University Admission Eligibility Calculator

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Introduction & Objective

- The University Admission Eligibility Calculator is a console-based program designed to automate and simplify the process of checking student eligibility for top engineering and technology universities in Karachi, Pakistan.

- It uses SSC, HSC, and Aptitude Test scores to determine eligibility, ensuring fairness and transparency.

Key Features

- • Data Input: Accepts SSC, HSC, and Aptitude test scores.
- • Eligibility Check: Determines eligibility for multiple universities.
- • Transparent Criteria: Displays eligibility criteria clearly.
- • User Interaction: Console-based, easy-to-use interface.
- • Customizable and Scalable.

System Architecture & Program Flow

- 1. Program Initialization: Welcome and menu options.
- 2. Data Collection: SSC, HSC, and Aptitude scores.
- 3. Eligibility Calculation: Weighted formula evaluation.
- 4. Display Results: Shows eligible universities.
- 5. Exit or View Criteria: User options to continue or quit.

Benefits

- • Automation: Reduces manual effort and errors.
- • Fairness & Transparency: Consistent criteria across universities.
- • Time Efficiency: Instant eligibility results.
- • Flexibility: Easy to modify criteria and add universities.
- • Simple User Interface.

Code Highlights

- • star() – Prints decorative borders for formatting.
- • gotoxy() – Positions cursor for structured display.
- • scanf() – Captures user inputs.
- • Eligibility Calculation – Uses weighted averages and if-else logic.
- • printf() – Displays results and feedback messages.

Future Improvements

- • Incorporate extracurricular and interview criteria.
- • Develop a GUI-based desktop version.
- • Create a web-based version for wider accessibility.
- • Mobile App integration for on-the-go eligibility checking.

Conclusion

- The University Admission Eligibility Calculator automates and standardizes admission eligibility checks, saving time and ensuring fairness.
- It sets a foundation for a transparent, efficient, and modernized admission process.


Thank
You!