1. Applying system analysis and design methodologies, including planning phase, analysis phase, design phase, and implementation phase.

**Design Phase**

1. ERD
2. Converting ERD to GRD
3. Physical Database Design. Create the database tables strictly according to your GRD (same attribute in different tables, as foreign key, have the same data type and constraints)
4. Create ERD -> GRD then apply normalisation techniques to 3NF. GRD should be normalised
5. ERD contains: all necessary entities, relationships, attributes, and primary key

* Student
* Parent
* Staff
* Manager
* Course
* Subject
* Timetable
* Tutor
* Payment
* Bank

1. Insert enough relevant data into the database system
2. Queries should be answered:

* How many students have enrolled in a particular subject in a specific course? (define subject and course by yourself
* Who is the tutor of particular subject? (Name, ID, Address, Contact)
* What is the average, minimum, and maximum price of the units in a course? Give the values and the subject’s name of average, min, and max price
* List the name of tutors and their corresponding courses and subjects in each course that they teach
* List all subjects and their scheduled time and date
* List the name of all students who enrolled in course, e.g “Computer Studies”
* List the name of all parents who enrolled their kids in a subject, e.g. “Programming” of course “Computer Studies”
* List the name of staff who work on Thursdays
* List the name of parents whose accounts are not verified by the Bank
* List the total payment of each student
* Aaa
* Bb
* Cc