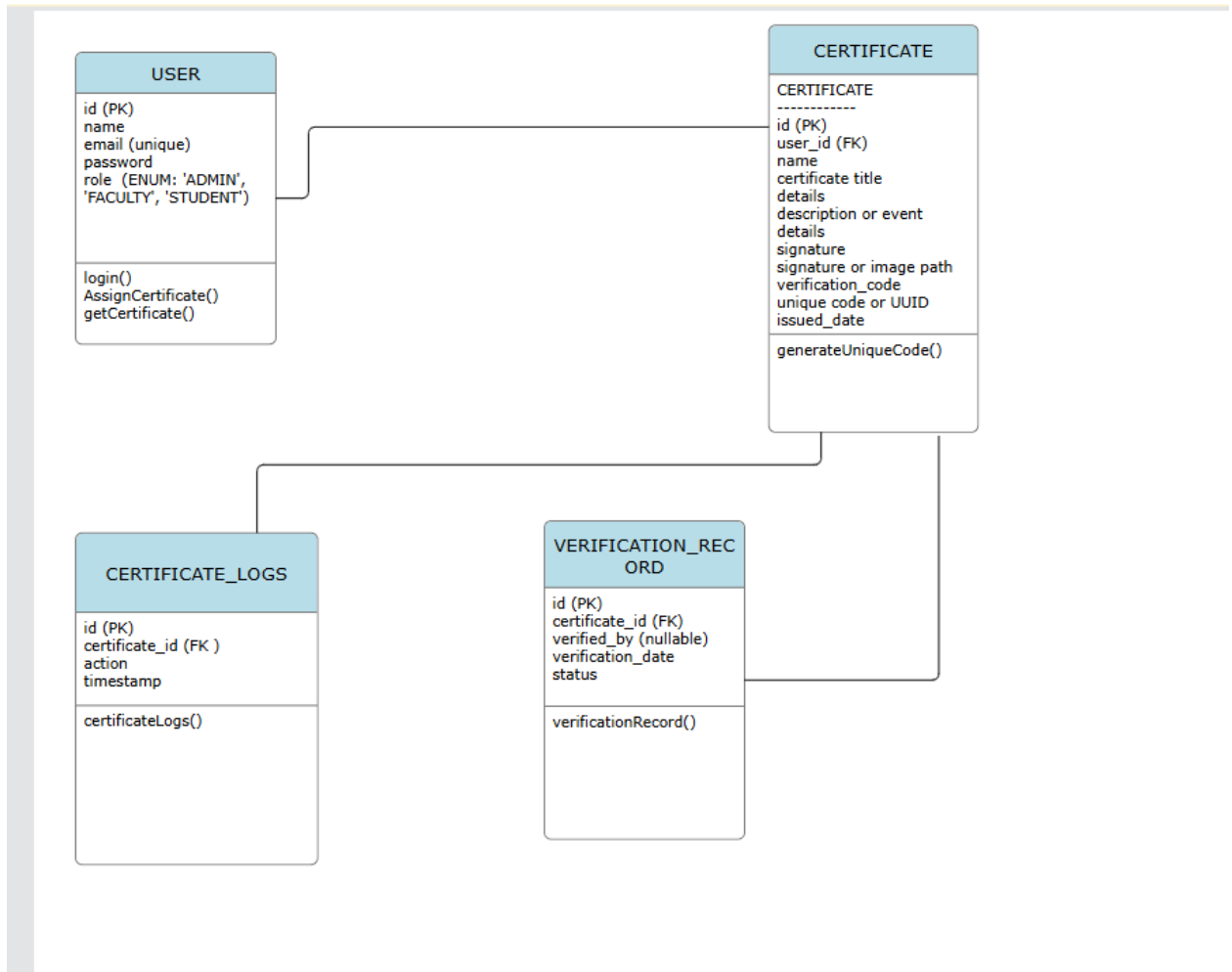


FIG 1.2: CLASS DIAGRAM

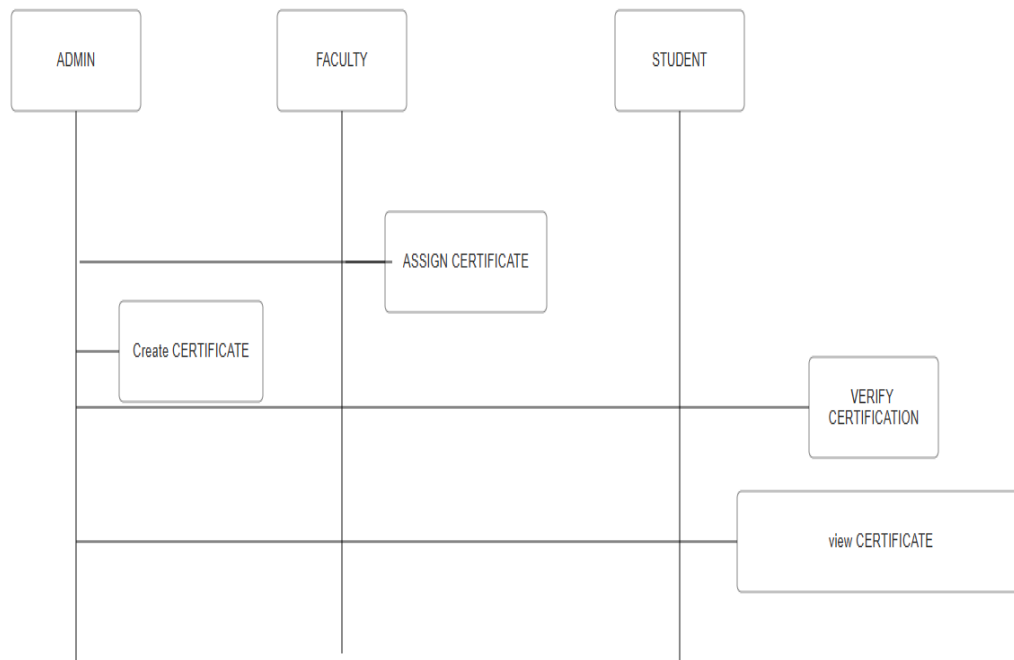


FIG 1.3: INTERACTION DIAGRAM

2.DATABASE DESIGN

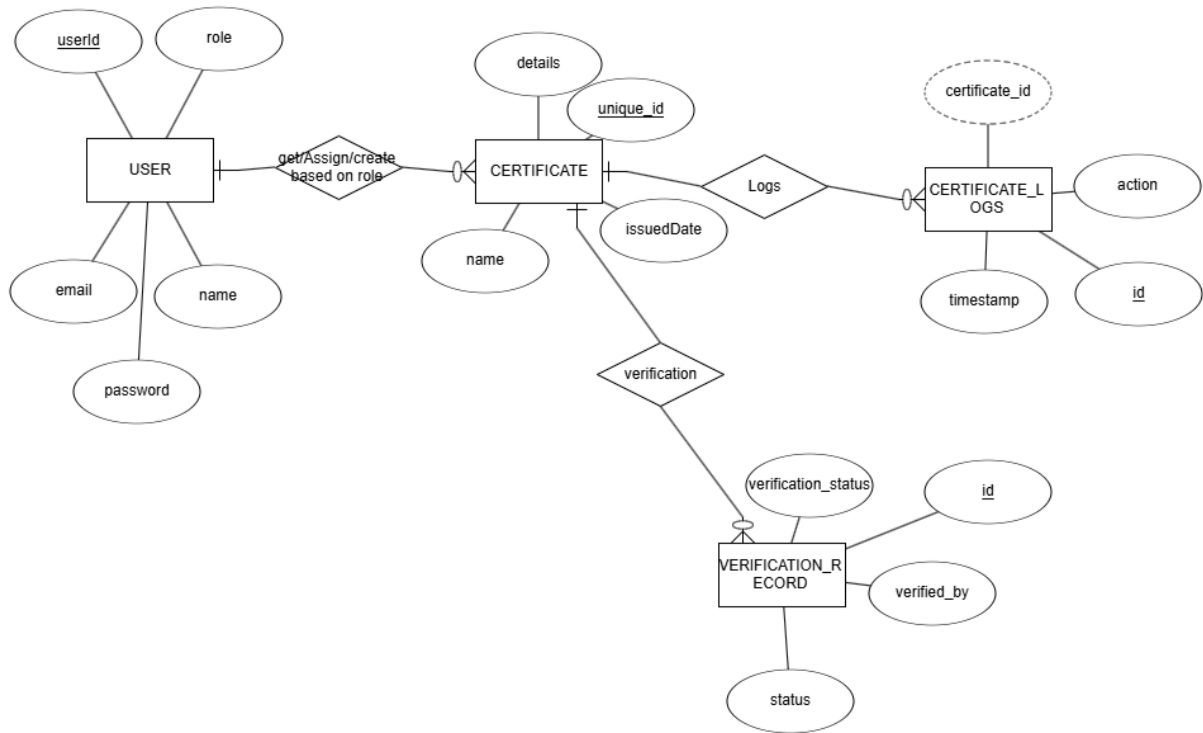


FIG 2.1: ER DIAGRAM

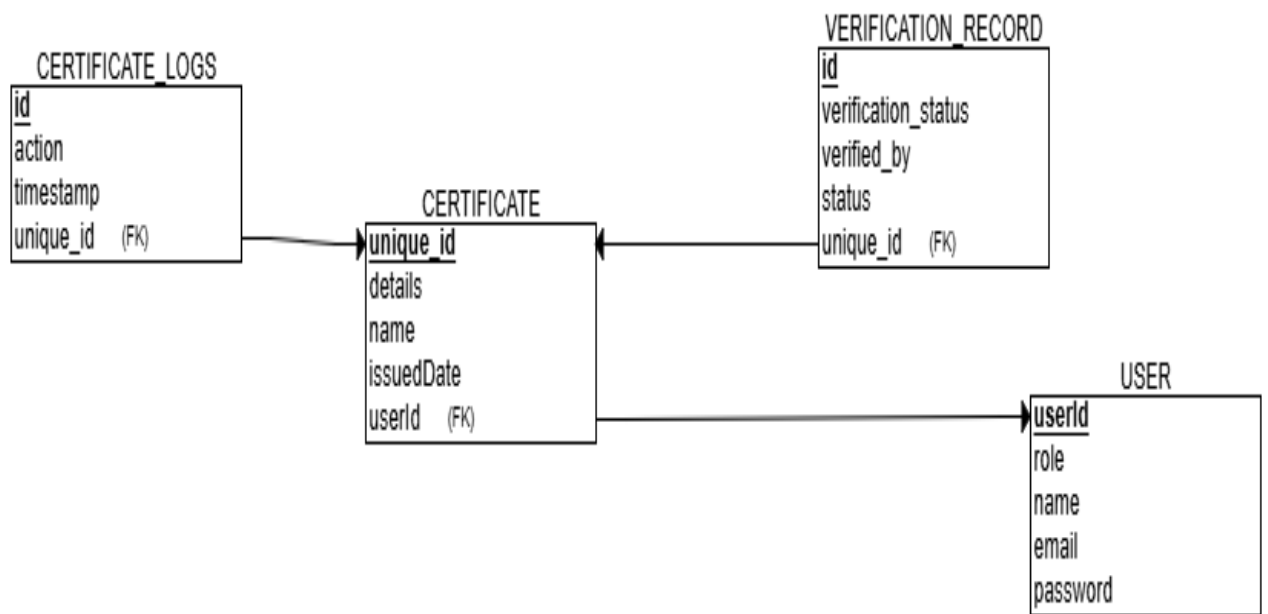
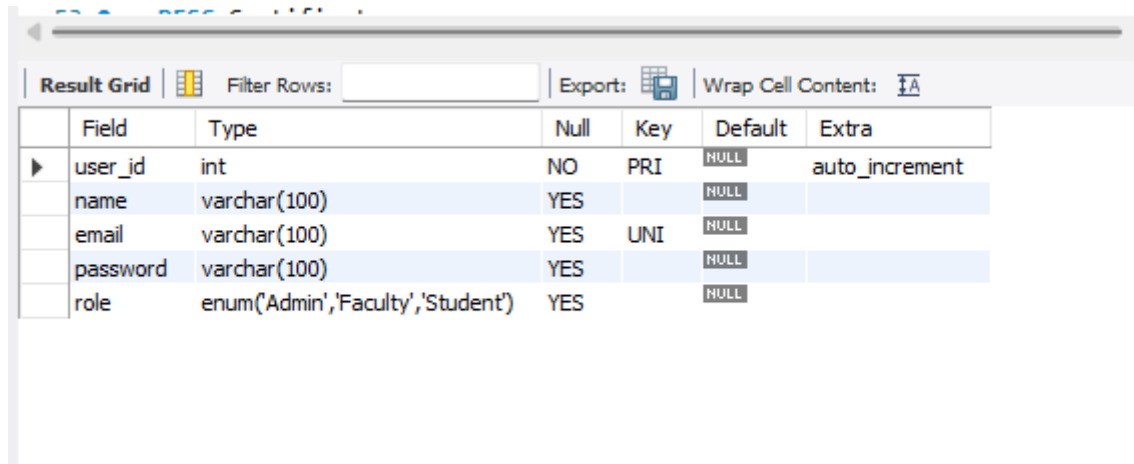


FIG 2.2: SCHEMA DIAGRAM

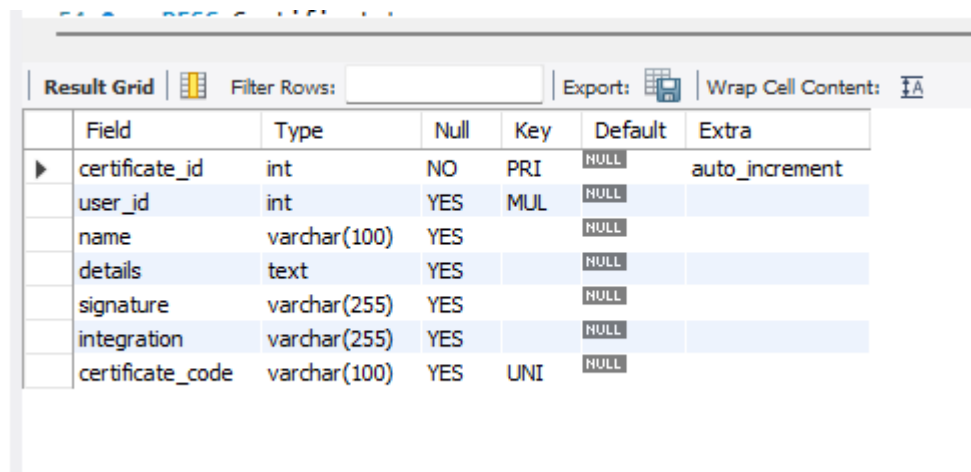
3.TABLES



The screenshot shows a database management interface with a 'Result Grid' tab. It displays the structure of a table with the following columns: Field, Type, Null, Key, Default, and Extra. The table has five rows of data.

	Field	Type	Null	Key	Default	Extra
▶	user_id	int	NO	PRI	NULL	auto_increment
	name	varchar(100)	YES		NULL	
	email	varchar(100)	YES	UNI	NULL	
	password	varchar(100)	YES		NULL	
	role	enum('Admin','Faculty','Student')	YES		NULL	

TABLE 3.1:USER TABLE



The screenshot shows a database management interface with a 'Result Grid' tab. It displays the structure of a table with the following columns: Field, Type, Null, Key, Default, and Extra. The table has eight rows of data.

	Field	Type	Null	Key	Default	Extra
▶	certificate_id	int	NO	PRI	NULL	auto_increment
	user_id	int	YES	MUL	NULL	
	name	varchar(100)	YES		NULL	
	details	text	YES		NULL	
	signature	varchar(255)	YES		NULL	
	integration	varchar(255)	YES		NULL	
	certificate_code	varchar(100)	YES	UNI	NULL	

TABLE 3.2: CERTIFICATE TABLE

