PARINAM: ADVANCED AUTOMATION RESULT SURVEY PORTAL FOR EDUCATIONAL INSTITUTIONS

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Abstract : The popularity of computers and growth of information technology has been quickly improving in the application of IT, hence much reform outlook to field of education. PARINAM is not only about the view and analysis the results, but also way to presents the performance of student of all previous semester in creative manner at least time. This advanced web application will be used to analysis results on various ways for colleges/branches. In this web application administrator manages users like colleges and its branches for different module access and permission to particular user. Parinam is an imaginative way to examination of results and give the generated report and graph of all analyzed results. This web application is very useful for improve the performance of colleges and time consuming who ever use manually sheets analysis methods. This web portal gives the flexibility to register college and departments of particular colleges. In addition, give them permission to access different modules. Colleges and branches can analyze academic results by different ways like college wise, branch wise, class wise, subject wise etc. Moreover, they can check their past results and their all semester progress graph.

1 INTRODUCTION-

The project PARINAM: Advanced automation result survey portal for educational
institutions is developed by Web framework using YII 2.0 with Eclipse as the software used for front end and MySQL for the back end. This web-application deals with all kind
of student's results analysis for college departments. It tracks all the results of students
from uploaded data which can be used for all reporting analyzed progress report and chart
for all semesters. This project can encourage us investigate all the student progress into every semester in the college, even faculties can identify which student need to work hard
for next semester upon progress report, the current status of all students and distinctive reports and Queries can be produced based of limitless choices related to students for the entire college.

Hence, to beat this in this in this project we have utilized Ajax, JQuery and Bootstrap, by

using Ajax there is no necessity to refresh the full page so the additional time expended for reloading will be optimized. By using JQuery we can factorize the code. Furthermore,

we have utilized Bootstrap so it will be compact to all gadgets.

This portal gives the flexibility to register colleges and departments. And give them permission to access different modules. They can analyze academic results by different

ways like college wise, branch wise, class wise, subject wise etc. And can also check their

past results and their semester progress graph. In this web application students can see

their academic results.

This website runs as the front-end and Admin Panel is involving important duties to manage the website content and all the activity. Administrator is authorized to add new colleges, modify, view, add Branches under colleges, modify, remove and view, active, deactivate login accounts and give role and permission for each module. The Registered User module: User can view results; can do college result analysis like Analysis all branch, class, subject and generate report and graph.

EXISTING SYSTEM:

In the existing system analysis of students result done by paper work so sheets involves more space and the management is not in a right way. It needs more time to look the understudy come about as a result of sifting the lines and sections. In this, survey of the result is also difficult for department and students. In existing system colleges and departments cannot generate graphs and report related to all previous semester. It will take lots of time to generate the all analyzed graphs and reports of students result.

PROPOSED SYSTEM:

In proposed system data handling is fully computerized, and this reduce the by hand work. We have used AJAX where it will not refresh the full page, it will refresh only which part is necessity and data was sent from one module to another module through normal array in existing system and here we will send by JSON using AJAX so data passing faster compare to existing system. For user side designing, we used bootstrap with sass and it will be easy and jellify with other device.

A new concept is used for Database that called RBAC database in proposed system. Where, we do not necessity to create different module for different role. Using RBAC database we can assign particular modules and permissions to role so that roles can access authorized modules and permission in web-application.

DATABASE DESIGN-

An entity-relationship (ER) diagram is a drawing representation of data system that shows the association between employees, objects, events, concepts or tasks within that system.
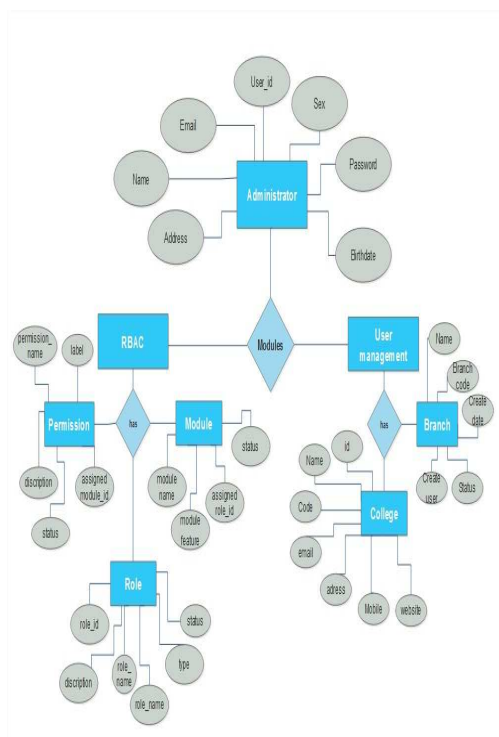

Figure 1: ER Diagram

CONCLUSION

PARINAM goal is to analyze all results of student to improve the performance of the institution. This web-application has various parts like add-user, view-all-users/other information, analysis results, generating report and progress graph of all result etc. In this

PARINAM gives students result analyzed report and graph to the colleges/departments so

that colleges/departments can improve strategy for teaching. In this web application portal allows authorized users like college and branches to access particular modules. Here principal can analyze all branch student results and branch can analyze particular branch student result analysis. Users can interact with administrator and can get access privileges to access the whole web application and can analyze students result like branch wise, class wise, subject wise and view all student results.

The application should be able to give access authority to the principal so that principal

can watch over all departments and can analyze all results of every department and generate the progress report and graph of every department.

Reference :

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