Online Result Computation System

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Overview and Project Aim

This project is to design and develop a web-based result computation system for Niger State Polytechnic, Zungeru (System that allows 5 user access roles) to automate the manual process of computing students' examination Scores. The primary aim of this project was to eliminate some of the setbacks in the manual system and to improve the institution academic and administrative decision-making process, to input student records, courses records and exam scores by importing the data through an excel file in .cvs format, then generate a result in broadsheets including visual analysis.

Initial Design Stage

A functional prototype of the proposed system was developed; with low technology implementation using materials like pen and paper to sketch the look and feel of the proposed system and high technology implementation using a prototyping software called indigo studio, for interaction, and dynamic features like navigational links and buttons.

Development

Agile methodology was adopted as the software development methodology. PHP, HTML, CSS, JavaScript and MySQL are the language used for scripting and communicating with the database. The requirements for the development of the system where gathered from online review and prototype evaluation.

Result

The tests conducted on the final system yield a consistent result in terms of functionality. The result of the tests showed that it was not frustrating and less demanding in both mental and physical efforts required to perform the tasks of computing students result. In less time they were able to import scores and generate results including the analysis.