# FASTAR (FAST AUTHENTICATED SECURE TRANSACTION AND AUTOMATIC REGISTRATION)

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Abstract- Nowadays, Colleges has a large number of students who pay all the university fees through deposits cash and electronic fund transfer or bank drafts to the university's accounts in specific bank. These methods of paying fees have not been efficient enough especially during periods of tests and examinations when most of the students are paying fees to meet the requirements for entering examination rooms. The process of paying fees is characterized by long queues, too much waiting by students and congestion at banks where payments are made. This has always resulted in students missing to sit for their tests and/or examinations while they are queuing to make payments. This project automates the payment process involved during student registration at the colleges.

#### Keywords

# I INTRODUCTION

Developments in Information and Communication Technologies (ICTs) have made impact in all sectors of the society, including education. In higher education, application of ICTs in form of e-learning is changing the mode of learning and teaching process. School management is now done online, records are being kept in databases that are accessible through the web. Also,

Registration payment of tuition fees, generating timetables and much more are done using the web. The world of IT has gone far and wide that now makes us see the importance of using automated system rather than manual system. Referring to the problem of tuition fees and hostel allocation as the Automatic Payment Portal System (APPS) problem. Given the large number of students that are typically involved in such problem, there is a growing interest in automating the process of payment using centralized matching schemes that incorporate efficient algorithms for APPS. Examples of similar automated system are in use in several universities. Due to these advancements, organization need no longer be centralized when information services can reach the home and offices for processing from a number of geographical locations. However, Web based system have helped tremendously in every field of human existence today. Hence this project work provides and creates an Automatic Payment System (APPS) to the colleges through the development of a Web based system that will in turn improve the effectiveness of the college. efficiency and

## II OBJECTIVES OF THE STUDY

Objective of the FASTAR is defined as follows,

- Create a Web based system that will solve the problems of the existing system being used for tuition fees and accommodation payment and hostel allocation.
- ii. Develop a system that allows a student save his/her school fees in an account before the period of registration.
- iii. Allow students to pay their tuition fees and hostel accommodation anywhere and anytime during registration. Ease and speed up registration of students of every session.

#### **III.LITERATURE SURVEY**

The research on colleges, tuition management System development based on web refrence[1] in this

Paper, these are the limitation's we analyzed,

The drawbacks in Tuition Management System software can be counted on fingers; with mostly only benefits, these systems have a few countable downsides. Often, applications face minor technical glitches and these systems are no exception but, ratification is immediate.

Only, people who are accustomed to regular use of smartphones or computers can operate this software. Extensive modules and features make it difficult for a user to utilize the application. With huge flow in traffic the application is prone to performance issues.

Few companies market their products at extravagant price, which are not affordable by growing organizations. Absence of proper internet-network makes it difficult for a user to access information, which is a significant disadvantage. be evaded by choosing proper, cost-efficient and best software that best benefits an organization.

Finally, this design only concerned towards only Tuition fees.

Electronic Payment Systems: A User-Centered Perspective and Interaction Design refrence[2] paper these are the limitations we analyzed:

Lack of security: Existing payment systems for the Internet are an easy target for stealing money and personal information. Customers have to provide credit card or payment account details and other personal information online. This data is sometimes transmitted. Lack of usability: Existing payment systems for the Internet require from the end user to provide a large amount of information, or make payments using complex elaborated web site interfaces.

Understanding m-commerce payment systems through the analytic hierarchy process refrence [3] this was the third we go through to identify the drawbacks are listed below:

Security Concerns: Fraudsters, for instance, use phishing attacks to trick unsuspecting users into providing the log-in details of their e-wallets, which they capture and use to access the victims' personal and financial information. Inadequate authentication also ails e-payment systems.

Disputed Transactions: If someone uses your company's electronic money without your authorization, you would identify the unfamiliar charge and file a claim with your bank, online payment processor or credit card company.

Online Fee payment and administration refrence[4] this was the last one paper we analyzed and below are the drawbacks:

If someone uses your company's electronic money without your authorization, you would identify the unfamiliar charge and file a claim with your bank, online payment processor or credit card company. Without sufficient information about the person who performed the transaction, though, it can be difficult to win the claim and receive a refund.

E-payment systems come with an increased need to protect sensitive financial information stored in a business's computer systems from unauthorized access. Enterprises with in-house e-payment systems must incur additional costs in procuring, installing and maintaining sophisticated payment-security technologies.

## IV. PROBLEM DEFINITION

The available modes of fees payment to university have caused long queues, students missing to sit for their tests and examinations, and loss of money intended for fees while waiting to reach bank counters to make payments among others.

The problem is addressed by developing a system that enables students and their sponsors to securely pay university fees online from wherever they are using credit and debit cards.

Students from the other states and who cannot reach the college during registration will face the issue of not get registered even though fees is completed paid. These problem is address by making registration process automatic, minimum amount of fee is paid.

### V.PROPOSED WORK

Proposed system will provide an additional channel for fees payment to the university online and shall integrate with the already existing system, FASTAR was proposed to solve the problems associated with the current fee payment methods in the university. FASTAR is an alternative platform that enables students and their sponsors to securely pay university fees online using credit and debit cards from wherever they are.

The system helps to reduce the number of students that currently miss sitting for their tests and examinations while waiting to reach bank counters to make payments. Sponsors of students, especially those abroad, will also save money and time since it will no longer necessitate them to first transfer money to students before it is paid to the university.

#### VI. METHODOLOGY AND IMPLEMENTION

## Methodology

- It consists of different modules like admin module and student module.
- Through the student module student can pay fee and get registered automatically by entering his details.
- Through admin module admin can upload the details of the student like his fee structure and student information and he

- can also track the fee that was paid by the respective student.
- For the payment mode we will be using payment integration, additional to this we will be using message and email integration to trigger the messages to the students as well as parents.

#### **IMPLEMENTION**

#### **Project Modules**

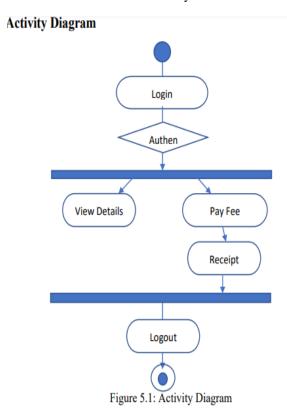
FASTAR project includes mainly four modules. They are Admin. Accountant, Teacher and Student modules.

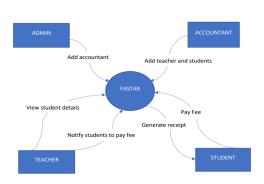
**Admin Module**: This module is included to add accountant. Admin has the authority to add and update accountant details.

Accountant Module: This module is included to add and authenticate teacher and students. Any updates can be updated by accountant. Accountant is the one who provides login credentials of teacher and students by registering them.

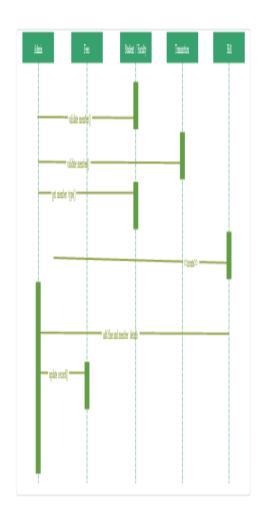
**Teacher Module:** Teacher modules is included to view the payment details of students of their respective departments and notify them to pay fees.

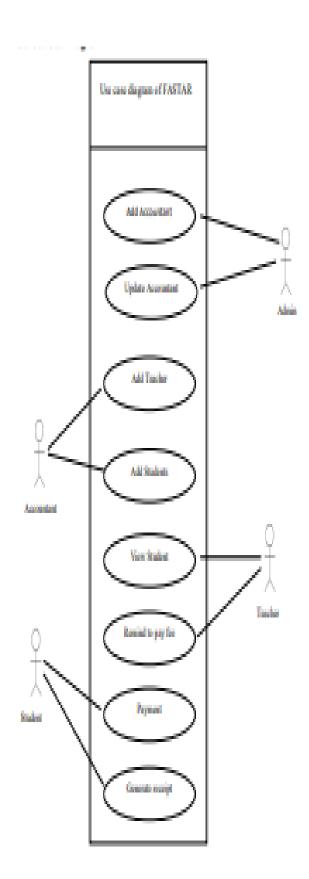
**Student Module:** Students included in student module is Eligible to pay fee online. Students can pay their fee from Credit or Debit cards online from any location.





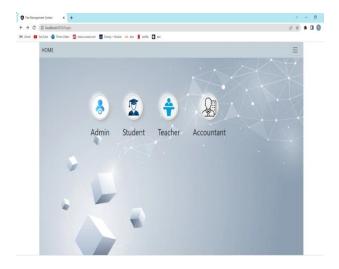
# DATA FLOW DIAGRAM





SEQUENCE DIAGRAM

## VII. SCREENSHOTS



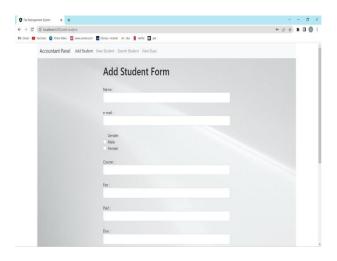


FIGURE 1: HOME PAGE



FIGURE 4: ADD STUDENT FORM

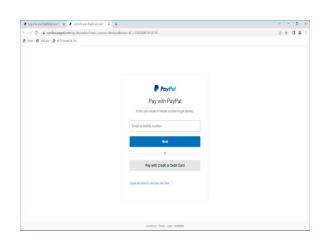


FIGURE 2: ADMIN LOGIN



FIGURE 5: PayPal payment mode



FIGURE 6: payment through debit or credit card

## VIII.CONCLUSION AND FUTURE EHANCEMENT

#### **CONCLUSION**

The fee management system has innumerable benefits for College administrators. It helps the college scale its activities without worrying about administrative overheads. Using fee management software makes it easy to manage individual and general user accounts. Data in the system is highly secure on the cloud and cannot be tampered with by hackers. The self-explanatory user interface makes the software user-friendly. Above all, the software ensures that fees are paid on time so the college can save money, time, effort, and resources on fee payment tracking.

#### **FUTURE EHANCEMENT**

The project has a very vast scope in future. The project can be implemented on intranet in future. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion. With the proposed software of database Space Manager ready and fully functional the client is now able to manage and hence run the entire work in a much better, accurate and error free manner. The following are the future scope for the project.

- Discontinue of particular student eliminate potential attendance.
- Bar code Reader based attendance system
- Individual Attendance system with photo using Student login

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