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A Review on 100-point Activity

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Abstract: *The activity point programme specifies that for engineering student to graduate he/she must earn100 points over the course of 4 years by performing the activities under community services specified by the guidelines from AICTE. It is difficult for faculty advisor to keep track of monitoring and awarding the points, to aid this we are trying to develop a module that automates the complete system. The portal which we develop will be used by the student to login and submit the activity while the faculty advisor will look through it and award the activity points. Also, it makes the proof of activities done by each student safe in its database.*

Keywords: PHP, HTML,100-point activity, activity major head

I. INTRODUCTION

A part from technical knowledge and skills to be successful as professional student should have excellence in soft skill, leadership qualities, team spirit, entrepreneurial capabilities and societal commitment. In order to nurture these qualities, AICTE has introduced activity points to be earned by the student during their academic stay. All students have to earn minimum of 100 activity points. As all of these activities are recorded manually till now a software need to be develop so that all the hectic work of maintaining paper work can be reduced which helps to store and maintain activities gained by all the students. The suggested system has whole data regarding the activity of student such as activity performed and points earned. faculty need to approve the activity so that student get points. These statistics will be stored in the database. This application can be effortlessly used in any educational institutions. In private and government educational institutions also, it can be implemented. Activity management application is a web application that means it is easy to access and easy to control from anyplace and at any time. So, activity management is uncomplicated application to the end user. Maintaining data is difficult and hectic work for the faculty. This system helps both student and faculty to maintain easily by updating their profile after every activity they perform.

II. LITERATURE SURVEY

The GTU 100 Activity Points system will help students to record and view the points they have earned based on the activities done during the academic term. To use the system, you need to select major head of activity first, then select sub-major activity head. Based on the selection made, you need to select the level of activity you participated. At last, enter the name of college where you participated and date of the event. Submit it. In the Result menu, you will be able to see the score you acquired for the activity you participated for. The system will do following calculation for you:

- Calculate points for an activity
- Calculate maximum points you can earn under a particular category.
- Calculate minimum points you can earn based on the entry in B.E. Course.
- The system will consider the highest score of any level for the particular activity.
- The system will calculate total year of points.

Other than this there is no such system introduced yet.

III. SYSTEM DESIGN

This system is designed using xampp server. The front end is designed using HTML and CSS supported with back end using PHP.HTML provides the structure for the pages where as CSS is used to provide attractive GUI. PHP is a

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general-purpose scripting language that is especially suited to server-side web development where PHP generally runs on a web server code is embedded into the HTML source document. Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content. It can also be used for command-line scripting and client-side GUI applications. PHP can be deployed on many web servers and operating systems, and can be used with many relational database management systems (RDBMS). It is available free of charge, and the PHP Group provides the complete source code for users to build, customize and extend for their own use. MySQL is a relational database management system (RDBMS) that runs as a server providing multi-user access to a number of databases. MySQL is a popular choice of database for use in web applications and is an open source product. The process of setting up a MySQL database varies from host to host; however, we will end up with a database name, a user name and a password. Before using our database, we must create a table. A table is a section of the database for storing related information. In a table we will set up the different fields which will be used in that table. Creating a table in phpMyAdmin is simple, we just type the name, select the number of fields and click the 'go' button. we will then be taken to a setup screen where you must create the fields for the database. Another way of creating databases and tables in phpMyAdmin is by executing simple SQL statements. We have used this method in order to create our database and tables.

IV. CURRENT SYSTEM

The current system calculates the points earned by the student, it also has maximum points can one earn in that main head, it keeps record of student and points earned for 4 years of their B.E course

Problem:

- Less number of defined activities.
- It doesn't notify if the activity is not approved.
- Points defined only for winning and participation not for conduction.
- No student manual for activity list.

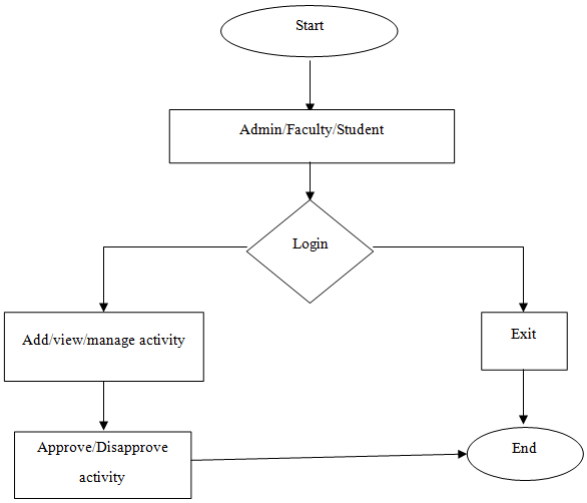
V. PROPOSED SYSTEM

In our system we have categorized the activities and has many defined activities. We have also given permission to reset the password if forgotten with security by providing one-time password.

Advantages of our system are:

- Points have been allocated for winning participating as well as for conduction.
- Student will have a manual with activity list and points.

VI. DATA FLOW



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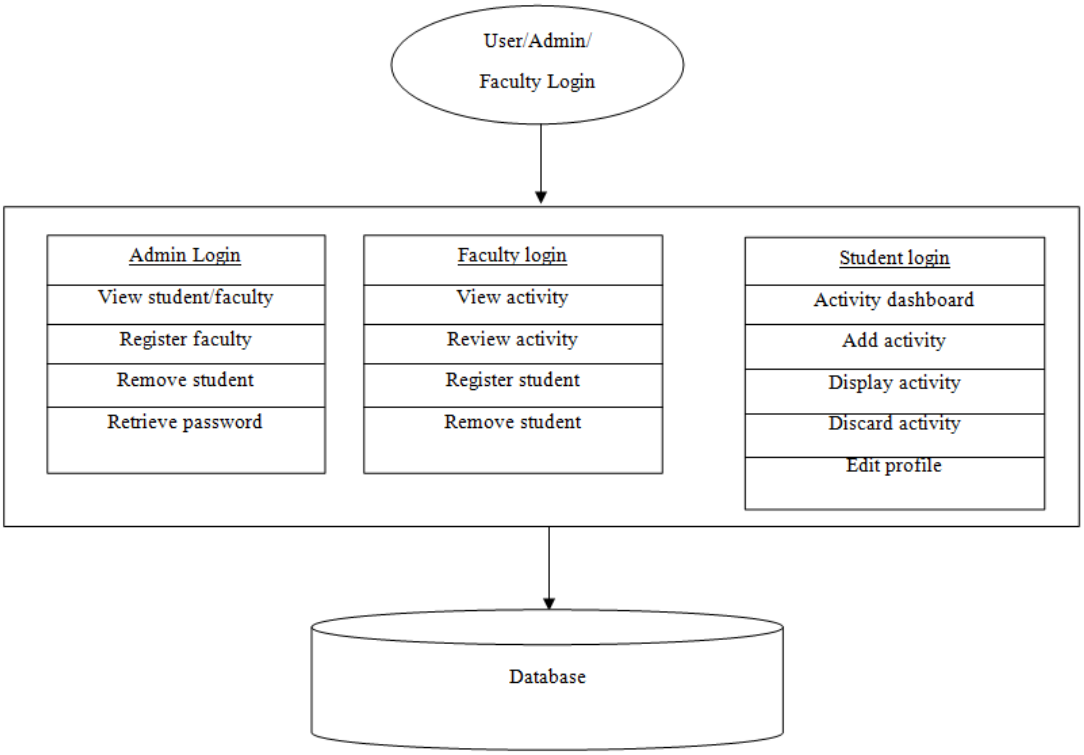
Above figure shows the dataflow diagram. Based on end user necessities as well as the thorough investigation on current system we have suggested a system that satisfies user requirements. Initially admin will be going to login to the system. Once he successfully logged in, he will be able to register faculty. Admin may be head of the department and he will give access to faculties by registering them. Admin have the privileges to view/edit the details of both students and faculties. Faculty will be going to log in to the system, he needs to register all the student under his guidance, then student will be able signup and login themselves under their faculty. Faculty can view all the students under his guidance. Faculty can list student according to status of activity i.e. Pending, approved and rejected. If any pending activities, faculty can then open and approve or disapprove it. If in case student details added is wrong then faculty can remove the student.

Next mode of login is student. Students have to visit to the portal and need to provide the respective details, after that student will be registered. Once student login he can see a dashboard which will display all activity major heads with earned and remaining points under them. Student can add activity by selecting the major head after which he will accordingly get sub-heads and activities. He needs to give description with minimum of 100 words about the activity and mention the date. After which he can able to see how many points, he may earn by that activity. Student also need to meet the faculty offline so that certification need to be verified, this is because student should not edit the certificate of others and submit. If student feel any activity, he added is wrong he can also discard it. If student wants to change the password, he needs to edit his profile where he gets all his details which cannot be changed, only he can change his password, if in case he lost his password in login forget password helps him and he will get OTP to his email so that he can change his password.

VII. STRUCTURAL DESIGN



Above figure shows the structural design of the 100-points activity system. Users will login to system. If the logged in user is an admin, he will be able to register the faculties in the system, admin can only have the complete privileges on the system. He can view all the student and faculty, if he found any wrong details then he can also remove student and

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faculty. If faculty lost the password then faculty can approach admin to retrieve the password. When faculty login to the system he will be able to view activity performed by student which are pending to approve, he can also review activity of student. Faculty will register student only under their guidance, if there is wrong in updating of student then he will be removed by the faculty. When student login to system he will be to see activity dashboard, add activity ,discard activity and display all activities he had done . Student will change his profile by editing, once profile updated it cannot be change for further 30 days.

VIII. CONCLUSION

This System is very useful in an institution or in college or in universities. There is no paper work in this proposed system. Supervision can be done from anywhere. This project especially minimizes human effort necessary. This application is handled by the college so there is no information leak and data will be secured. Since it is a web-based application anyone can use the system anywhere at any time and it is very easy to get the necessary information without the latency. Since this application will be handled by the college whenever they need any changes in an application, they can make it without the upfront investment, and the system will be more secure when it is handled by the own college.

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