Ain Shams University
Faculty of Engineering Computer Engineering and Software Systems Program
CSE242/CSE232: Advanced Software Engineering – Fall 2025

Project Proposal

Project Title:

Sports Tournament Management System (no. 25)

Team 15
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Project Description:

The *Sports Tournament Management System* is a comprehensive platform designed to organize and manage sports tournaments efficiently. It enables administrators to register teams, generate match schedules, record results, and display live standings. The system supports multiple tournament formats, including knockout, round-robin, and league modes.

By automating scheduling and result tracking, the system minimizes manual errors and ensures fair, transparent competition management.

The focus of this project is on algorithmic scheduling, modular architecture, and extensibility, allowing future integration of additional features such as online registration, score analytics, and automated referee assignments.

Project Scope:

The project will include the design and implementation of core modules for team registration, match scheduling, result entry, and standings computation. It will also provide distinct user roles—administrator, organizer, and participant—each with specific permissions. The system will feature a graphical user interface and store data in a structured database. Future extensions, such as live match tracking or integration with sports APIs, are beyond the current scope but will be considered in the system's design for scalability.