Scholarship Management System

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Abstract:

A web-based program called the Scholarship Management System is used to administer several kinds of scholarships. The current manual system has been replaced with the user-friendly proposed system. As a result, less human effort and error will occur.

The purpose of the scholarship management system is to track the information of students who have applied for different scholarships. This facilitates locating the application and eligible student details. It is also feasible to choose eligible pupils based on their year. Both administrator preference and index-mark are used to choose eligible pupils. The administrator has the ability to change current scholarships, create new ones, and remove old ones. Additionally, it provides reports and store information for pupils who are qualified and those who are not.

Keywords **—Web-based program, User-friendly, Simple to use, Less error-prone, Reports.**

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I. INTRODUCTION

The project's objective is to computerize the organization's and colleges' use of the available scholarships. It is exceedingly challenging to oversee every task by hand. Numerous issues with information management, accuracy, etc., could arise. The current manual system has been replaced with the user-friendly proposed system.

PHP and MySQL are used in the Scholarship Management System. This initiative maintains a database of students and scholarships. The admin and users modules make up the Scholarship Management System.

Admin:

Administrators may quickly check the total number of new scholarship applications, the total number of approved scholarship applications, the total number of distributed scholarship applications, and the overall scheme in the admin module dashboard.

Scheme: The administrator can add, edit, and remove schemes in this section.

Application: The administrator has the ability to view and modify the status of student scholarship applications in this section.

Scholarship Bank Details: The administrator can check the qualifying students' banks here and distribute the scholarship funds.

Disbursed Scholarship: The administrator can view the disbursed details of the scholarships in this section.

Report: The administrator can examine scholarship applications and details of scholarships awarded over specific time periods in this section.

Scholarship Search: Using the application number, the administrator can look up scholarship applications in this section.

Profile: The administrator can make changes to their profile here.

Change Password: The administrator can modify their own passwords here.

Logout: The administrator can log out using this button.

Forgot Password: Using the registered email address and phone number, the administrator can reset their password in this section.

Users:

Dashboard: The user can quickly check the total amount of approved scholarship applications, the total amount of scholarships disbursed, and the entire scheme in this part.

View Scheme: The user can view the scheme that the administrator added in this area.

Application History: The administrator can examine their own scholarship applications in this section.

Profile: The user can make updates to their profile in this section.

Change Password: The user can modify their own passwords in this section.

Logout: The user can log out by using this button.

Forgot Password: The user can reset their password in this section by utilizing their registered phone number and email address.

A. The Objective And Area

The primary goal of the scholarship management system is to assist in automating every step of the organization's and institutions' scholarship applications process. Eliminating the constraints of the current system is the primary goal of the suggested solution. Computers are incredibly quick and resourceful devices that can handle a lot of data. It offers quality reports and registrations, to put it briefly. The Scholarship Management System aims to: • Reduce the amount of time that passes before scholarships are awarded.

• Reduce the quantity of paperwork needed

• Fast processing

• As computers should do the majority of the task, less work needs to be done.

• To make the annual reports available in a searchable database.

• Data duplication and unnecessary document flow will be removed; • Information will be easily accessible.

II. EXISTING SYSTEM

The current system is entirely manual, with all processes carried out by hand. Periodically, a variety of reports, registers, and bills are manually prepared. This requires a lot of paperwork, which causes time and storage space issues among other things.

Additionally, manual report preparation wastes both time and labour resources.

III. PROPOSED SYSTEM

Eliminating the constraints of the current manual approach is the primary goal of the suggested system. The suggested system is capable of overcoming the majority of the shortcomings of the current one. The suggested system's primary advantages are its speed and accuracy. Data redundancy does not exist. Searching time can be decreased because all the information is saved on a computer. Because computer systems are more secure, information may be more securely stored. The suggested approach offers data security and largely mitigates the shortcomings of the current system.

By adding automation and validation checks, the suggested system seeks to improve upon the shortcomings of the current manual approach, hence cutting down on errors and processing time. Among its benefits are:

Redundancy Reduction: By preventing redundancy, the system increases efficiency through a variety of validation processes.

Fast Data Processing and Access: The system handles data processing and offers fast information access.

Specialization: Compared to the previous system, the new system's primary focus is on cutting down on time consumption.

Paperwork Reduction: The system drastically lowers the quantity of paperwork needed by automating procedures.

The suggested system's feasibility has been examined from an operational, technological, and financial standpoint.

Economic Feasibility: By processing information quickly and accurately, the suggested system seeks to save time and minimize errors. Although there could be upfront expenses for hardware and software,

Technical viability: The system needs software like PHP and MySQL server as well as hardware like a printer. Technically, the system is possible if these conditions are fulfilled.

Operational Feasibility: In comparison to the manual approach, the suggested system is more user-friendly and processes information more quickly. The project becomes operationally feasible due to the operational efficiency that minimizes burden and enables prompt decision-making.

Implementations that are advised for data collection include:

Data Carriers: One of the main ways to get information is by using forms to get student information.

Interviews with key personnel: These interviews, which include the director of the external department, offer valuable insights into the scholarship awarding process.

Pre-made questionnaires are useful for obtaining information about software requirements and scholarship procedures.

Research: Further information is revealed by conducting research, including the standards and underlying factors for scholarship distribution.

In conclusion, the suggested system seeks to improve productivity, lower errors, and simplify procedures by automating tasks and conducting validation checks. This is bolstered by feasibility studies and a range of data collection methods.
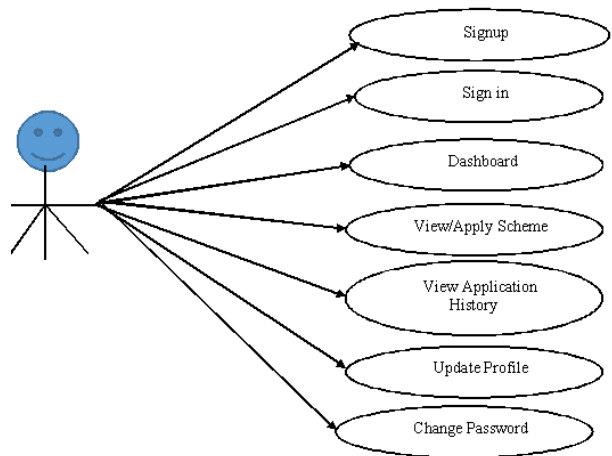
Observations: Examining the current system shows inefficiencies like a lot of paperwork.
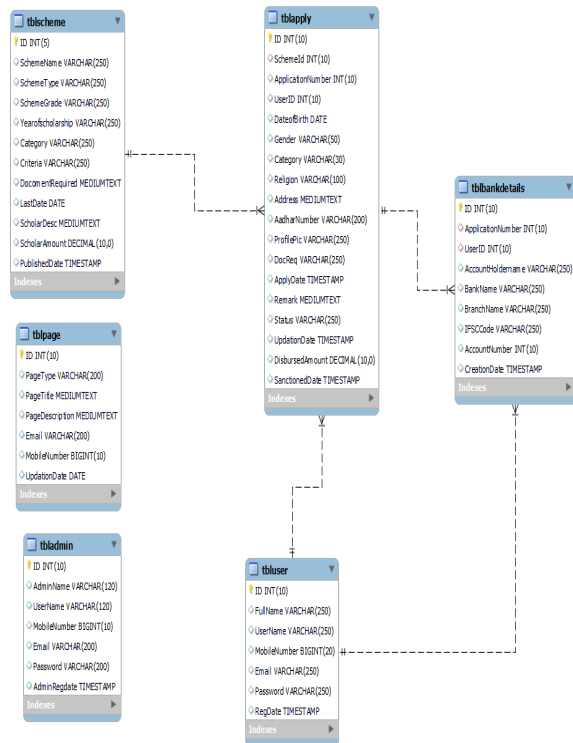
Use Case Diagrams:
Admin :
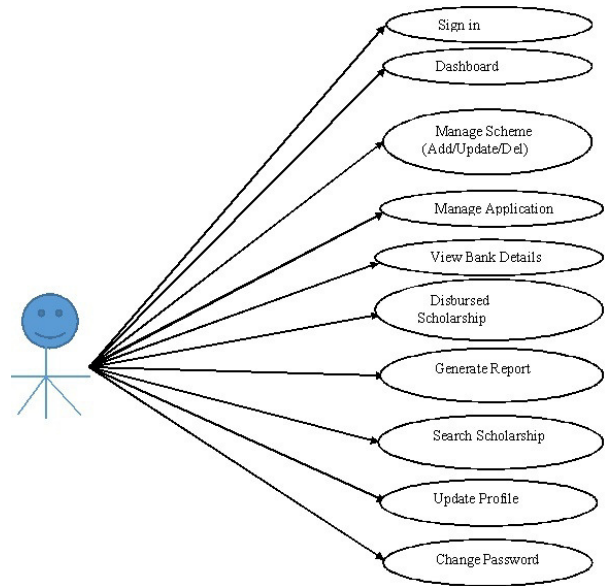
User :

Class Diagram:

A class diagram is a description of a group of objects with similar properties, functions, connections, and meanings.

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IV. CONCLUSIONS

The "Scholarship Management System" is being mechanized and automated with the help of this application, which will help the universities and organizations who offer scholarships to users.

Future modifications to the application can be made with ease because to its design. The project's development has led to the following conclusions.

• Productivity is increased when the entire system is automated.

• It offers a user-friendly graphical user interface that is superior to the current system.

• Depending on their permissions, it grants authorized people the necessary access.

• It successfully gets over the communication lag.

• Information updating gets a lot simpler.

• The standout characteristics include dependability, data security, and system security.

• There is sufficient room for future system modifications if they need