

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**

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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

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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**.

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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.

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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.

TextField 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.

Button 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

The screenshot shows a software window titled "FEE RECEIPT". It is divided into two main sections. The left section contains a series of input fields for student and parent information. The right section displays a preview of the receipt, including a header, a date and time stamp, a receipt number, and the same student/parent details. At the bottom, there are three buttons: "GENERATE RECEIPT", "RESET", and "PRINT RECEIPT".

FEE RECEIPT	
STUDENT NAME :	Rohan
FATHER'S NAME:	Vishnu
MOTHER'S NAME:	Priya
ADDRESS :	2-3/8, East view street,Mumbai
DATE OF JOINING :	2/2/2023
CLASS :	7th
FATHER'S PH:	9013245682
MOTHER'S PH:	8910456278
STUDENT'S PH:	8745321643
FEE AMOUNT :	75000

CONCEPT CLASSES

Fri Jun 02 11:46:00 IST 2023 Receipt Number : 2

STUDENT NAME : Rohan
FATHER NAME : Vishnu
MOTHER NAME : Priya
ADDRESS : 2-3/8, East view street,Mumbai
DATE OF JOINING : 2/2/2023
CLASS : 7th
FATHER MOBILE : 9013245682
MOTHER MOBILE : 8910456278
STUDENT MOBILE : 8745321643

GENERATE RECEIPT RESET PRINT RECEIPT

The screenshot shows a standard Windows "Print" dialog box. The "General" tab is active. It displays the print service as "Microsoft Print to PDF" with a status of "Accepting jobs". The "Print Range" section has "All" selected. The "Copies" section shows "Number of copies" set to 1, with the "Collate" checkbox checked. At the bottom, there are "Print" and "Cancel" buttons.

Print

General Page Setup Appearance

Print Service

Name: Microsoft Print to PDF Properties...

Status: Accepting jobs

Type:

Info: ☐ Print To File

Print Range

☒ All

☐ Pages 1 To 1

Copies

Number of copies: 1

☒ Collate

Print Cancel

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.