**Department of Computer Science**

Term Project Proposal, [Summer 2021-2022]

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| Course | OBJECT ORIENTED PROGRAMMING 2 | Group |  |

**Group Members:**

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| --- | --- | --- |
| Student ID | Name | Section |
| 20-44206-3 | TONMOY DEY | B |
| 20-44213-3 | MD. ABDUL MUNEEM ADNAN | B |
| 20-44237-3 | JOYDEP DHAR | B |

**Project Title:**

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| **Library Management System** |

**Project Description:**

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| * User 1 ***Admin***   + Add member.   + Edit member.   + Add Branch. * User 2 ***Librarian***   + Login (ID & Password).   + Add Publications.   + Add Book Details.   + Add student Details.   + Edit student Details.   + Issue Books.   + Edit Book Details.   + Stock Availability.   + Search Student.   + Penalty.   + Borrow book details. * User 3 ***Student*** * Login (ID & Password). * Search book Details. * Borrow Book. * Penalty Status. * Account details.     --------------------------------------------------------------x---------------------------------------------------------------- | | |
| **General Requirements**: |  |  |
| * At least 2 types of User. * Db Connection Class. * Normalized DB (2NF) * Desktop based App * Use of properties * Proper form validation | * Search Option for all users. * OOP Principles * Form Design * Proper use of access modifiers | * Database CRUD operations * All the Forms MUST be connected. * Login Form can only have ID & Password. * Exception Handling |

**Instructions:**

* Fill up *name, id, section, project title* and *project description* area.
* Specify how many **roles** are there in your system what are their **individual functionalities**.
* Please do not write anything for **GROUP** and do not select anything for **Requirements** section.
* Your project must fill all the requirements given in the requirement section.
* Only one member per group should **upload** the file.
* Only first page is required for your proposal submission. This page only contains instructions and example.

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