Result Analysis of Choice Base Credit System

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***Abstract*— For educational measurement processes test and result analysis of annual examination based on the university exam of student. This system is mainly based on the database technology and the Choice Base Credit Based system. In this Paper the exam result of each subject is calculated grade wise. This Result analysis is based on new credit based system. This system is developed for analysis of the MSc (Computer science) result. The exam has two parts: Internal exam and external exam. Depending on marks of internal exam and external exam calculate the marks. This gives the statically analyzing of student result and final shows the grade of student. This system use Microsoft ASP.Net for developing this application; this application is useful for storing student's information and annual result in the database and shows the student performance. The main goals of this paper are to find out if the grades have had to decline during the years and to evaluate, reliability power of the test.**

Keywords*— *Choice Base Credit System, Examination, Result Analysis

I. Introduction

This is computer based system for result analysis .College got the result from university in PDF form .This system generate the report in document form which we can easily edit and update the result which makes the dynamic changes. The PDF format is very difficult to modify and requires the use of the complex software. To simply put, system is provide the result analysis report for the credit based system. It is very much essential to implement result analysis system in higher education System.

The main Goal is to analysis of student result as per the credit base system calculate and analysis grade wise.

II. Credit Based Result ANALYSIS SYSTEMS

Being at the beginning stage of the credit based result analysis Systems, computerization of the student result analysis is tedious task. The main reasons for using computer base result analysis system are to calculate the individual result, college result and to find out the first three topper ranker. In other words, Credit Based Result Analysis Systems increase effectiveness and efficiency by saving time.

This systems support not only Result analysis but also in adaptable to changes, and are helpful to cope with the demands for change. That is update and edit information about student result and own information of student.

III. Literature Review

The design and implementation of this maintain student information. It replace the current paper records. User access grade wise marks.[1]

Cumulative Grade Performance Index (CGPA):

An up to date of an overall performance of student from the time he/she enrolled in the university is obtained by calculating a number called cumulative grade performance index. It is calculated in . CGPA is responsible to reflect final pass or fail status of student.

CGPA=C1g1+C2g2….Cngn/ C1+C2…..Cn.[2]

We improve the way result analysis providing rich functionality. Our wraparound services provide value-added information and support for data, security, storage and implementation.[3]

User able to directly access all aspects of a student's academic progress [4]

IV. Proposed System

Record of student Result analysis done and efficient management of huge data and store the information of student and result in database. It provides the result for credit based system in very user friendly manner not making very complex.

The system reduce the manual efforts feature of system is that it aims at improving and easing out the work of the existing system in very sophisticated way. The technology is rapid able to generate store and display the result .it calculate the marks is based on university rule with the information from database.

The subject Applied is Regular form which is assigned by the university Therefore, in this research, the exam tests used in these subjects are analysed and their characteristics are discussed..The structure of the test is

described along with the scoring and grading system. The exam has two parts, internal exam and external exam.

The test is scored and the total possible score is 100 Marks. The minimum amount of Marks necessary for the internal examination is25 marks and for the external 15 and its total must 40. The grading system uses seven grades: 100 – 75 points is a Outstanding grade, 74 – 64 points is a very good i.e A grade, ,64– 55 points is a good i.e B grade, 54 – 50 points is a Average i.e C grade, , 49 – 45 points is a satisfactory i.e D grade. , 44 – 40 points is a pass E grade, 39 – 00 points is a Fail F grade.

A) Internal Exam -

The test is divided into different section which contains following part.

1) Seminar presentation.
2) Research paper
3) Assignment
4) Open book Test
5) Internal Test

B) External Exam: This part is taken my university. This exam carries total 50 marks.

For calculation of final result

$P = S\,sum / S\,max$

Where *S*sum is a total number of obtained scores of all students; *S*max is maximum possible amount of score.

V. FEATURES

- Simple and easy to use.
- Reliable.
- Scalable solution which maintain large number of student record.
- Supports the entire student lifecycle from enquiries maintain record of the grades, and use.

VI. TECHNOLOGY USED

This system makes use of the following software is made using very basic programming languages and includes:

- Microsoft ASP .Net(Framework 4.5): Front end.
- SQL-Server: as database language
- HTML: at front end

ASP.NET is a set of technologies in the Microsoft .NET Framework for building Web applications and XML Web services. ASP.NET pages execute on the server and generate markup such as HTML, WML, or XML that is sent to a desktop or mobile browser. ASP.NET pages use a compiled, event-driven programming model that improves performance and enables the separation of application logic and user interface. ASP.NET pages and ASP.NET XML Web services files contain server-side logic (as opposed to client-side logic)

I)Working

The Choice Base Credit System aims at developing a marks grade wise generation system that will automate the distribution of student result mark sheets by generating mark sheets. This system makes use of the following software is made using very basic programming languages and includes:

- Microsoft ASP .Net(Framework 4.5): Front end.
- SQL-Server: as database language
- HTML: at front end

We have generated the Result by fetching of marks of the students from database. Calculation of the grades, credits, grade points of each subject and Grade Performance Index of whole semester considering the entire subject of student is calculated.

- Also determined the calculations for verification and evaluation of marks for special cases (ordinances for grace marks in case of failure as per the university rules). We have generated Grade Performance Index which depicts the final result of the students in particular semester Display of Final Performance of the student in terms of Pass/Fail.
- • Generation of mark sheet for individual student for particular semester by fetching data from database and calculating the credits, grades, final result in terms of pass/fail.

II) Screen Shots

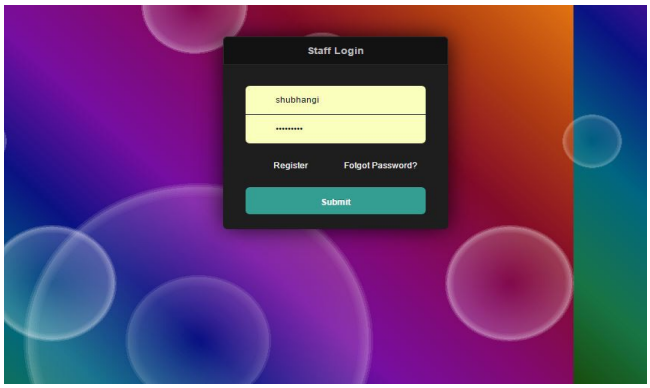

Figure 1: Login

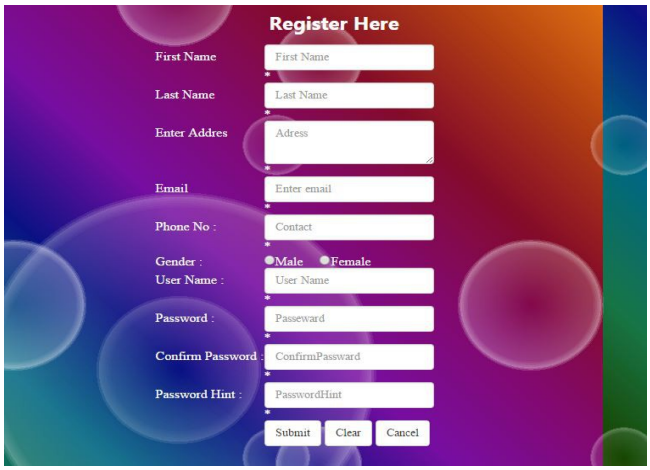

Figure 2: Registration of User

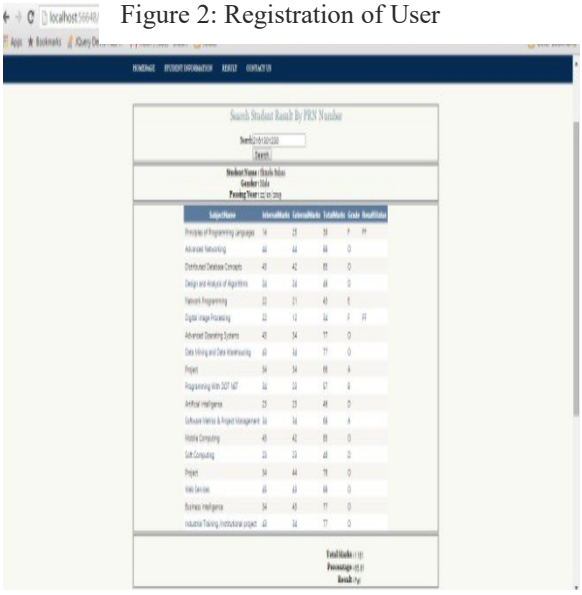

Figure 3: Students Individual Marks

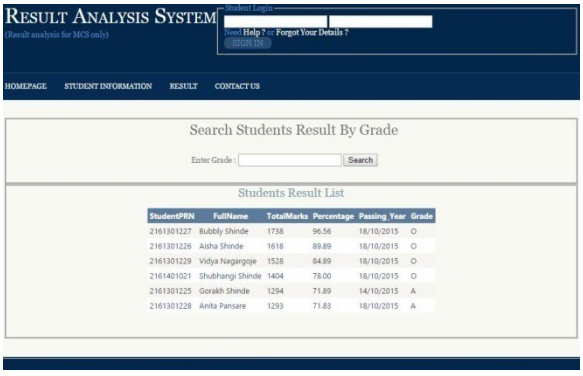

Figure 4: Search Screen: By Grade

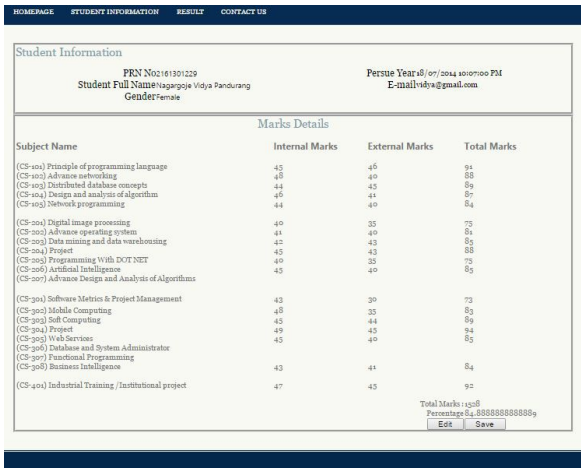

Figure5: individual student marks, percentage, student detail information and grade whether student Pass/Fail.

VII. Advantages

- More data reliability
- More data integrity
- Can be easily understood

VIII. Limitation

It does not give the graphical representation of the result. It only calculates the grade wise result of the student. And also does not give the graphical representation for individual subject result.

IX. Conclusion

The system has been successfully completed. The goal of the system is achieved and problems are solved. The package is developed in a manner that it is user friendly and required help is provided at different levels. Analysis of the scoring system it shows by the grade wise result of individual subject and final result also display grade wise .depending on its range of marks.

The project can be easily used in college for college result analysis of student. It reduces time which required for manual calculation.

This system helps to calculate result fast so it optimizes the manpower.

X. Future Enhancement

Graphical representation can be added.

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