SUBMITTED ON: NOV 20, 2023

LOGICAL DATABASE SCHEMA ASSIGNMENT

SUBMITTED TO:

DR. ONAIZA MAQBOOL

SUBMITTED BY:

ABDULLAH SHAFIQ

AREEBA NAZ (TEAM LEAD)

AYESHA IKRAM

USE CASE 1
COURSE
ALLOCATATION
SYSTEM

PRODUCT FUNCTIONS:

Following are the core functions that the Course Allocation System will perform. The functions are summarized to give a high-level understanding of the system's capabilities without getting into details of each function.

The major functions of the Course Allocation System include:

- **Student Record Management:** This function involves maintaining a comprehensive list of admitted students, including their personal details, program information, and registration history.
- **Teacher Record Management:** The system allows for the management of teacher records, encompassing information such as names, contact details, and courses assigned.
- Course Registration: Students can register for courses offered in each semester after the system has verified fee status and prerequisites.
- Course Availability Verification: The system enables users to check the availability of courses for a particular semester.
- Fee Payment Tracking: It tracks the fee payment status of each student on a semester-by-semester basis.
- **Prerequisite Verification:** Before registering for a course, the system verifies if the student has successfully completed any required prerequisites.

These functions collectively form the core operational capabilities of the Course Allocation System. They are organized to facilitate a clear understanding for both the customer and any other stakeholders reviewing the document.

LOGICAL DATABASE SCHEMA:

