

CASE STUDY:

Invoice & Vendor Management System for State Government Departments, Lucknow, Uttar Pradesh, India

Overview:

State Government Departments often encounter a range of issues related to Vendor billings/invoices and management. Inaccuracies in billing details, such as mismatched amounts or missing information can result in disputes and further delays. Multi-layered approval systems can complicate and prolong the billing process, leading to inefficiencies. Poor communication between the department and vendors can lead to misunderstandings and unresolved billing issues.

To manage these issues, a dedicated system was proposed for the development including entire life cycle of Vendors and their billings.

Challenges:

Challenges for the execution of successful Development & Maintenance of Invoice & Vendor Management System, Lucknow, Uttar Pradesh :

- Many department officials were accustomed to the manual process and were initially resistant to adopting the new system.
- Conduct comprehensive training sessions.
- Provided continuous support to ease the transition.
- Handling sensitive financial information required stringent security measures.

Technologies:

ReactJS, NodeJS, PostgreSQL, Selenium, AWS Server etc.

Benefits Achieved:

- The IMS streamlined the invoice submission and processing workflow, significantly reducing the time taken to approve and pay invoices.
- Automated reminders and notifications ensured timely actions.
- Vendors could track the status of their invoices in real-time, improving transparency and trust in the process.
- The FIFO principle ensured fairness in the processing of invoices.
- Comprehensive reporting capabilities for audit and review purposes.

Requirements of the project:

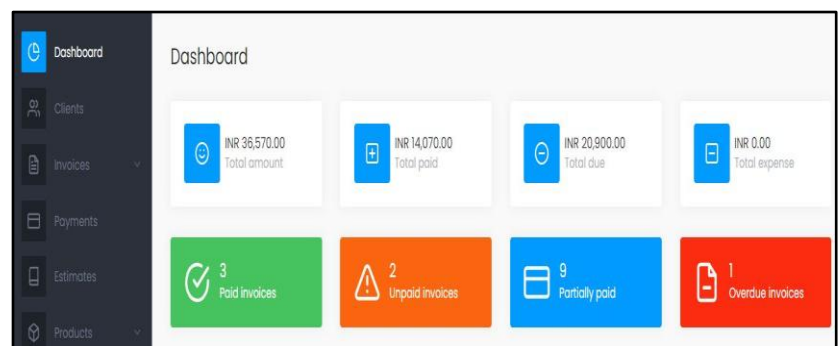
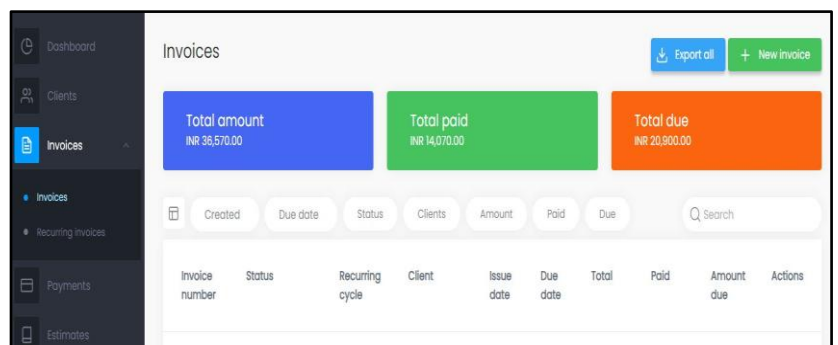
- A comprehensive module for vendor registration, including profile creation, document submission, and approval processes.
- Vendor portal for managing submitted invoices and tracking payment status.
- Automated acknowledgment of invoice receipt with a unique tracking number.
- FIFO-based processing queue.

Approach:

Approach for the execution of successful Development & Maintenance of Invoice & Vendor Management System, Lucknow, Uttar Pradesh:

The solution involved developing a creative web based application (as advised).

- Conducted workshops with State Government Department officers to understand the current processes, pain points, and requirements.
- Developed a comprehensive project plan.
- Understand Vendors requirements and

Invoice number	Status	Recurring cycle	Client	Issue date	Due date	Total	Paid	Amount due	Actions