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Department of Computer Science & Engineering

Project Presentation on
"Consulate Booking System"

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Consulate Booking System

APPOINTMENT MANAGEMENT WITH MYSQL INTEGRATION

Introduction

Overview of the System

► **Purpose**: Manage appointment bookings for consulate services.

► **Key Features**: Booking,cancelling, viewing appointments, and MySQL database integration.

Class Structure

- **Main Classes**

- **Appointmentt**: Attributes: name, service, date, time

- **ConsulateBookingSystem:** Manages appointments (book, cancel, view**)**

- **AppointmentAdmin:** Manages MySQL database interactions.

Booking, Cancelling, viewing Appointments methods

- **Booking Appointment**
  Method: book_appointment(name, service, date, time)

- **Canceling Appointments.**
  Method: cancel_appointment(appointment_id)by using appointment ID.

- **Viewing Appointments**
  Method: view_appointments() Displays all scheduled appointments.

- **Adding Appointment Holders**
  Method: add_appointment_holder(appointment) Inserts appointment details into the database.

- **<u>Details</u>**()
  <u>Method</u>: details() used to displays all records from the database

- Database Connection Connect Details Parameters: host, user, password, database. Error handling for connection issues.

- Unit Testing Test Appointment Service System <u>Class</u> Uses unittest framework. Tests for adding appointments and fetching details.

"Thank you kindly"