Student's Performance Calculation Tool for NBA

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Abstract— Student's Performance Calculation Tool will be used to analyze the result of the student [result is declared by the Board]. This application/tool will require a PDF copy of the result. The main purpose of this tool/application is to find out the exact count of the fail student, ATKT students, students without ATKT, pass student. The administrator will register the client/staff member with the details given by them. Once the client/ staff member is registered, [for security purpose] username and password will sent on registered email_id. User can upload the PDF file, data will extract from the file. The extracted data will converted into excel format. The data will analyze. Our Application creates a result in Excel format as well as in Graphical Form i.e Bar Graph.

Key words: NBA

I. INTRODUCTION

This document shows result analysis from pdf file. The pdf file is just readable file when the board declares the result then it is hard to analyze this file and categorized this result in the department wise and class wise result of the student. In this project, we are going to analyze the result year wise, subject wise and department wise. This system will be developed for analysis of the board result of the student. Depending on marks of internal exam and final board exam calculate the total marks acquired by the student. This gives the statically analyzing of student result and finally shows the first class, second class, and fail student list of student. As well as result subject wise and the in a particular department. We are going to calculate the placement result and higher education result.
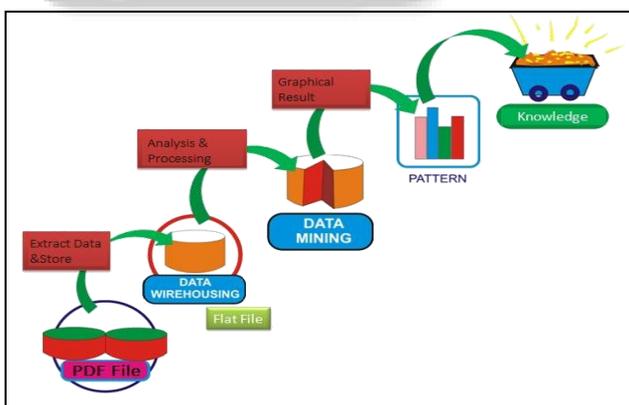
II. FLOW MODEL

Fig. 1: Flow Model

III. MODULE IDENTIFICATION

After careful analysis the system has been identified to have the following modules:
1) Registration Module
2) Login Module
3) Upload PDF and Extract Data Module
4) Analysis Module
5) Excel Sheet Result Module
6) Graphical Result Module

IV. MODULE DESCRIPTION

A. Registration

In this module, a new user can register his / her details for accessing this product. Once they are registered or if they already have an id and password, they can enter through the login portal and can access the application. New Users details are stored in the database and the existing details are obtained from the same for checking at the time of login. The user details are automatically added to the admin's address book during the registration itself.

B. Login

This module enables the user to access the application. In this module, the registered user can get access to perform this operation.

The user has to login to the module for the rest operation.

C. Upload PDF and Extract Data:

This module is a very important module in the application. The user has to insert the PDF file for calculation of the result and analysis of the data. The PDF file is extracted into the database then it is converted into the excel sheet.

D. Analysis

This module is designed for the analysis of the result. It gets the data from excel sheet which is converted from the PDF file. This module calculates the number of students in different categories such as students who are all clear in all semesters, students who have the ATKT, students who are selected in the placement etc.

E. Excel Sheet Result

This module returns the analyzed data in form of excel sheet.

F. Graphical Result

This module returns the excel sheet result in the graphical form. This helps the user to analyze the progress of the students. The user can observe the progress result of the students and the progress of the department. This helps to improve the progress.

V. LITERATURE SURVEY

We have referred the NBA self-assessment report and we have found out that staff had to add record manually. This is a time-consuming process. Record which we have to insert include the passed students, ATKT student, placement details etc. We proposed the system minimize the efforts required to do the self-assessment by creating a web portal which will take a pdf has input and will complete the criteria 4 on one click of a button.

VI. CONCLUSION

Our main aim through this project is to reduce manual work, to provide an efficient way of handling the data.

Administrator or Staff can analyze the data easily with very less effort which will help to reduce the time and will lead to high chances of accuracy. It will also monitor continuous improvement.

REFERENCES

[1] www.nbaind.org/files/diploma-sar-final-v1.pdf
[2] iiti.ac.in/people/~tanimad/JavaTheCompleteReference.pdf