

# Payment Tracking System

Rakshna Sivakumar<sup>1\*</sup>, M. Saai Suruthi<sup>2</sup>, V. Suryaprakash<sup>3</sup>

<sup>1,2,3</sup>Department of Computer Science and Engineering, SNS College of Technology, Coimbatore, India

**Abstract:** We all have been in a situation where we do the payment and wonder whether it has reached or not. Only a few well established sites provide the option to track our payment whereas most of the sites still do not have the option. Especially in Institutions, a huge chaos happens every time when we have to pay the fee. Thus this payment tracking System would help in tracking and managing the payments for various vendors. It would consolidate the payment requests from the accounts department to the top management to deliver the supplier payments on time, using integrated best practices to manage operations and services by reducing discrepancies in transactions.

**Keywords:** payment tracking system, cheques, user-friendliness.

## 1. Introduction

We all have been in a situation where we do the payment and wonder whether it has reached or not. Only a few well established sites provide the option to track our payment whereas most of the sites still do not have the option. Especially in Institutions, a huge chaos happens every time when we have to pay the fee. Using integrated best practices, payment tracking system would help in tracking and managing the payments for various vendors. Once payment requests are from the accounts department, it will consolidate and send to the top management to deliver the supplier payments on time.

We also offer integrated transaction management capabilities called Ledger view which will help the users to have a much better and faster view of their payment portal.

Not only that we also offer a special feature called the Hold/Release Payments. This option would help to hold and release the cheques whenever necessary so this process helps in providing the right information at the right time as required by the user.

These days because of the advancements in mobile design technology devices it is possible for all users to utilize those devices at anytime and anywhere for performing electronic commerce transactions besides services like reading e-mails and Web browsing.

We are all aware of the issues or defects that are found in the customary methods of payment: Example cash falsification, cheques being bounced, and signatures being forged. And there is no system yet to track the details of the payment and so if there is one it will be easy to track and see where our payment is in dashboard system specifications which provide a basis for the selection of equipment.

## 2. Problem Definition

Authority to regulate and maintain the payment system is very less as of now. A portal to track the transfer of money from one party to another party is very less. Therefore, payment tracking system would help in tracking and managing payments with high visibility and faster resolution of payment related issues for any type of organization. Though there are software's available to track the payments, there is no proper software which provides an improved design methodology.

### A. Existing System

In order to understand the need of the system, we have to study the existing system. Till date, most of the companies maintain all their transaction details manually i.e. in files or on software like tally. Tally contains basic features like Payment Tracking of Company's supplier, Employee Management and other advanced options. But there is no software available yet for tracking of supplier payment with option to hold and release issued cheque.

#### 1) Drawbacks

Software like Tally is difficult to operate for a regular employee. Tally is not web-based application, hence cannot enable mobile view. It does not have option for upcoming payments with calendar view

### B. Proposed System

To keep track of the payments made to the suppliers and to set a pay limit for each day is the main aim of this system. In order to avoid any discrepancy to occur in the payment made, an enhanced Ledger Module is provided so that the user can have a clear view of the entire transaction. Advanced options to Hold and Release cheque payment to Suppliers and part payment are also provided.

#### 1) Advantages

- User friendly
- Responsive design
- Robustness
- Compatible with all screens
- Easy to understand
- Highly secure and scalable

## 3. Hardware/Software Requirements

### A. Hardware

- Processor: Dual core 2.0 GHz or more

- RAM: 1GB or more

#### B. Software

- Web Server: XAMPP
- Technologies: PHP, HTML5, CSS, J Query
- UI Framework: Boot Flat
- Database: MySQL

### 4. Feasibility Study

The historical background of the business is figured using a well-designed feasibility study i.e. right from description of the product or service to financial data and tax obligations, Feasibility studies helps in development and implementation of the project. During this study we concentrate on three primary area of interest.

- Economic feasibility
- Operational feasibility
- Technical feasibility

#### A. Economic Feasibility

The effectiveness of the system is evaluated using the Economic feasibility method. Commonly known as the cost benefit analysis, this method helps in finding out whether the system being developed is economic with respect to business application point of view. It helps us to find if the development of the software is cost effective and feasible.

#### B. Operational Feasibility

In order to measure how well a proposed system solves the problems, takes advantage of the opportunities identified during scope definition an operational feasibility is used. The requirements identified in the requirements analysis phase of system development is satisfied during this method.

Here in our system it regulates the flow of information inside the boundaries of the organization in addition the system manages the database which is available at the Internet level.

#### C. Technical Feasibility

The technical feasibility system deals with the analysis of technical consideration and also the requirements of the company for the development of the project. The analysis was done in the project and it was successful because this can enter a large amount of data in effective time. It is customized software which is developed for the company who does their monthly transaction in crore.

### 5. Process Flow Diagram

The data flow diagram of payment tracking system contains of all user flow and their entities such all the flow of payment, validation, invoice entry etc. and structured design of the payment process and working flow.

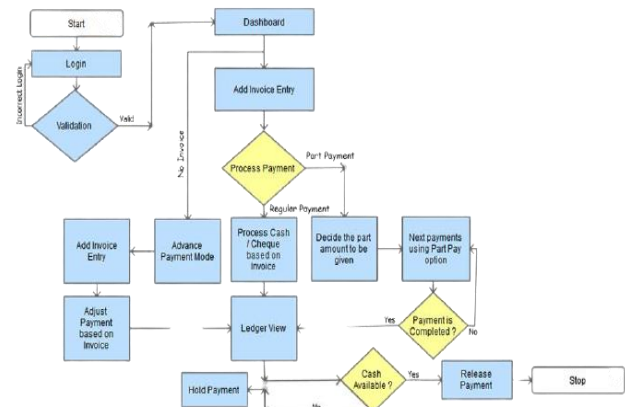


Fig. 1. Process flow diagram of payment tracking system

### 6. Conclusion

This system which is built using PHP and HTML as front end and MySQL as back end is nothing but a solution for all the payment transfer problems that has been taking place over the year. It is a complete open- source application and all that it requires is just a web browser. With just the right supplier details and a well described invoice, payment tracking process would be displayed on the screen. As mentioned above, to make the user feel at ease, ledger view and calendar view will be present to sort out all the discrepancies. This payment tracking system is no doubt but the right software that every institution or industry must use to avoid all the payment transfer issues.

### References

- [1] G. Kiran Kumar, A. Mallikarjuna Prasad, "Payment Management Service using GPS-GSM", International Journal of Research in Computer and Communication Technology, vol. 1, no. 3, Aug. 2012.
- [2] Ambade Shruti Dinker and S. A. Shaikh, "Design and Implementation of Payment Tracking System Using GPS", Journal of Information Engineering and Applications, vol. 1, no. 3, March 2011.
- [3] Eddie Chi-Wah Lau, "Simple Bus Tracking System", Journal of Advanced Computer Science and Technology Research, vol. 3, no.1, April 2013.
- [4] Montaser N. Ramadan, Mohammad A. Al-Khedher, and Sharaf A. Al Kheder, "Intelligent Anti-Theft and Tracking Sytem for Automobiles", International Journal of Machine Learning and Computing, vol. 2, no. 1, February 2012.
- [5] Amit Kushwaha, Vineet Kushwaha "Location Based Services using Android Mobile Operating System," in International Journal of Advances in Engineering & Technology, 2011.