LITERATURE SURVEY

Paper 1
Title: Application for Predictive Recommendation and
Visualization of Personal Expenses

Authors: *1Darsh Shah,2Sanay Shah,3Ritik Savani, 4Dr. Bhavesh Patel, 5Ashwini Deshmukh*

Methodology: Every day in our lives we have a tendency to invest in distinct styles of things. A massive quantity may be remembered and additionally helps in the very last tallying of the costs and earnings. But the smaller costs pass unattended and people small quantities eventually lead to a massive amount of cash being misplaced or spent . As a result, A overall comprehension of man or woman budget is getting progressively extensive because the regular human beings disposable earnings has dwindled due to a converting monetary atmosphere .For the nice OCR results, a couple of schooling and checking out photographs could be required with guide efforts to accurate the textual content fetched from the receipts without a fix/established format. In assessment to the numerous gift apps to be had at the Play Store and AppStore for iOS, we described a few base parameters primarily based totally on their certain evaluation with the add-on of the prediction fashions to set itunique withinside the market. In the view of our proposed software, we want to keep in mind sure measures to choose the nice MachineLearning set of rules to study the rate styles of the consumer and are expecting the rate or price range of the consumer and recommend him for the nice approaches to minimalize the costs for higher savings. In Table no 1, Apps numbered 1 to five are apps which might be highly used globally via way of means of numerous customers and don't have an Indian origin. Whereas apps numbered 6 to twelve are incredibly used apps amongstIndian Users. The diverse parameters noted at the pinnacle of the desk facilitates us to decide what drawbacks of which existing machine does our proposed software overcome. After the evaluation, we discover that none of the prevailing structures have a prediction machine as we endorse while numerous apps don't offer

shortcut and indicators to the consumer to go into the ordinary expenses from time to time.

Advantages: The diverse parameters noted at the pinnacle of the desk facilitates us to decide what drawbacks of which existing machine does our proposed software overcome. After the evaluation, we discover that none of the prevailing structures have a prediction machine as we endorse while numerous apps don't offer shortcut and indicators to the consumer to go into the ordinary expenses from time to time.

Paper 2
Title:Utilization of QR Code for Tracking Digital Expenses
Authors: Farhan Putra Salsabil1, Gerardo Axel Lwiantoro2, Gregorius A. N. Aditantyo3

Methodology: In this study, an statement is carried out to find the issue that may assist someone to manipulate their personal expenses. The concept of this technique is to outline the technological family members in non-public economic management.In addition, to discover how a ways the modern implementation is and the way a ways can make use of the era for sure needs.QR code is used on this technological technique because its reputation and functionality in storing numerous sorts of data compared to barcode. In addition, the safety facet of theQR code is likewise better. For that reason, the QR code is used for non-public functions together with handling economic expenses digitally. This is to facilitate the consumer due to the fact it is able to be done by truly scanning the QR code with out the want to input expenses facts manually.

Advantages: The person then must choose to continue to maintain so the statistics may be driven to the neighborhood database. After that the set of rules will display all the prices listing withinside the ultimate month so the person can take a look at the expense history.

Paper 3
Title:A Novel Expense Tracker using Statistical Analysis
Authors: *Muskaan Sharma1, Ayush Bansal2, Dr. Raju Ranjan3, Shivam Sethi4*

Methodology: An exhaustive literature survey on associated topic suggest that in advance monitoring became carried out manually.These matters had been finished in an antique faculty manner you can say much more likely in a pocket book or copybook those things were written as consistent with the willingness of someone in simple phrases you may name is as "The pretty manually stuff". Then after that they have got calculate the entire expenditure on the quit of the month or week and a report is generated towards the expenditure in comparison to the preceding month or information related to that. So, they face a positive hassle that time.

Advantages: This observe suggests the evolution in addition to the contrast from selected researches in line with the followed know-how in it.This paper shows a few powerful modifications that are still wished and why the transition is necessary.

Paper 4
Title: Daily Expense Tracker
Authors: Shivam Mehra, Prabhat Parashar

Methodology: Daily Expense Tracker may be accessed from an internet browser, including Google Chrome or Mozilla Firefox,bearing in mind a transportable paintings environment. The software consists of all of the capabilities of digitally preserving the records with a few appealing visible illustration and photographs of your spending or even removing the need of bodily entries via way of means of offer voice instructions. This net software commonly is evolved the usage of React Jsas the framework and additionally makes use of its libraries like fabric Ui, chart.js to feature and create the functionalities.ReactJS is a declarative, efficient, and bendy JavaScript frontend library for constructing reusable UIcomponents. It is a, element-primarily based totally front-give up library and is to be had freely to all of us that is responsible only for the way the software seems or the view layer of the software. The goal of ReactJS is to make it feasible for builders to broaden User Interfaces (UI) without difficulty via way of means of dividing it into diverse additives and additionally to develop fast systems.

It makes use of digital DOM (JavaScript object), which complements performance and the overall performance of the app. The JavaScript digital DOM is quicker than the traditional DOM. We can use ReactJS on each customer and server-facet in addition to with other available frameworks. It makes use of element and statistics styles that enhance clarity and enables to maintain and adjust large apps.

Advantages: It makes use of element and statistics styles that enhance clarity and enables to maintain and adjust large apps.

Paper 5
Title: A Review on Budget Estimator Android Application
Authors: *Namita Jagtap1, Priyanka Joshi2, Aditya Kamble3*

Methodology: The Expense Manager is a cellular utility meant to run on android tool specifically clever phone. Expense Manager is designed to efficaciously cater the wishes of customers with the aid of using removing presenting prices and settling vows to friends. The application encourages corresponding customers assist in who owes who, and for what. Aim is find higher methods to assist customers and their companions to proportion charges easily. This new utility will allow bunch customers and their partners to have detailed view inner this utility round man or woman prices. The app permits its customers to feature a commentary to an cost, click on on the expense call in any cost list. Bill posting may have area for remarks and notes box with a "Post" catch underneath. The Expense Manager has notification choice to notify on every occasion anyone provides a commentary to an cost useris on, or person can withdraw to published bill. The extra function that we're going to upload on this utility that allow us to acquire the pattern facts of customers charges and use this to examine styles of charges in sure region or with the aid of using unique kinds of spending for marketplace analysis. These styles may be derived the usage of a few facts mining techniques such as clustering, type and association.

Advantages: These styles may be derived the usage of a few facts mining techniques such as clustering, type and association.

Paper 6
Title: STUDENT EXPENSE TRACKING APPLICATION
Authors: Saumya Dubey1, Pragya Dubey2, Rigved Rishabh Kumar 3, Aaisha Khatoon4

Methodology: The software makes a file of the Income and Expenses of the consumer on each day basis. This software inputs the profits of a consumer and control its each day fees in order that the consumer can shop his/her money. If you exceed daily expense allowed quantity it'll come up with a warning, so you don't spend an awful lot on that particular day. It has various characteristic like consumer registration and creation, including profits and fees, class master, management date wise, Management View-Category Wise, Remainder. This software just like the widespread majority of the applications may have consumer login display and options for enlistment. The consumer have to enlist on this application when the character in query is making use of for first time. The customer who's now enlisted can login to the application utilizing their login accreditations which might be made with the aid of using the consumer on the hour of enrolment.

Advantages: The fee supervisor is multi-reason finance software. It can run on all android gadgets above model 5.0.The length of software is much less than 10mb.

Paper 7

Title:Time Scheduling and Finance Management: University Student Survival Kit

Authors:J.L. Yeo, P.S. JosephNg, K.A. Alezabi, H.C. Eaw, K.Y. Phan (2020, IEEE)

Methodology: This paper describes about the multifunctional application which helps the students to manage their time and money efficiently. The application aims to improve student knowledge and promote self-reflection which helps in tracking their time and financial expenses. The time scheduling in the application helps the

students to perform better in the academics. Money management skills in the application helps the user to log their weekly income and expenses. The user-friendly interface of the application helps to promote the student's development.

Advantages: The student can manage their time and money efficiently using the application.

Paper 8

Title: Development of an Application for Expense Accounting

Authors:*Denis E. Yurochkin; Anton A. Horoshiy; Saveliy A. Karpukhin(2021, IEEE)*

Methodology: The idea of this article is to develop a mobile application that can be used to maintain the expenses of an individual. The bills, invoices and receipts are scanned and the data is obtained from the scanned copy. The text recognition algorithm is used to understand and classify the data. The obtained data is stored in a database which can infer the expenses made and can be used to make a budget plan. This idea helps in finding out the sectors in which the expenses are made at the most and at the least providing an understanding of the expenses.

Advantages: This application provides the luxury of converting materialistic data such as bills and receipts into a digital data. This helps in more analysis of the data and easy management of the bills.