

FACULTY MANAGEMENT SYSTEM APP USING ANDROID

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ABSTRACT

The “FACULTY MANAGEMENT SYSTEM APP USING ANDROID” project is aimed to develop an online leave management system which is important to an organization. It is a new concept that is being developed for any organization to maintain leave records of faculty. This application can be accessed throughout the organization or a specified department. This system can be used to automate the workflow of leave request and their approvals. There are features like approval of leave, cancellation of leave, details of faculty. At anytime and anywhere employee or a staff of the particular organization can apply their leave using this application. The main aim of this application is to reduce time, paper work and to provide portable system for an organization.

KEYWORDS: Faculty, Android, Leave, Organization, Portable.

I. INTRODUCTION

In the existing system related to leave management, leaves are maintained using the attendance register for staff. The staff needs to submit their leaves manually to their respective authorities. This increases the paperwork & maintaining the records becomes tedious. Maintaining notices in the records also increases the paperwork. The main objective of the proposed system is to decrease the paper work and help in easier record maintenance by having a particular centralized Database System, where Leaves and notices are maintained. The proposed system automates the existing system. It decreases the paperwork and enables easier record maintenance. It also reduces chances of Data loss.

II. METHODOLOGY

1. Admin Module

Figure 1 shows administrator module. In this module admin will maintain all the faculty details, faculty leave record details, HOD leave record details in the database. Admin can delete user details. Administrator will handle all the aspects of database. Admin will send password to user via normal text messages if user forget password.

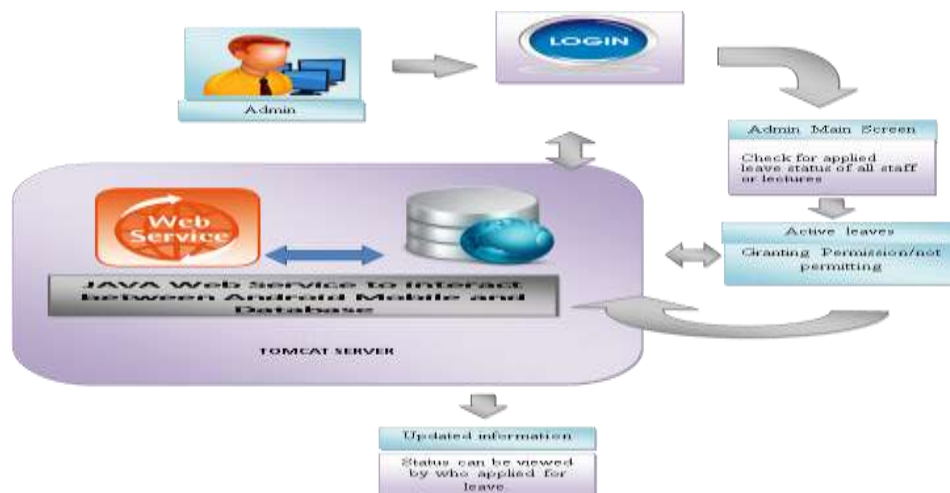


Fig-1: Admin Module

2. Faculty Module

In this module faculty will register their information like name and all the details if he/she is new user as shown in Figure 2. Faculty should log in to their account and update leave information. They should respond to the notification by sending reply to higher authorities. Faculty will login by username and password created by them. Faculty enters the required number of leaves. Faculty also enters the reason for applying the leave. Faculty requests the other faculty to engage his class. Faculty leave request is sent to HOD. All the data will be stored in data base system such as faculty details and leave information.

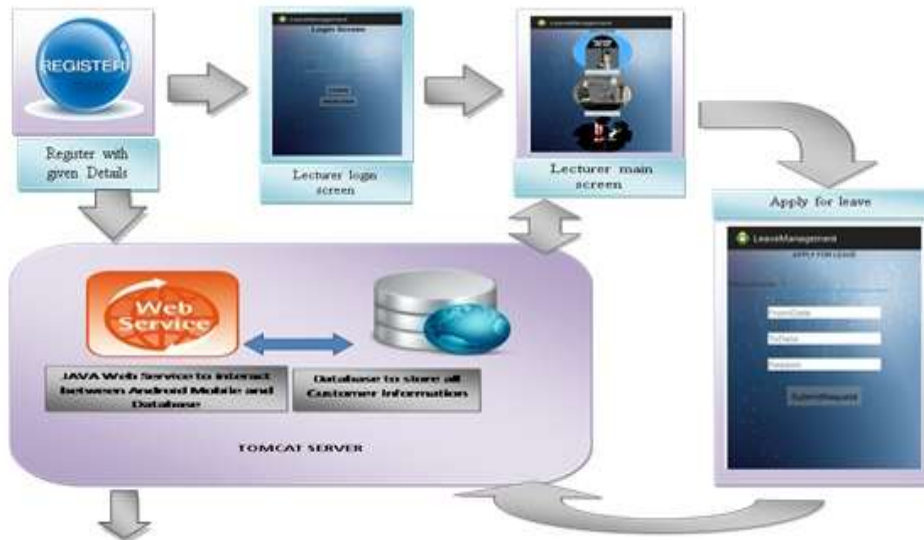


Fig-2: Faculty Module

3. HOD Module

Figure 3 shows HOD module. HOD module is given more permission. He can approve new user as valid user. He can also view information of department's faculty leave information and take action based on the reports. HOD can approve leave through this application and he can view leaves information of every individual. In this module HOD can easily manage classes schedule for that day. HOD logs in to his/her portal. HOD will get the notification about leaves requested by faculties. HOD sanctions the leave based on the valid reason. If HOD cannot sanction leave then HOD will send message to principal. HOD sends details about applied leaves of faculty to principal.

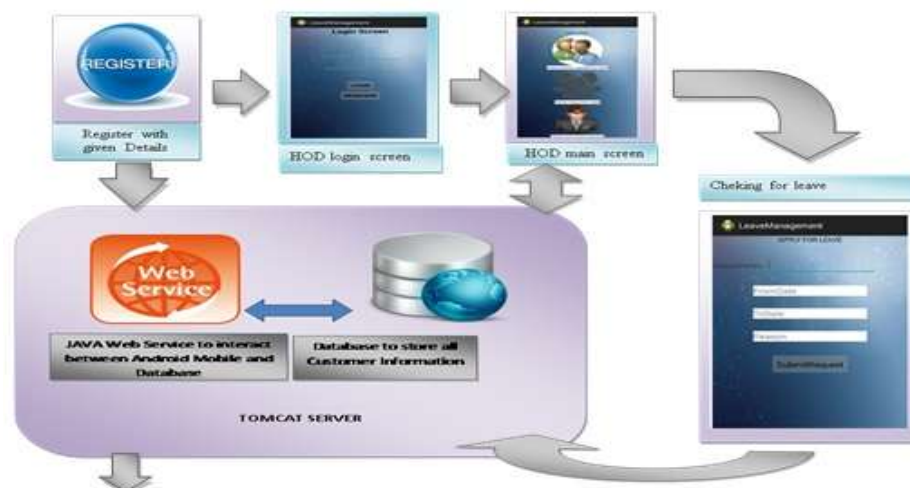


Fig-3: HOD Module

4. Principal Module

As shown in Figure 4 principal module is given less permission because everything is controlled by HOD for their departments and principal has to just monitor whole organization and look after HOD leaves. He can only view leave information and messages which is send by HOD. HOD will send department’s faculty leave information and all the details. Principal takes action based on the reports. Principal can send the action report to HOD. Principal logs in to the principal portal page and checks all the details. Principal approves/disapproves the leave request.

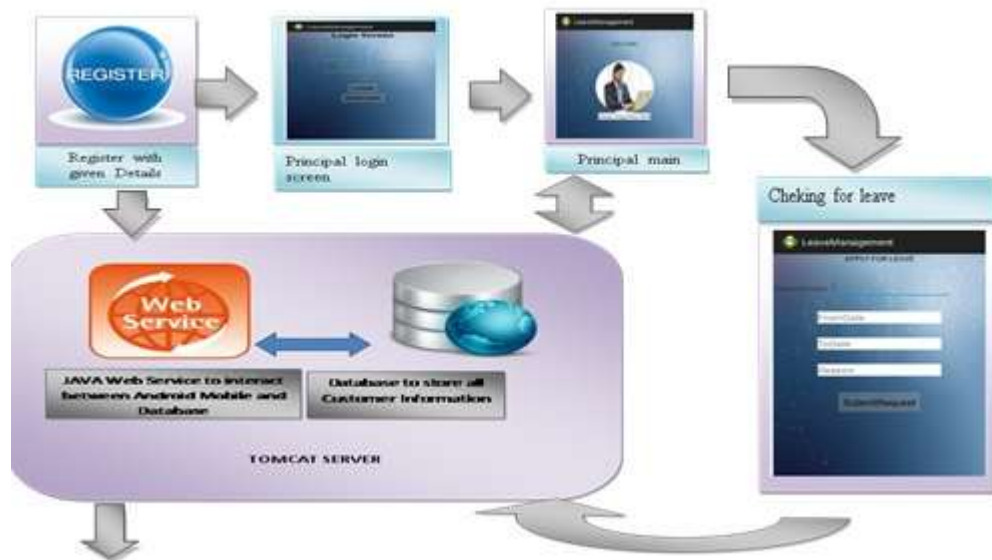


Fig-4: Principal Module

III. RESULTS AND DISCUSSION

As the title says, the result of “Faculty management system app using Android” is of extreme use to any organization. The faculty can check their leave status anytime from the comfort of their homes. This can be done through our system. Faculty can apply leaves and HOD can accept/reject leaves based on their previous leave history. Principal can apply/reject HOD leaves based on HOD previous leave history. Admin can access to the database and he can add or delete users.



Fig-5: Login screen



Fig-6: Registration screen



Fig-7: Admin page



Fig-8: HOD Page



Fig-9: HOD page



Fig-10: Principal page

IV. CONCLUSION

In this paper, we have presented an application that can be adapted in any organization. It is very secure as we have provided OTP for every login and HOD authenticates for every faculty login. i.e. HOD will ensure every user as a valid user. The information is stored in a database and only the admin can access it; he/she will provide a password if any user forgets it. We further conclude this as a useful application and it can be used to reduce time and complexity in work.

V. REFERENCES

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