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An Android Application on Faculty Leave Automation System

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Abstract: Faculty Leave Automation System is gone for building up an application through which an instructor or worker will most likely apply leave consequently. It is an intranet based application that can be gotten to all through the association. This framework can be utilized to robotize work process to leave demand and their endorsements. There are highlights like endorsement of leave, crossing out of leave, keep up leave records in this framework. The enlisted individuals are to be a representative or a staff of that specific association. At whenever and anyplace representative or staff can apply their leave utilizing this application. There is no need for manual filling of leave structure and hold on to get higher authority signature. With the assistance of this application the staff can likewise see the past leave connected by them. The leave solicitation will be sent to the higher authorities of the association. In everyday life manual support of leave record wound up troublesome. The benefit of this application is usability. The principle point of this application is utilized to lessen the time.

Keywords: Faculty, Leave automation.

I. INTRODUCTION

The objective of the project is to automate the leave management system through an android application. With the help of this project the employee or faculties of particular institution can apply leave online, the leave application future referred by the head of the departments in which one can approve or escalate the application of leave. Admin will update all the details in the application where each faculty can see their previous applied records and remaining leave records. The workflow for this application is designed in such a way that the leave system generates the notification to the respective users. This application sends a confirmation notification for the requestor and sent for the other faculty to handle the class who is free during that time. An automated application provides the staff or employee a better way for scheduling and managing a leave records. The existing system increases the manual paper work which consumes lot of time for the leave applicant and wait for the signature of higher officials.

A. Background

In the current administrative work identified with personnel leave the board, leaves are kept up utilizing the participation register for the staff needs to present their leaves physically to their particular specialists. This expands the administrative work keeping up the records winds up dreary. Keeping up notification a the record additionally builds the administrative work. The fundamental target of the proposed framework is to diminish the desk work and help in simpler record upkeep by having a specific database framework, where leave and notification are kept up. The proposed framework mechanizes the current framework. It diminishes the administrative work and empowers simpler upkeep. It likewise diminishes odds of information misfortune. The application essentially contains the given modules 1) Admin module: In this module administrator will keep up all the worker subtleties, it additionally ascertains representative leave records.2) Faculty module: In this module, staff will enlist their data like leave endorsements. Individuals should sign in to their record and update data. 3) HOD module: In this module, Head of the Department will have authorizations to care for information of each employee of their area of expertise. HOD can support leave through this application and he can see leaves data of each person. 4) Principal module: Among the whole modules key module is given more consent. He can see data of each division's workforce data. Guideline can see data like employee's leaves, participation and notices including Head of Departments.

B. Motivation

The Faculty leave Automation System executives framework is to lessen the manual administrative work and simpler record upkeep by having a database for leave support. The Faculty leave the executives framework diminishes the over work and time length. Subsequently this framework keeps up the overabundance leave balance done by the school to keep up the leave however in this period of leave application need to endure part of issues and conventions for the endorsement of leave. It gives simple, kept up and orderly condition for higher board for endorsement of leave.

II. PROBLEM DEFINATION

Faculty leave automation is one of the application which allows a faculty to apply leave through their android system and maintains leave records. This system will provide an acknowledgement for conformation of leave to the leave applicant and also sends a acknowledgement to the faculty to engage the class who is free during that particular period.

A. Scope Of The Project

The Scope of the project is limited to several processes such as handling of faculty leave application, managing leave balances, acknowledgement for confirmation of leave, acknowledgement to the faculty who is free for particular period to engage a class. Reports for leave acceptance or leave rejection. The Faculty leave management system is designed in such a way that makes it possible to access it through any android system. since it is designed for the faculty leave application and apart from teaching, non-teaching ,head of the departments and administration departments no one else can use this application for applying leave.

B. Objectives

1) To design and develop an automated system which replaces the traditional manual paper work for filling the leave application form.
2) To maintain the faculties academic leave record and reduces the data loss.
3) To send an automatic confirmation acknowledgement message to the leave requestor.
4) To send an order to the faculty to engage the class who is free during that particular hour.

III. RELATED WORK

A. Description

Looking at the people assets is part of leave management. For managing and automating the leave application process and to maximize the productivity of the institute. To overcome that problem an implementation of faculty leave automation system(FLAS) application is required. FLAS system will help in saving time and reducing manual work. Staff will be empowered and engage with more input and control over their work life. Through FLAS one can quickly build the workflow and processes. The powerful flexibility features keep employees current and compliant, even as rules and regulations change.

1) Pros
a) To give quicker worker administrations and online access to different data of the representatives with appropriate security instrument.
b) Accurate information.
2) Cons
a) The entire procedure of the framework is associated with appropriate versatile system.
3) How To Overcome Those Problems
a) As internet is required throughout the process one can fail in carrying it because of some network issues so we will try that our system should work without the internet access.

B. A Leave Automation Survey

A survey conducted at Ballari Institute of Technology and Management.

Link: https://www.surveyheart.com/form/5cc152bd52d5c647a845aa9e

IV. DATA AND METHODOLOGY

A. Existing System

Staff Leave the executives is essential human asset undertaking and one that influences all resources. Most associations have very much characterized leave arrangements that are passed on to resources. However, the human asset is saddled with authoritative administration of leave and refreshing of leave adjusts. Resources also discover it a try to need to fill paper structures and pursue them up with affirming. A lot of costly workforce time is squandered in an extremely fundamental procedure of giving and accomplishing leave.
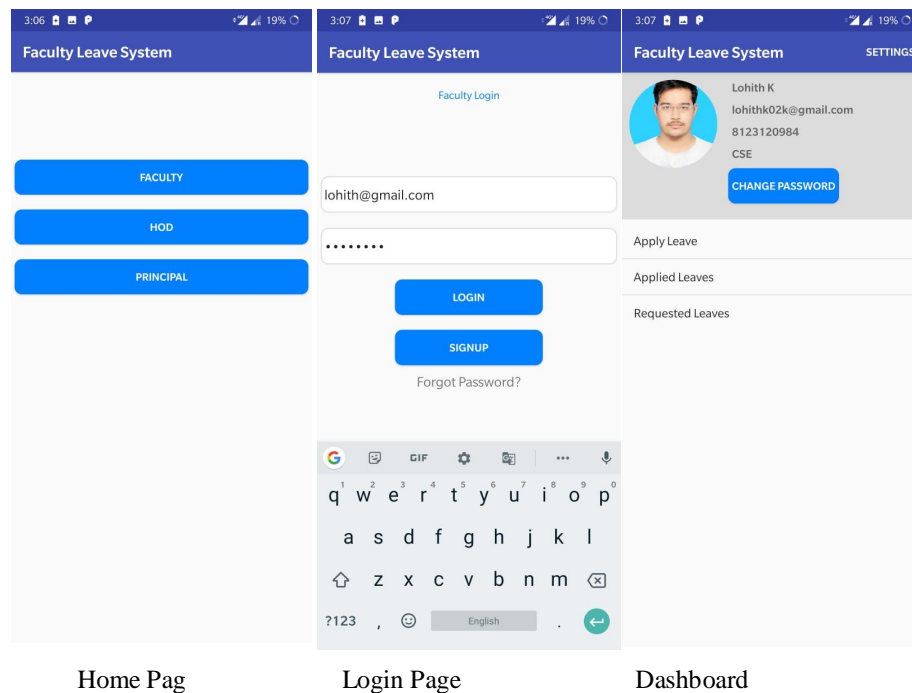
B. Draw Backs of Existing System

1) Requires manual paper work for filling leave application form.
2) Time is wasted.
3) Lack of accuracy.

C. Proposed System

The proposed system overcomes the existing system by automating leave management system and to manage the leave records of all the faculties by having a database for leaves. It is easy to maintain and its user friendly too. It reduces the manual paper work for applying a leave and saves time. Also this system sends a messages to both one for the requestor confirming their leave and another for the staff to engage the class.

V. RESULTS AND DISCUSSIONS

Home Pag   Login Page   Dashboard

VI. CONCLUSION

On implementing this project, which is user friendly and provides secure leave application comes into an existence. Faculty Leave Automation System is very useful for faculties for easier application of leave as well as for institutions to maintain the leave records of the faculty which reduces the data loss. It overcomes the existing system manual filling leave application form and wait for the signature of the higher officials and searching for the faculty who is free during that hour and informing them hence it increases the time, whereas proposed system will overcome all existing difficulties and reduces the time.

REFERENCES

[1] Android Developers, A website proving the resources for the Android application development, http://developer.android.com/guide/index.html.

[2] Shoewu, O. O. M. Olaniyi, and Lawson (2011), "Embedded Computer-Based Lecture Attendance Management System", African Journal of Computing and ICT (Journal of IEEE Nigeria Computer Section), 4(3):27 – 36.

[3] Kumbhar, A. A., Wanjara, K. S., Trivedi, D. H., Khairatkar, A. U., & Sharma, D. (2014). "Automated Attendance Monitoring System using Android Platform.", International Journal of Current Engineering and Technology, Vol. 4, No. 2, pp1096-1099.

[4] Rehman S.U Smart agent for automated E-commerce UK IEEE pp.124-128, 7-10 7-10 Nov.2011, School of information system, Computer. Math, Brunel Univ, Uxbridge.

[5] Macro Andre Guerra, Claudia Mariline Francisco, RuiNeves Madeira, Portugal "Portable Lab: Implementation of Mobile remote laboratory for Android platform", an IEEE paper.

[6] Shraddha Chauhan, Mangesh P. Girhale, Gunjan Mankar IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p-ISSN: 2278-8727Volume 10, Issue 3 (Mar. -Apr. 2013), PP 48-50 www.iosrjournals.org.

[7] Reto Meier, "Professional Android 2 Application Development", ISBN: 978-0-470-56552-0, Paperback, 576 pages, March 2010.

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