**FYP Mid Defense Template**

***Sukkur IBA University***

### Software Design Specification (SDS)

For

[Name of System]

Version 1.0

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1. Introduction of Design Document
   1. **Purpose of Project:**

The main motive of this project is to develop a system that will help students, donor and the admin in the management of scholarship. Normally, a student has to apply for scholarship applications again and again and every time a student has to fil manual paper-based forms whenever a scholarship is announced.

The project mainly consists of the main modules named student module, donor module, admin module. These will be stand alone modules and can work independently and don’t depend upon each other. These three modules are for applying scholarships and viewing previous records of students, posting and grading scholarships and solving queries of students or the donor while the management of scholarship application. System contains the fundamental functionalities of each module.

* 1. **Document Overview:**

The software design specification document contains the architecture and design specification and details of the system under development. Document includes Entity relationship diagram to show the entities of the system and how they interact and communicate. Architecture diagram of the system, class diagram highlighting main classes and entities of the system. Moreover, flow of activities is shown by sequence diagrams.

Document contains the class diagram which shows the major classes of the whole system, interface design of the application and test cases to test the functionalities.

1. Entity Relationship Diagram (ERD)
2. Sequence Diagrams
3. Architecture Design Diagram
4. Database Diagram
5. Class Diagram
6. Interface Design
7. Test Cases