**Team Name:** JSquad

**Team Members:**

Abhi Mukundbhai Bhagat

Nisha

Slade Sahoye

Vaisakh Suresh

**Web Programming & Framework 2 - ITE-5425-0NB**

**Project Task List 3**

**Project Scope : ISP Invoice Portal**

**Project description :**

The project is a web-based Invoice Management Portal developed for an Internet Service Provider (ISP). It allows:

Customers to securely log in and view their individual invoices (monthly and yearly).

ISP staff to view all customer invoices, manage invoice records, and track dispute tickets.

Note: This portal does not include online payment functionality. Its primary focus is on invoice visibility and basic administration.

**Targeted audience and objective:**

**Targeted audience:**

ISP Customers: To access their own billing history.

ISP Staff/Admins: To access and manage all customer invoices.

**Objective:**

Provide a self-service platform for customers to check their invoices.

Provide ISP staff with a centralized tool to manage and track invoices and related disputes.

Reduce dependency on manual customer service for basic billing inquiries.

**User Roles:**

**Customer**

View monthly and yearly invoices

Download invoices in PDF format

Submit invoice-related disputes

**ISP Staff/Admin**

View and manage all customer invoices

Add or update invoice records

Track and manage customer dispute tickets

**Features List and Team Responsibilities**

|  |  |  |
| --- | --- | --- |
| Features | Assigned To | Description |
| 1. User Authentication (with Role-based Access) | Abhi | Implement secure login for both Customers and ISP staff using JWT. |
| 1. Customer Invoice Dashboard | Nisha | Build a UI for customers to view personal invoices with filtering options (monthly, yearly). |
| 1. PDF Invoice Generation and Download | Slade | Enable customers to download invoice PDF’s using libraries like jspdf or react-pdf. |
| 1. ISP Staff Invoice Management Panel | Vaisakh | Create an admin panel for viewing and managing all customer invoices. |
| 1. Dispute Submission Form(Customer Side) | Abhi | Allow customers to submit disputes or queries regarding invoices through a structured form. |
| 1. Admin View for Disputes | Vaisakh | Develop a dashboard where ISP staff can view, filter, and resolve submitted disputes. |
| 1. Email Notification for New Invoices | Slade | Send automated email alerts to customers when new invoices are added using Nodemailer. |
| 1. Admin Tools for Invoice Entry and Updates | Nisha | Provider forms and interfaces for ISP staff to create and edit invoice records. |