



NATIONAL UNIVERSITY
of Computer & Emerging Sciences

PROJECT REPORT

SCHOLARSHIP GRANT APPLICATION

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- **Introduction**

The Scholarship Grant System is a project designed to streamline the process of managing and awarding scholarships for students. This system caters to both administrators and students, providing a user-friendly interface implemented in Assembly language. The primary goal is to automate the scholarship allocation process and enhance the overall efficiency of the system.

- **Objectives**

The main objectives of the Scholarship Grant System are as follows:

Admin Features:

- Edit admin credentials.
- View the list of students.
- View the total budget allocated for scholarships.

Student Features:

- Input student ID for scholarship status.

- **System Architecture**

The system is implemented using Assembly language, providing a direct interface for the admin and students. The main components of the system include:

- **Admin Module:** Handles admin-related functionalities such as credential editing, viewing the student list, and checking the total budget.

- **Student Module:** Allows students to input their ID for checking their scholarship status.

- **File Handling:** Utilizes file operations to retrieve student information, and calculate their scores for granting the scholarship.

- **Calculation Module:** Performs backend calculations to determine scholarship eligibility based on predefined criteria.

- **Admin Module**

- **Credential Editing**

- The admin can modify their login credentials to ensure security and flexibility.

- **Student List Viewing**

- An option for the admin to view the list of students, providing insight into the scholarship applicants.

- **Budget Overview**

- The system displays the total budget allocated for scholarships, enabling the admin to manage financial resources effectively.

- **Student Module**

- **Scholarship Status Check**

- Students input their unique ID, and the system checks whether they qualify for a scholarship based on predefined criteria and backend calculations.

- **Backend Calculations**

The calculations module is responsible for determining scholarship eligibility based on predefined criteria. It considers factors such as father's income and percentage.

- **Conclusion**

The Scholarship Grant System is a robust solution that automates and streamlines the scholarship allocation process. It provides an efficient platform for administrators to manage credentials, view student information, and monitor the budget. Additionally, students can easily check their scholarship status through a user-friendly interface. The use of Assembly language ensures optimal system performance.

THANKYOU