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Placement and Academics Android Application

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Abstract: ***Academics and Placement Cell is a crucial part of any educational institute, in which the work till now is being done manually. The placement officer has to inform around hundreds of students and placement related activity. So to make the placement process easy and effective for the placement department as well as the students, an android application can be developed.***
It is an application that provides integrity of placement cell and academics .It includes a feature of providing information regarding companies and upcoming job fairs. This application provides efficient way of filtering the list of students based on the criteria of the campus drive.
The main aim of the application is to reduce efforts of placement officer in case of filtering the eligible students and reduce user efforts of browsing for any new job details. Our application will be helpful in better management of placement and academics related activities.
Keywords: Academics, Placements, Students.

I. INTRODUCTION

On the whole, android applications either deal with placements or academics. Very often students fail to balance between placements and academic associated activities. Existing applications do not come up with integrated platform which deals with placements, and academics.
Often there has been difficulty in shortlisting qualified students depending on the company's requirements, and updating academic activities like exam schedules, technical /non-technical competition, etc.
This application has two modules namely placement and academics which assists students. It includes a feature of providing particulars about job fairs, study materials of respective courses, creating list of eligible students based on company's standard.
This application consists of admin who maintains database and application. Coordinators are allowed to access and upload details appropriately in their respective modules for users' assistance. Only registered students can access the data.
The application notifies users about the particular events like exam details, upcoming companies, shortlisted students, time tables, internal schedule, etc. through notice board.
Login credentials include username and password (which is generated by the admin) and sent to the users via mails. By using these login credentials one can have their account in this application. This provides security regarding each individual's private details which cannot be misused.
This application assists to reduce the efforts of placement officers and academic coordinator by providing easier way of acknowledging students with the regard of placements, external and internal exams, study materials, extra-curricular activities, etc.
This application will be helpful in faster and better management of placement and academic concerned tasks where the coordinators need not waste their time for announcements and issuing circulars to each and every class.

II. PROPOSED APPLICATION

Earlier, in manual system the process has been lengthy, time-consuming in collecting required details of students, placement activities, issuing the study materials, updating timetables and examination schedules. Along with these there were few other things where manual intervention wan carried out of such as circulating the information regarding the training, placements information, academic details that have to be announced to students in each class. This process of conveying and passing the information has always been time-consuming and exhausted activity. The current existing applications do not have an integrated platform which deals with the placement, and academics.

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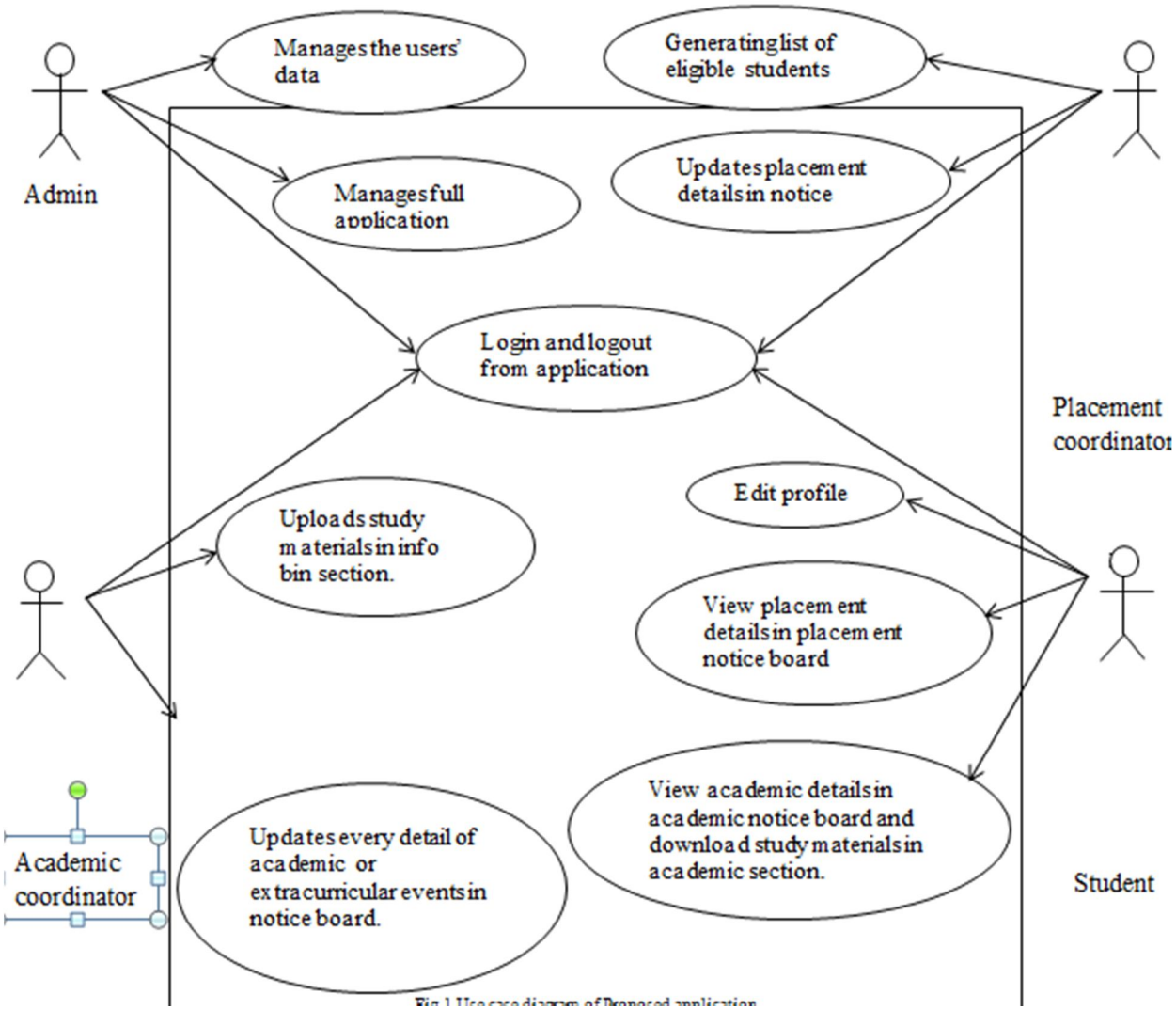


Fig 1 Use case diagram of Proposed application

The methodology of the proposed application

The proposed application provides an integrated platform for placements and academics. It mainly consists of four modules namely, administrator, placement coordinator, academic coordinator, and student.

Administrator gathers and maintains the database of students and coordinators. The coordinators and students need to register in order to login into the application through a id and password provided by the administrator.

The administrator, coordinators, and students need to enter the proper id and password to login into the application. If the entered id and password doesn't match with the database, the login will be failed.

Once the students get registered, they can login in to the application. After successful login, students will be provided with options as edit profile, placement, and academics.

In placement module, the coordinator can generate list of eligible students just by entering the marks required for eligibility criteria and clicking on generate list button. Placement coordinator updates every detail regarding placement activities in the notice board of placement module.

Academics coordinator is responsible for providing details about upcoming events, and other academics related information in the notice board of academic module. Academic module also provides facility for coordinators to upload study materials of respective subjects.

Only coordinators have both read and write access whereas students only have read access towards the uploaded details or study materials.

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As the student logs in, he/she need to update their profile by providing all the necessary credentials. The students can edit their profile through a edit profile option. Placement details updated by placement coordinator can be viewed by student through notice board of placement module. Academics part of student module has two options, i.e., Information bin and notice board. Information bin contains study materials uploaded by academic coordinators, which can be accessed and downloaded by students.

III.RESULTS

The application titled, "Placement and Academics Android Application" which is proposed will help in reducing manual work performed by the respective faculty/coordinators for managing placements and academic performance. This application offer, specific functionality of shortlisting eligible students for placements, providing the required study materials, and displaying of any new updates associated with placement details and/or academic activities.

IV.CONCLUSIONS

The proposed application overcomes the drawbacks of manual procedure by an automated feature of shortlisting qualified students based on the company's conditions. We have been using individual applications for placements and academics. The existing applications lack the integration of placements and academic modules.

Hence, this application deals with both placements and academics which in turn benefits the three different set of people (placement coordinators, academic coordinators, and students).

The main objectives of the application are time reduction, reducing manual efforts, and updating the students with the latest information related to placements, academics, extracurricular activities, and so on.

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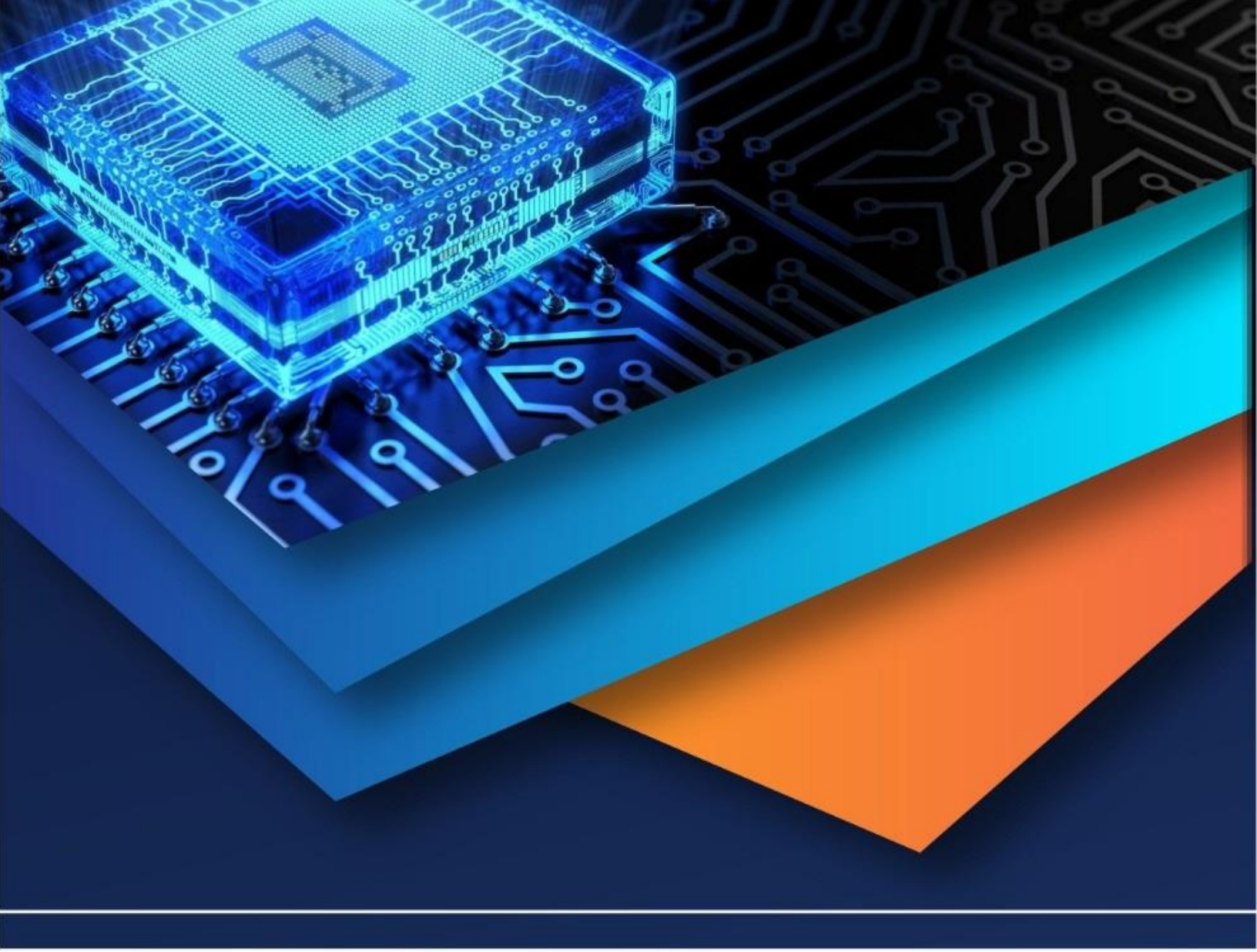
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