A Wi-Fi Enabled Android Smart ID System with Fingerprint Authentication

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ABSTRACT— In this paper, we plan a framework that takes employees attendance and the attendance records are kept up naturally in an association. Utilizing smart phones like Android Technology the association will have the option to gauge participation effectively by our structured versatile application. The principle objective is, on a keen participation framework where an android gadget will be utilized as a savvy ID card. Likewise, the whole working
spot will be a Wi-Fi zone. Along these lines, the association or detachment of the android gadget(Smart ID card) to the switch will decide if a worker is available in the working spot or not. A counter will be there into the framework to tally the aggregate sum of time a representative spends in the working spot. The top-level plan of the framework incorporates stamping participation with the assistance of a unique mark sensor module and the remote correspondence innovation of advanced mobile phone empowers the data to move from the present customer to a remote database server, any place the system extends is accessible. The versatile application we have endeavoured to construct will require interfacing with the web through Wi-Fi (Wireless Fidelity) innovation. In the first place, a representative should be enlisted in the unique mark sensor module and the switch. Representatives will initially need
to pursue this and afterward, they can enlist their participation by first signing in with the assistance of a cell phone to the server. In this application, new representatives subtleties can enlist, erase data about a specific worker, alter some data and so on.

Keywords— AES, Android, Fingerprint sensor module, Smart phones, Web Server, Wi-Fi, Mobile application.

I.INTRODUCTION

These days, nearly every institution or organization uses very basic methods for tracking attendance and recording working hours. affiliation. Usually, there are two types of the accessible attendance framework.
1) Manual; 2) Automatic.
The framework for the manual comprises the application of paper or book pages when recording attendance, the employee conclude, and managers give the order for precision Because sheets could get damaged or lost, this method might be flawed. Furthermore, the extraction of relevant data as well as the handbook The computation of working time is extremely tiresome. It requires an extra employee to Verify the worker's status and the timing of various workers, which includes overhead costs for the organization. Biometrics are defined as any ensuing quantitative, potent, and specific physical characteristics or unique quality that can be used to identify a person or validate the assertiveness in a person's personality.
Furthermore, it is the science and[1] invention of verification through the estimation of individuals' physiological or characteristics of behavior. An unusual digit impression scanner will be used to

SELECTIVE IMPUTATION TECHNIQUES IN RECOMMENDER SYSTEMS

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ABSTRACT:

The swift advancement of information technology has led to the emergence of online businesses, where things are sold through multiple websites. Recommender systems assist users in choosing worthwhile products. Sparsity is the primary issue with such a system. We suggest a preprocessing mechanism in this paper. and two techniques are applied to impute missing data before the optimal technique is chosen based on time complexity.

Keywords: Imputation, Singular Value Decomposition, Principal Component Analysis, Recommender System, Collaborative Filtering

I. INTRODUCTION:

The use of computers and other communications technology for data transmission and manipulation, usually within the framework of a business or other entity, is known as information technology. An analytical technique called data mining (DM) aims to glean valuable information from vast volumes of data. It covers a range of strategies, including preprocessing, and supervised and unsupervised learning techniques. A recommender system gives users recommendations for products to buy. Another name for this kind of system is a suggested system. Generally speaking, recommender systems can be divided into three categories: content-based, collaborative filtering (CF), and hybrid. There are two types of collaborative filtering systems: item-based and user-based.

The ratings provided by users in a user-based CF system are shown as a (M x N) user-item matrix, the elements of which are the ratings provided by M users for the corresponding N items. The user-item matrix is often sparse. This paper has been organized as follows. Section 2 discusses the related works in detail. Section 3 discusses about data format, row elimination, column elimination, and imputation of missing values. Section 4 discusses the experimental results. Section 5 concludes the analysis. Section 6 specifies the future enhancement.

II. RELATED WORKS:

Basic ideas including data format, CF methodologies, CF tasks like recommendation and prediction, similarity measures, and evaluation metrics utilized in the CF system were
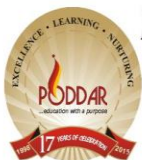
AN OVERVIEW ON FINANCIAL MANAGEMENT TECHNIQUES FOR ORGANIZATION EFFECTIVENESS

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ABSTRACT

The goal of financial management is to maximize equity shareholders' wealth. While any business's primary goal is to maximize profits, financial management places greater emphasis on allocating profits to equity shareholders. Planning, managing, arranging, and controlling the company's financial resources is known as financial management. Any financial manager's biggest task is to possess in-depth understanding of the acquisition, distribution, and administration of company funds. Any organization's ability to succeed hinges on its ability to manage finances effectively. The focus of this study has been on the different financial management strategies. The information is gathered from data and secondary sources. The document improves the quality of financial management information and gives the reader a comprehensive understanding of the key ideas and methods covered in the field.

Keywords: Finance, procurement, management, efficient, organization, knowledge, wealth.

1. INTRODUCTION

Any business's lifeblood is its finances. Every entrepreneur's goal in the past was to increase profits and grow their company. However, given the current business environment, a company's ability to survive largely rests on how well its stakeholders are doing. The longevity of a business is contingent upon the contentment of all its stakeholders. Therefore, in recent years, financial management has become more and more important. Finance managers possess extensive training and are well-versed in the most recent approaches and strategies to be used in the company's financial operations. The financial managers are able to make the best decisions on the appropriate use of the company's funds thanks to the variety of financial management strategies and procedures employed in this study.

THE DEVELOPMENT, EVOLUTION, AND CONTRIBUTIONS OF HUMAN RESOURCE MANAGEMENT

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ABSTRACT.

The Studies confirm that without placing a high priority on human resource development and management (HRM), a high-performance organization (HPO) cannot exist (HRD). Nonetheless, HRM and HRD haven't always been paired well. The progression of HRD from its foundation in human knowledge transference to HRM and current HRD operations shows that organizations' now need to concentrate employee development on flexibility, innovation, and capability due to increased environmental, social, and political pressures. The review that follows demonstrates how crucial HRM and HRD are to organizational leadership. Additionally, the literature reviewed establishes a strong correlation between the qualities of an HPO and the competencies imparted via efficient HRM and HRD cooperation.

Keywords: high performance organization (HPO), human resource management (HRM), human resource development (HRD)

I. Introduction

Every business activity, from financial transactions to operational choices and beyond, is centred an organization's most valuable resource: its people. Therefore, human resources bear a large portion of the blame for an organization's success or failure (de Waal, 2007; Haslinda, 2009). Human resources have worth, but this is not always fully acknowledged. Actually, hiring, paying employees, and the legal aspects of workforce management are often the extent to which human resource development