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FACULTY OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE

INTRODUCTION TO DATABASE

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Section: V

Project Name

Welfare Club Management System

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Contents

Contents	Page
Introduction.....	3
Scenario Description.....	3
ER Diagram.....	4

Introduction:

The Welfare Club Management System is designed to efficiently manage the operations of a welfare club, including member participation, event organization, resource utilization, and sponsorship tracking. The system allows for seamless coordination among members, events, committees, and sponsors by maintaining comprehensive data about each entity. Members can register and participate in various events organized by the club, with their contributions and assigned tasks tracked systematically. Events are managed by committees, and the system ensures proper handling of resources and sponsorships to support event operations. By automating key processes and organizing data effectively, the Welfare Club Management System enhances the club's ability to coordinate its activities, improve engagement, and maintain transparency in its operations.

Scenario Description:

In the Welfare Club Management System, members, identified by a unique Member ID, can participate in multiple events, with details their name, contact, and membership type stored in the system. Events, identified by an Event ID, include attributes such as name, date, venue, and organizer, and may consist of tasks assigned to members with specific deadlines. Members can contribute to events, with each contribution linked to an Event ID, including details like amount and date. Events may utilize various resources, identified by a Resource ID, with information such as resource name, type, and availability. Sponsors, identified by Sponsor ID, can sponsor multiple events, with sponsorships detailing type (monetary or material), amount, and date. Additionally, the system manages committees, each identified by a Committee ID and responsible for organizing events, with members assigned to these committees and capable of managing multiple events.

ER Diagram:

