### **Fee Receipt Generator**

Project submitted to the

SRM University - AP, Andhra Pradesh

for the partial fulfillment of the requirements to award the degree of

Bachelor of Technology/Master of Technology

In

Computer Science and Engineering

School of Engineering and Sciences

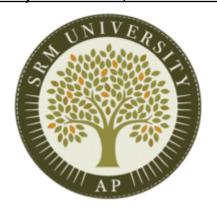
Submitted by

Y.Baladitya | AP21110010210

T.Gnana kartheek | AP21110010238

Ch. Bhargav | AP2111001025252

Chaitanya Sai Nutakki | AP21110010253



Under the Guidance of (Kavitha Rani Karnena)

SRM University-AP
Neerukonda, Mangalagiri, Guntur
Andhra Pradesh - 522 240
[June 2023]

#### Certificate

Date: 02-June-23

This is to certify that the work present in this Project entitled "Fee Receipt Generator" has been carried out by

Y.Baladitya | AP21110010210

T.Gnana kartheek | AP21110010238

Ch. Bhargav | AP2111001025252

Chaitanya Sai Nutakki | AP21110010253

under my/our supervision. The work is genuine, original, and suitable for submission to the SRM University – AP for the award of Bachelor of Technology in **School of Engineering and Sciences**.

#### **Supervisor**

(Signature)

Kavitha Rani Karnena

Designation,

Affiliation.

#### **Co-supervisor**

(Signature)

Kavitha Rani Karnena

Designation,

Affiliation.

## Acknowledgments

We would like to thank the SRM AP faculty for giving us the opportunity to work on a project.

A group project can never be done by a single person. So, we appreciate our whole hearted help and support from our group members in completing our project. Successful completion of a project requires guidance and help from a number of people. Hence, we give our sincere thanks to Kavitha Rani Karnena Ma'am our professor for their special concern and for providing sufficient time and information related to the topic, which helped us in completing the project work on time.

# **Table of Contents**

Ceı	rtificate	ii
Acknowledgments		iii
Table of Contents		iv
Abstract		v
Introduction		vi
2.	Methods/Modules Used	vii
3.	Future Work	viii
4.	Sample Input/Output	ix
5.	conclusion	x

#### **Abstract**

The "FEE RECEIPT GENERATOR" has been developed to override the problems. prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner,

The application is reduced as much as possible to avoid errors while entering the data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly FEE RECEIPT GENERATOR, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of Course, Student, Semester, Payment, Fees. Every Student Fees Payment System has different Student needs, therefore we design exclusive employee

## 1. Introduction

The existing system heavily relies on paper-based records, which often prove to be inconvenient and cumbersome to modify. Manual updates and modifications to paper records can be time-consuming and prone to errors. Additionally, maintaining consistency across multiple registers becomes challenging, resulting in discrepancies and mismatched entries. Such inconsistencies create a major hurdle when searching for specific records, as the accurate and up-to-date information may not be readily available.

To overcome these limitations, our project introduces a comprehensive software-based solution that revolutionizes fee receipt management. By replacing the traditional paper records with a digital platform, we eliminate the need for manual record-keeping and introduce a host of advanced features and benefits.

One of the key advantages of our software is the ease and efficiency it brings to the record search process. Users no longer have to sift through piles of physical documents or registers to find relevant information. Instead, they can simply input their desired search criteria using intuitive options provided within the software. This streamlined search functionality drastically reduces the time and effort required to retrieve specific records, enabling users to access information swiftly and accurately.

By automating the fee receipt process, our project provides a convenient and user-friendly experience. Users are no longer burdened with the tedious task of manually generating receipts or performing calculations on calculators. The software seamlessly generates receipts based on the entered data, ensuring accuracy and consistency in fee amount calculations. This automation eliminates human errors and reduces the chances of discrepancies between records.

Furthermore, our project aligns with the ever-increasing demand for digital solutions in today's technology-driven world. People expect automation and efficiency in their daily tasks, and our project caters to these expectations by digitizing the fee receipt process. By embracing computer technology, organizations can enhance productivity, reduce administrative burden, and create a more streamlined and modernized workflow.

## 2. Methods/Modules Used:

The application is implemented using Java and the Java Swing library for the graphical user interface. Here is an overview of the key components and their functionalities:

The FeeReceipt class serves as the main class for the application. It contains the main method and sets up the user interface components.

The JFrame class is used to create the main window of the application.

Various JPanel objects are used to group related input fields and labels.

JLabel objects are used to display labels for each input field.

JTextField objects are used to capture user input for student name, class, father's name, etc.

The JTextArea object is used to display the generated receipt.

JButton objects are used for the reset, generate receipt, and print receipt functionalities.

The ActionListener interface is implemented to handle button click events.

File input/output operations are used to read and update the receipt number stored in a text file.

#### 3. Future Work

Here are some potential enhancements that can be made to the Fee Receipt Generator:

Database integration: Store receipt information in a database for easier management and retrieval.

Search and filter functionality: Enable users to search and filter receipts based on various criteria.

User authentication and access control: Implement user accounts with different levels of access to ensure data security.

Reporting and analytics: Generate reports and statistics on fee collections, outstanding payments, etc.

Email integration: Allow sending automated email receipts to parents or guardians.

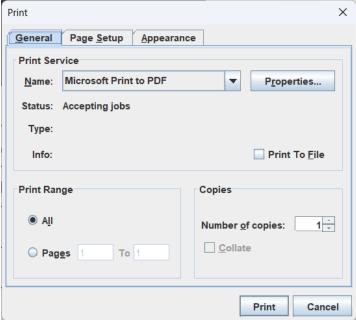
Online payment integration: Enable online payment options for fee collection.

By incorporating these enhancements, the Fee Receipt Generator can become a comprehensive and powerful tool for educational institutions to streamline their fee management processes and improve administrative efficiency.

# 4. Sample Input / Output

Figure 1: Input/Output

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		FEE RECEIPT	
STUDENT NAME :	Rohan	CONCEPT CLASSES	
FATHER'S NAME:	Vishnu	Fri Jun 02 11:46:00 IST 2023 Receipt Number : 2	
MOTHER'S NAME:	Priya		
ADDRESS:	2-3/8, East view street,Mumbai	STUDENT NAME : Rohan  FATHER NAME : Vishnu	
DATE OF JOINING :	2/2/2023	MOTHER NAME: Priya	
CLASS:	7th	ADDRESS : 2-3/8, East view street, Mumbai	
FATHER'S PH:	9013245682	DATE OF JOINING : 2/2/2023	
MOTHER'S PH:	8910456278	CLASS: 7th  FATHER MOBILE: 9013245682	
STUDENT'S PH:	8745321643	MOTHER MOBILE : 8910456278	
FEE AMOUNT:	75000	STUDENT MOBILE: 8745321643	
GENERA	ATE RECEIPT	RESET PRINT RECEIPT	
Print		×	
General Page Setup Appearance			
Print Service			



# Conclusion

The Fee Receipt Generator provides a convenient and efficient way to generate and manage fee receipts for educational institutions. It automates the receipt generation process and ensures accurate and organized record-keeping. The user-friendly interface allows for easy data entry and retrieval of receipt information. The system can be further enhanced by adding features such as database integration for storing and retrieving receipt data.