



PARSHVANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Data Science

Techno Library - Integrated Library System

Kashish Yadav (21107026)

Project Guide
Prof. Poonam Pangarkar

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1. Introduction

Problem Identified :

- Techno Library is a project which aims in developing a computerized system to maintain all the daily work of library which are performed manually.
- This project has features which are generally not available in normal library management systems.

Solution Proposed :

- Its main goal is to simplify and streamline the process of managing books.
- It will help to manage library-related tasks more efficiently.

2. Objectives

1. To operate a library with efficiency.
2. To save the time and resources.
3. To make the system economical.
4. To reduce the workload.
5. To provide easy system circulation using computer system rather than writing systems.

3. Scope

The different areas where we can use this system are :

1. Any educational institutes can make use of it.
2. It can be useful for Faculty.
3. Modifications can be easily done according to requirements as and when necessary.
4. Effective management of admins through login based control.

4. Feature /Functionality

1. Faster retrieval of information.
2. Privacy and Security.
3. Better and efficient service to members.
4. Reduces paperwork.
5. Accurate and integrating.
6. Develop a system that can generate all the books present in the database.

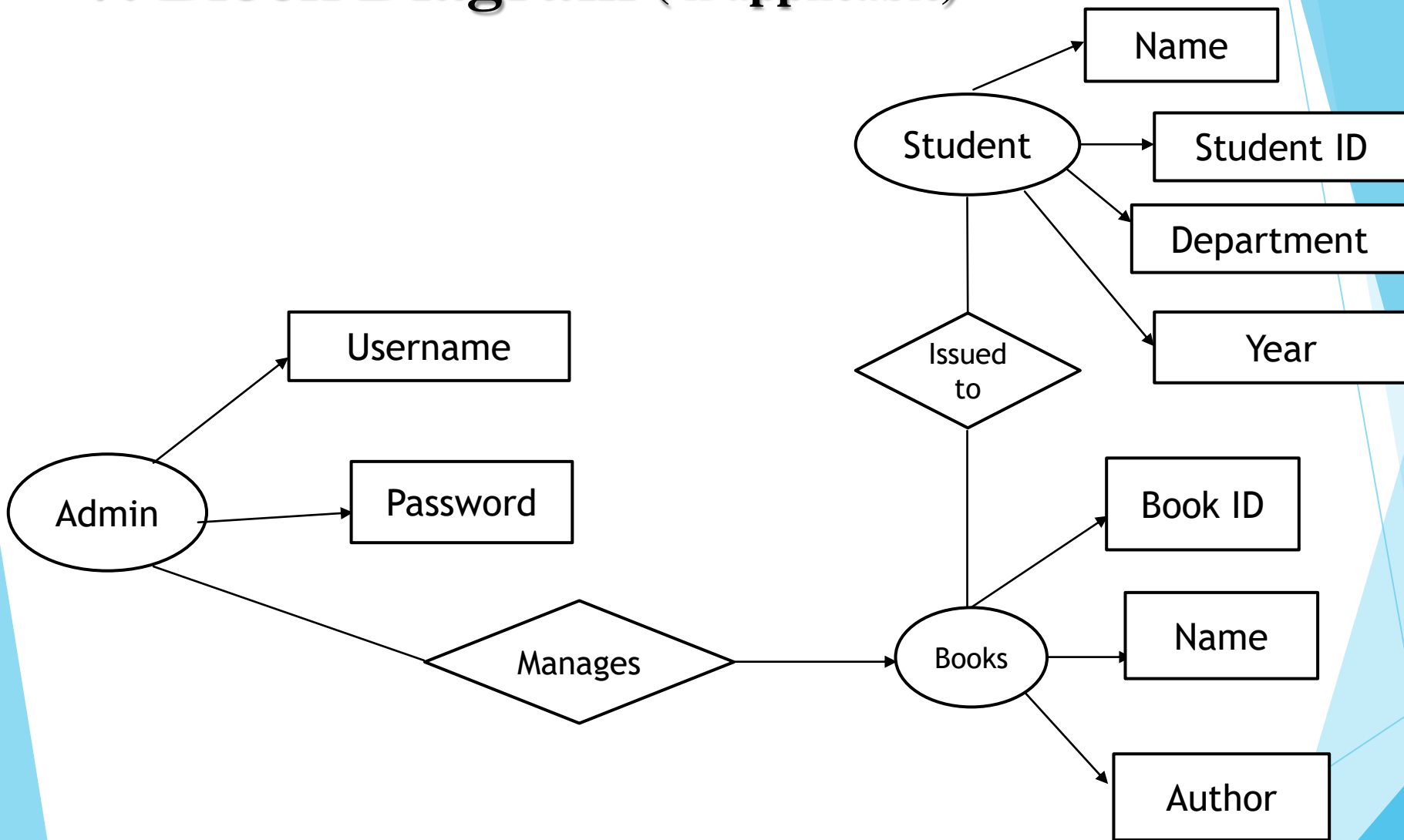
5. Outcome of Project

1. Admin can enter Username and Password
2. User can search for options available.
3. User can Add Books.
4. User can also Issue and View Books.
5. User can also Delete a particular Book.

6. Technology Stack

- Python Version 3.11.2
- Software used : PyCharm
- MySQL Version 8.0.32
- MySQL Database Connectivity

7. Block Diagram (if applicable)



Thank You...!!