# Project Proposal Form

**BSCS13 (AB) – Database Systems**

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| Project Title | **NUST SPORTS COMPLEX MANAGEMENT SYSTEM** |
| Description | INTRODUCTION Presenting our proposal for a Nust Sports Complex Management System. Our aim is to make managing memberships and accessing sports facilities effortless. With a focus on simplicity and ease of use, our system will transform how we handle memberships and track facility usage. KEYPOINTS : Following are some of the tasks that will be performed by our database:   * Identification of members holding gym memberships. * Identification of members possessing swimming pool memberships. * Documentation of members who have submitted registration fees for membership. * Classification of the type of membership card held by members (e.g., master card, family card). * Monitoring of members who have fulfilled their monthly registration fee. * Tracking of members who have submitted late fees for registration payments beyond the specified deadline (after the 5th of the month). * Maintenance of detailed records regarding entries made into the sports complex facilities. * Implementation of a verification process during each entry to ensure the membership status of members with respect to the facility they want to utilize (e.g., gym, swimming pool) * Facilitation of membership purchases directly through the database.   \_  **Business Rules:** \_  Some Business rules are as follows:   * Against one registration number there can only be one gym and swimming pool membership each. * The registration number is used as the primary key. * Card could only be activated after the new registration fees is confirmed. * Card must be deactivated if fees for a month is not paid, thus, renewal of membership will be required. |

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| **Project leader** | | | | |
| Name | | Muhammad Hunain Ashraf | | |
| registration # | | 463395 | | |
| Email | | mashraf.bscs23seecs@seecs.edu.pk | | |
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| Section | | BSCS-13B | | |
| **Team Details** | | | | |
| Member#1 : | | | Member#2 : | |
| Name | HASAAN HAMEED | | Name | ZAIN KASHIF |
| registration # | 454987 | | registration # | 458822 |