

SCHOOL OF COMPUTER SCIENCES  
UNIVERSITI SAINS MALAYSIA

CMT221/CMM222: Database Organization and Design

Semester 1, Academic Session: 2023/2024

**System Planning**

*Group Number: 55*

*Case Study Number 15 : ScholarLink*

Name	Matric No.	USM Email	Module	Role	Core/Minor
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Date of Submission

12 November 2023

**Case Study 15 : ResearchPortal Academic Social  
Networking Database System**

# Project title: ScholarLink

## Modules

### Module 1: User Management Module

- This Module will manage **all user account data** on the ScholarLink portal. It will store **all user account details** of the portal under the following main entities: **User, Department, Country and a bridge entity**.
- Member: **Mohsin Ali**

### Module 2: Articles Module

- The Articles Module will store data pertaining to the main feature of **ScholarLink** i.e Article sharing page of the portal. It will **store all articles** with **researcher details, references and citations**.
- Member: **Azam Tamheed**

### Module 3: Questions Module

- This module will manage the Question-answering page of the portal. It will store all Questions along with their **type , description and keywords**. Keywords (research topics/subtopics) will have **followers** and will also be used to **tag articles**.
- Member: **Fallah Nazir**

### Module 4: Conversations Module

- The Conversation module will manage all conversations of all users with other users on the **Conversations page** of the portal and store the data under the **following main entities: Conversation, Message, Attachment and a bridge entity between Message and Attachment**. The main purpose of this page is to allow users to **request articles** from their authors. **Messages are private** unlike Questions that can be answered by any user.
- Member: **Sadeed Farooqi**

NOTE: Number of entities and their relationship will be confirmed in our upcoming report.