

MCA Final Year Project (Review I)

Evyyahaar

Submitted to the Presidency University, Bengaluru in partial fulfillment for the award of the degree of Master of Computer Applications(MCA)

Project Number : MCA_PR219

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Content

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- Tools and Technologies to be used
- Github Link



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Abstract

- Simplifies the process of sales invoicing for businesses.
- Automates data input, reducing errors and effort.
- Enhances workflow efficiency and customer relationship management.
- Streamlines invoice delivery with automated email functionality.
- Allows customization of email templates and tracks delivery status.
- Enhances efficiency through automated reminders, reducing payment delays.
- Provides faster, more reliable, and cost-effective invoicing with SMTP or API-based integration.



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Problem Statement

- **Manual Process** – Invoices require manual downloads and sharing, causing delays and errors.
- **Tracking Issues** – No real-time tracking of invoice delivery or acknowledgment.
- **Payment Delays** – Lack of automated reminders results in overdue payments.
- **Limited Features** – Existing systems lack customization and follow-up automation.
- **Need for Integration** – Automating email invoicing improves efficiency and communication.



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Literature Review

Digital Invoicing Benefits – Enhances efficiency, reduces paperwork, and minimizes errors in financial transactions.

Automation in Billing – Streamlines invoice processing, reducing manual effort and improving accuracy.

Real-Time Tracking – Ensures invoices are delivered, viewed, and acknowledged, increasing transparency.

Payment Efficiency – Automated reminders help reduce late payments and improve cash flow.

Existing System Limitations – Common issues include lack of customization, security risks, and weak accounting integration.

Future Innovations – AI, blockchain, and predictive analytics are transforming invoicing and email integration.



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Module Design

Module 1: Invoice Generation

Creates invoices with customer, product, and tax details.

Generates unique invoice numbers and allows customization.

Module 2: Email Integration

Sends invoices via **SMTP or API-based email services**.

Supports custom email templates and automated reminders.

Tracks delivery, read receipts, and logs interactions.



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Tools And Technologies To Be Used

Frontend: React.js / Angular.js, HTML, CSS, JavaScript

Backend: Node.js / Django / Spring Boot, Express.js / FastAPI

Database: MySQL / PostgreSQL / MongoDB

Security: OAuth 2.0, JWT, SSL/TLS, AI-based Fraud Detection

Cloud & Hosting: AWS

Compliance: AI-based Monitoring, Automated Auditing



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Github Link

Github Link

<https://github.com/GamingTyson/evyavahar>



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Thank
You!



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