Institute of Information Technology

Jahangirnagar University

LAB Exercise 1: Prepare Problem Statement for Library Management System project.

Software Engineering Lab Exercise Report Submitted By:

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Lab Date: 16/11/2022

Submission Date: 21/11/2022

EXCERCISE NO. 1

AIM: To Prepare Problem Statement for Library Management System project.

REQUIREMENTS:

Hardware Interfaces
- Pentium(R) 4 CPU 2.26 GHz, 128 MB RAM
- Screen resolution of at least 800 x 600 required for proper and complete viewing of screens. Higher resolution would not be a problem.
- CD ROM Driver

Software Interfaces
- Any window-based operating system (Windows 95/98/2000/XP/NT)
- WordPad or Microsoft Word

PROBLEM STATEMENT:

The problem occurred before having computerized system includes:

• **File lost:** When computerized system is not implemented file is always lost because of human environment. Sometime due to some human error there may be a loss of records.

• **File damaged:** When a computerized system is not there file is always lost due to some accident like spilling of water by some member on file accidentally. Besides some natural disaster like floods or fires may also damage the files.

• **Difficult:** to search record when there is no computerized system there is always a difficulty in searching of records if the records are large in number.

• **Space consuming:** After the number of records become large the space for physical storage of file and records also increases if no computerized system is implemented.

• **Cost consuming:** As there is no computerized system to add each record paper will be needed which will increase the cost for the management of library.

OUR PROPOSED SYSTEM:

- **Improvement in control and performance:** The system is developed to cope up with the current issues and problems of library .The system can add user, validate user and is also bug free.

- **Save cost:** After computerized system is implemented less human force will be required to maintain the library thus reducing the overall cost.

- **Save time:** Librarian is able to search record by using few clicks of mouse and few search keywords thus saving his valuable time.

- **Option of online Notice board:** Librarian will be able to provide a detailed description of workshops going in the college as well as in nearby colleges