

TEST PROJECT
PRACTICAL SKILLS

**MODULE 1: SYSTEM ANALYSIS AND DESIGN &
DATABASE DESIGN**

MAJORS: SOFTWARE TECHNOLOGY

Exam Paper Code: SAT01

SCHOOL LEADERSHIP	CHIEF SUBCOMMITTEE ON EXAM DEVELOPMENT
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Guide contestants

Student's name	Date of birth	Placement	Module 1
			System Analysis and Design & Database Design

GUIDE CONTESTANTS

Module 1: System Analysis and Design & Database Design

Time:

- Preparation Time: 05 minutes
- Time Duration: 150 minutes
- Break Time: 10 minutes

Scores:

Exam content		Marks
1	System Analysis and Design	50
2	Database Design	50
Total Marks		100

Candidates are required to note:

- Ensure safety standards of health and computer
- Do the test independently without discussing while doing the test
- Comply with regulations of exam room and proctor's instructions
- Fill the information in the form
- Complete all requirements in the content of the exam
- Do not use documents, the Internet and other communication devices during the assignment
- If the exam does not have special requirement for the file name and storage location, contestants save all exam file name in the folder as following format:

D:\WorkSkills\System Analysis and Design & Database Design

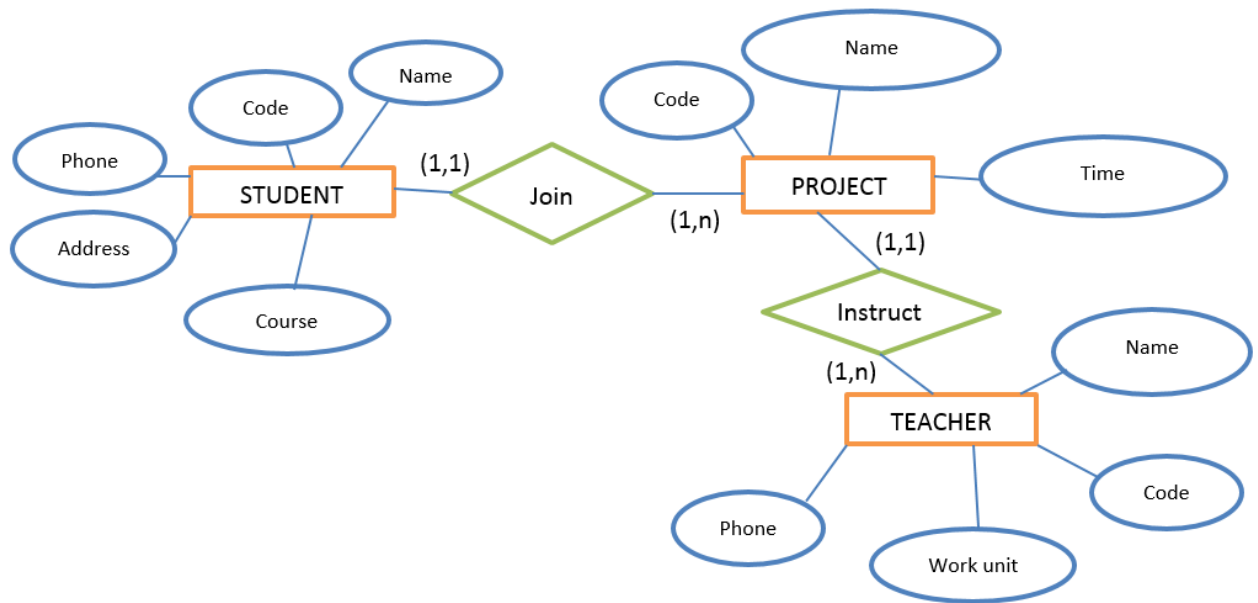
<Student's Name>_< Student code >[.< extension >]

Student's name	Date of birth	Placement	Module 1
			System Analysis and Design & Database Design

CONTENT OF THE TEST

Question 1:

Below is the ER model:



1. Change from ER model to relational model.
2. Convert ER model to logical data model.

Question 2:

Based on the previous ER model (Question 1), write SQL statements to do the following:

1. Create a database and name it **ProjectManagement** then create tables with reasonable data types.
2. Create constraints on tables to ensure the accuracy and reliability of the data.
3. Insert 4 valid records into each table.
4. Based on the *student* and *project* table, select student's code, name and project name.
5. Create a view that shows all fields from the *teacher* table who are working at FIT and sorts the results in ascending order by teacher's code.
6. Create a procedure to insert a new record into the *student* table.

Assessment guidelines

Student's name	Date of birth	Position
		Computer Network Design

GENERAL TRANSCRIPT

Exam content		Maximum Marks	Achieved Marks
1	System Analysis and Design	50	
2	Database Design	50	
Total Marks		100	

TEST TIME

Get to know the equipment		Time Duration		Break Time			
Starting time		Starting time		Starting time		Starting time	
Ending time		Ending time		Ending time		Ending time	

TEACHERS' SIGNATURE

1	2	3	4	5