

## **Project Summary:**

In this project, my group and I developed an information system and designed a database for KFUPM extracurricular activities. After drawing the ERD and normalizing the tables, I proceeded to create the tables using SQL, to easily query them later.

The database will integrate and store all student clubs, non-academic lectures, and volunteering activities in a single shared storage place. The combination of all these activities included in the database will ease the management of student clubs and Student Success Center while simultaneously encouraging students to register in clubs and events. The management of KFUPM clubs will benefit from the database having a data storage for budgeting and organizing events rather than using spreadsheets. Likewise, volunteering events and non-academic lectures organized by the Student Success Center will be stored in the database, easing the management for the SSC. The availability of a well-structured database will ease the process of communication between the management and students. This will simplify managing the clubs and activities for both club management and Student Success Center. As a result, students will have an incentive to register for events, activities, and student clubs, as they will have a detailed certificate for extracurricular activities.

The Deanship of Student Affairs, KFUPM clubs, and the Student Success Center will obtain a summary report for all activities done in the academic year as all data is stored and integrated in a single database. This integration will provide an efficient and effective way and ease the process of storing and managing the data and provide more detailed information about all activities done in the university for future improvements in the quality of extracurricular activities. Therefore, it will provide significant value to KFUPM graduates as well as the Deanship of Student Affairs. Finally, KFUPM Extracurricular Activities Database will encourage students to participate in various types of nonacademic activities, which will give them a competitive advantage after graduation.

With this new design of the shared database having an enhanced ERD and normalized tables, the Deanship of Student Affairs should now be able to see how their system can be improved. The Deanship of Student Affairs, along with the Student Success Center will have a new developed database that combines all of the KFUPM activities in one shared place to make it simpler to gather all information for all staff. Moreover, students can keep a record of their joined extracurricular

activities such as volunteering and clubs. In addition, the new database will keep a record of the attendance of all student activities from clubs and Student Success Center. This will keep any allowance, belongings, and certificates in a report format so that all dues are served. This shared database will boost the power of the current system and will benefit the university in its academic and technical endeavors. Finally, it is important to note that the development of the database stems from our need (as students) to improve the functionality of our university's extracurricular activities.