

DIGITAL HUB MANAGEMENT SYSTEM

MINI PROJECT REPORT

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Under the guidance of

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The partial fulfilment of the requirements

For the award of the degree

Of

Bachelor of Computer Science



DEPARTMENT OF COMPUTER SCIENCE

S.A. COLLEGE OF ARTS & SCIENCE

Poonamallee – Avadi Main Road, Thiruverkadu, Chennai – 600 077.

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S.A. COLLEGE OF ARTS & SCIENCE

(Affiliated to the University of Madras)
POONAMALLEE – AVADI MAIN ROAD, THIRUVERKADU,
CHENNAI – 600 077.

DEPARTMENT OF COMPUTER SCIENCE



This is to certify that, this is a Bonafide record of work done by
SARAVANAN M, THARUN A S, PRAVEEN KUMAR G with Register No
222212315, 222212317, 222212308 in Mini Project during the Academic Year **2024-2025**.

Internal Project Guide

Head of the Department

Submitted for the Sixth Semester Mini Project Examination held on _____
at the **DEPARTMENT OF COMPUTER SCEINCE, S.A. COLLEGE OF ARTS & SCIENCE, Poonamallee – Avadi Main Road, Thiruverkadu, Chennai – 600 77.**

Internal Examiner

External Examiner

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(Affiliated to the University of Madras)
POONAMALLEE – AVADI MAIN ROAD, THIRUVERKADU,
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DECLARATION

We **SARAVANAN M, THARUN A S, PRAVEEN KUMAR G** with Register No **222212315, 222212317, 222212308**, Third year B.Sc. Computer Science students, hereby declare that the Mini Project Report entitled, **DIGITAL HUB MANAGEMENT SYSTEM** is the original work carried out by us under the supervision of **Dr. M.THIRUNAVUKARASU M.Sc., M.Phil., Ph.D., Assistant Professor Department of Computer Science** towards the partial fulfilment of the requirements of B.Sc Computer Science Degree at **S.A. College of Arts & Science**.

We further declare that this Mini Project has not been submitted elsewhere for any other degree.

Place:

Sincerely,

Date :

S.A. COLLEGE OF ARTS & SCIENCE

(Affiliated to the University of Madras)
POONAMALLEE – AVADI MAIN ROAD, THIRUVERKADU,
CHENNAI – 600 077.

DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE

This is to certify that the Mini Project entitled **DIGITAL HUB MANAGEMENT SYSTEM** Submitted in partial fulfilment of the requirement for the award of **B.Sc. Computer Science** Degree of S.A. College of Arts & Science is a result of a Bonafide work carried out by SARAVANAN M, THARUN A S, PRAVEEN KUMAR G during the year 2024-2025, under my supervision.

Place:

Internal Guide

Date :

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We thank the Almighty Lord for his blessings by which we have completed the project successfully.

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ABSTRACT

The **Digital Hub Management and Analytics System** is a web-based solution designed to enhance the efficiency of digital service hubs by automating transaction logging, revenue tracking, and data analysis. Traditional digital service centers that provide essential services such as money transfers, printing, and photocopying often rely on manual record-keeping methods, which are time-consuming, error-prone, and inefficient.

This system eliminates such challenges by offering a centralized platform where all transactions are recorded, monitored, and analyzed in real-time. Built using **Python (Flask) for backend development, MySQL for database management, and HTML, CSS, and JavaScript for frontend design**, the system ensures a seamless and user-friendly experience for business owners. Additionally, data analytics tools such as **Pandas and Matplotlib** are integrated to generate insightful reports, visual charts, and graphs that help business owners make informed decisions regarding revenue growth, peak service hours, and customer demand trends.

The system also incorporates **secure login authentication and role-based access** to protect sensitive business data while enabling administrators to control access permissions efficiently. Designed with scalability in mind, the platform can be expanded to support additional features such as **mobile app integration, AI-driven analytics, and multi-user access for employees** in future enhancements.

By reducing manual errors, enhancing accuracy, and providing automated data insights, the **Digital Hub Management and Analytics System** aims to improve operational efficiency, optimize resource management, and support data-driven decision-making, making it an indispensable tool for small businesses operating in the digital services sector.

CHAPTER 1

PROJECT INTRODUCTION

In today's fast-paced digital world, small businesses providing essential services such as money transfers, Xerox, and printouts require an efficient and reliable system to manage their daily operations. Many digital hubs still rely on manual record-keeping methods, which are not only time-consuming but also prone to errors and inefficiencies. The Digital Hub Management and Analytics System is designed to address these challenges by offering a web-based platform that automates transaction logging, tracks revenue, and provides real-time analytics to support better decision-making.

This system enables business owners to digitally record transactions, monitor financial performance, and analyse customer trends with ease. It leverages Python (Flask) for backend processing, MySQL for secure data storage, and a responsive frontend using HTML, CSS, and JavaScript. Furthermore, it integrates data visualization tools such as Pandas and Matplotlib, allowing businesses to gain valuable insights into service demand, peak operational hours, and overall revenue trends.

With features such as user authentication, automated reporting, and data-driven insights, this system significantly enhances business operations by reducing manual errors, saving time, and improving decision-making capabilities. The scalable and adaptable architecture also ensures that future enhancements—such as mobile app integration, multi-user roles, and AI-driven analytics—can be incorporated seamlessly.

The Digital Hub Management and Analytics System is not just a transaction management tool but a comprehensive business intelligence solution aimed at transforming the way digital hubs operate, ensuring they remain competitive and efficient in an increasingly data-driven world.

1.1 OVERVIEW

The Digital Hub Management and Analytics System is a web-based solution designed to enhance the operational efficiency of digital service hubs by automating transaction logging, revenue tracking, and real-time analytics. These hubs provide essential services such as money transfers, Xerox, and printouts, and require an effective management system to streamline their day-to-day operations. Currently, most digital hubs rely on manual record-keeping methods such as paper logs or spreadsheets, which are prone to human errors, data loss, and inefficiencies. This project aims to digitize and centralize transaction management by providing a secure and user-friendly interface for tracking business activities and generating insights that aid in decision-making.

The system utilizes Python (Flask) for backend development, MySQL for database management, and HTML, CSS, and JavaScript for frontend design, ensuring a robust, responsive, and scalable solution. Additionally, it integrates data analytics using Pandas and Matplotlib to generate insightful reports, helping business owners analyze revenue trends, identify peak service hours, and make informed financial and operational decisions. With features like automated data entry, secure login authentication, and report generation, this system eliminates the need for manual bookkeeping, reduces errors, and saves valuable time.

Designed with scalability in mind, the system can be extended with future enhancements such as mobile app support, role-based access for multiple users, and AI-driven predictive analytics. By providing a comprehensive dashboard for real-time monitoring, transaction history, and revenue insights, the Digital Hub Management and Analytics System serves as a powerful digital transformation tool for small-scale businesses looking to optimize their operations and maximize profitability.

1.2 OBJECTIVES

The primary objectives of the Digital Hub Management and Analytics System are:

- To develop a centralized platform for logging daily transactions related to money transfers, Xerox, and printout services.
- To automate data entry, reducing human errors and increasing operational efficiency.
- To provide real-time insights and analytics on service usage, transaction volume, and revenue trends.
- To help business owners make data-driven decisions on pricing, resource allocation, and service optimization.
- To ensure data security and access control through authentication and role-based permissions.
- To design a scalable and adaptable system that can be enhanced with additional features such as mobile integration and AI-powered analytics.

This project aims to modernize the management process of digital service hubs, ensuring smoother operations, better financial tracking, and improved decision-making through technology-driven automation and data analytics.

CHAPTER 2

SYSTEM ANALYSIS

2.1 EXISTING SYSTEM

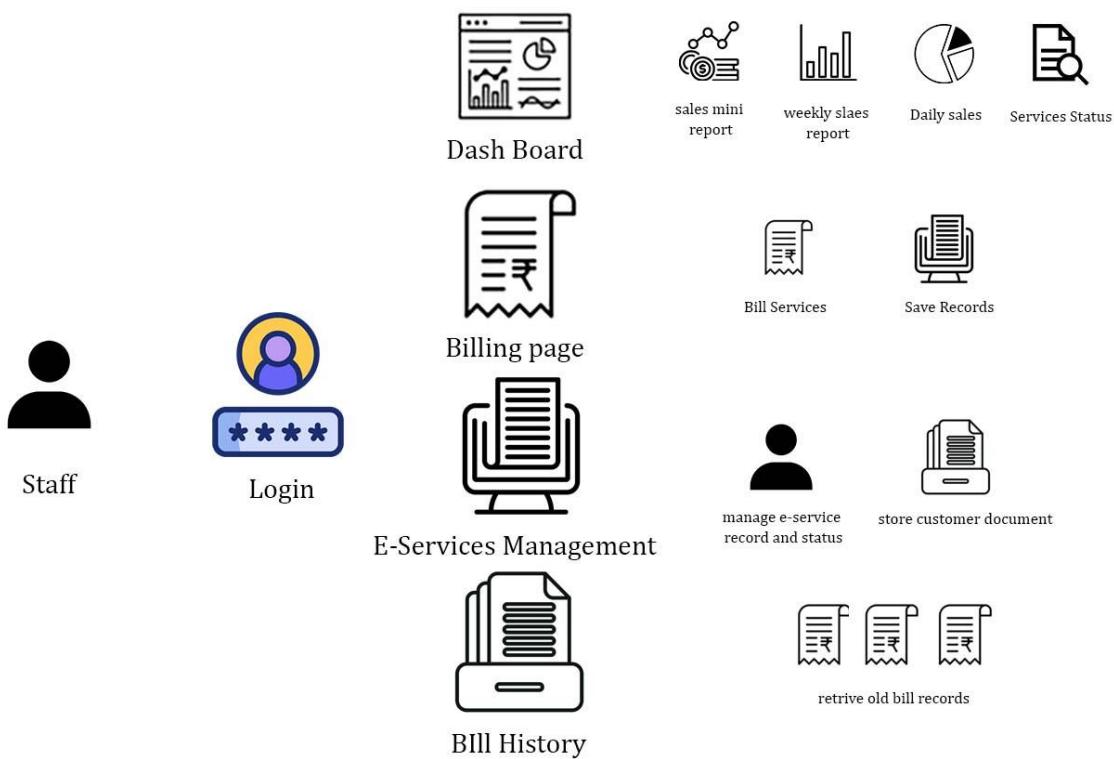
Currently, most digital service hubs rely on **manual methods** such as **paper-based record-keeping** or **Excel spreadsheets** to manage daily transactions. While these traditional methods may seem manageable for small businesses, they come with several drawbacks, including:

- **Time-consuming processes:** Entering data manually increases workload and slows down operations.
- **Prone to human errors:** Incorrect data entry or missing records can lead to revenue miscalculations.
- **Lack of real-time insights:** Manual methods do not provide instant analysis or reporting on business performance.
- **Difficulty in tracking revenue trends:** Without automated analytics, business owners cannot easily identify profit patterns or peak service hours.
- **Data loss risks:** Physical records can be misplaced or damaged, and spreadsheets may be accidentally deleted.

Given these limitations, there is a clear need for an **automated, centralized, and secure** system to improve operational efficiency and enhance decision-making capabilities.

2.2 PROPOSED SYSTEM

The **Digital Hub Management and Analytics System** is designed to eliminate the inefficiencies of manual record-keeping by **automating transaction logging, revenue tracking, and data analytics**. It offers a **user-friendly interface** that allows business owners to efficiently manage daily operations, reduce manual errors, and make data-driven decisions.



Key Features of the Proposed System:

- **Centralized Database:** Stores all transactions securely in a structured format using **MySQL**.
- **Automated Data Entry:** Reduces human errors and speeds up processing time.
- **Real-time Analytics:** Provides instant reports and insights on business trends using **Pandas and Matplotlib**.
- **Secure Authentication:** Ensures only authorized users can access sensitive business data.
- **Revenue Tracking:** Displays detailed revenue breakdowns on a daily, weekly, and monthly basis.
- **Scalability & Future Expansion:** Supports additional features like **mobile app integration and AI-based analytics**.

By implementing this system, digital hubs can significantly enhance their **efficiency, accuracy, and business intelligence capabilities**, ensuring **smoother operations and better financial management**.

2.3 SYSTEM CONFIGURATION

2.3.1 HARDWARE REQUIREMENTS

To run the **Digital Hub Management and Analytics System**, the following hardware specifications are recommended:

- **Processor:** Quad-core or higher (Intel i5, Ryzen 5, or equivalent)
- **RAM:** Minimum **4GB** (Recommended: 8GB for better performance)
- **Storage:** Minimum **10GB free disk space**
- **Display:** Minimum resolution of **1024 × 768** pixels

2.3.2 SOFTWARE REQUIREMENTS

The system will be developed and deployed using the following software stack:

- **Operating System:** Windows 10 / Linux / MacOS
- **Backend:** Python (**Flask framework**) for server-side logic
- **Frontend:** HTML, CSS, JavaScript for an interactive user interface
- **Database:** MySQL for **secure and structured data storage**
- **Data Analytics & Visualization:** Python libraries such as **Pandas and Matplotlib**
- **Hosting:** Cloud-based deployment (e.g., **AWS, Heroku**) or local server deployment

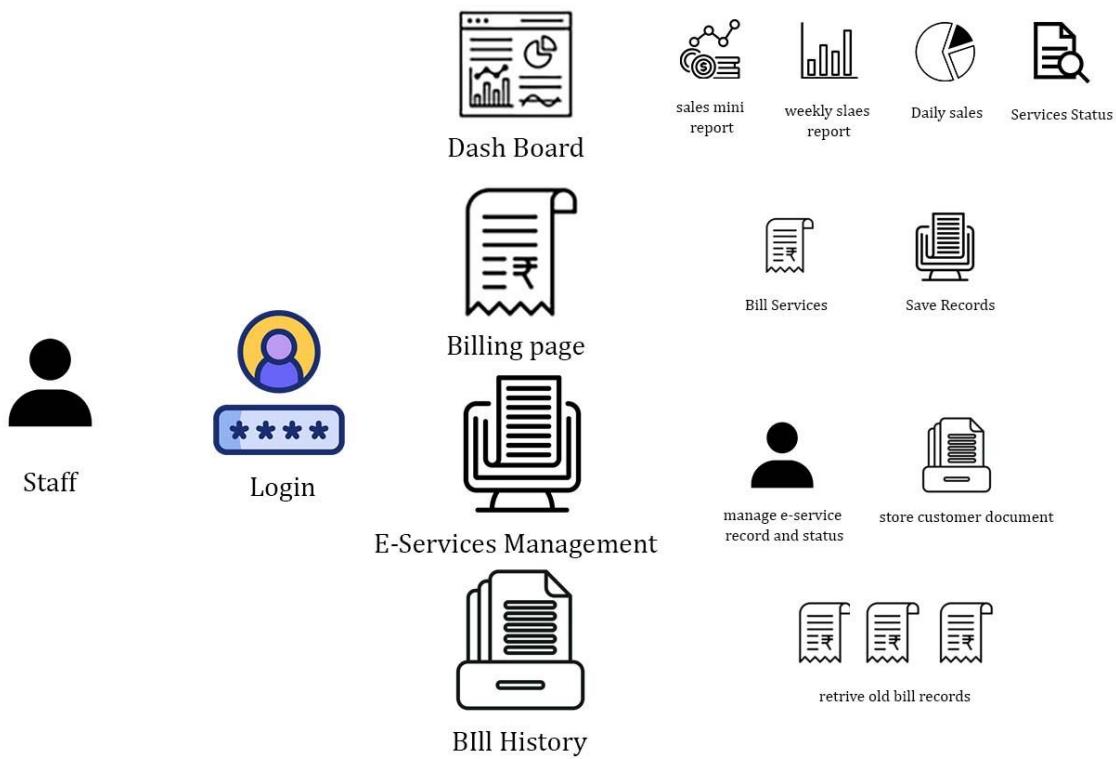
By leveraging these technologies, the system ensures **speed, reliability, and scalability**, making it an ideal solution for digital hubs to transition into **modern, automated business management**.

CHAPTER 3

SYSTEM DESIGN

System design is a crucial phase in the development of the **Digital Hub Management and Analytics System**, where the system architecture, database structure, and user interface are planned to ensure a seamless, efficient, and scalable solution.

Visual representation of the Digital Hub System :



3.1 USER INTERFACE DESIGN

The system is designed with a **user-friendly and responsive interface**, making it easy for digital hub operators to manage transactions, view reports, and track revenue trends. The UI follows a **clean, structured, and intuitive design** with simple navigation options.

Key UI Components:

- **Login Page** – Secure authentication for admin and staff.
- **Dashboard** – Provides an overview of revenue, transactions, and analytics.
- **Transaction Management** – Allows users to log services such as **money transfers, Xerox, and printing** transactions.
- **Reports Section** – Displays daily, weekly, and monthly revenue summaries.
- **Analytics Page** – Graphical representation of revenue trends and service usage.

The frontend is built using **HTML, CSS, and JavaScript**, ensuring a visually appealing and responsive experience.

3.2 DATABASE DESIGN

A **relational database** using **MySQL** is implemented to store and manage transactional data efficiently. The database consists of multiple tables to store user information, transactions, and reports.

Database Tables:

1. **Users Table** – Stores admin and staff login credentials with role-based access.
2. **Transactions Table** – Logs each service transaction with fields such as:
 - Transaction ID (Primary Key)
 - Service Type (Money Transfer / Xerox / Printout)
 - Amount
 - Date & Time
3. **Reports Table** – Stores revenue details for weekly and monthly analysis.

Using MySQL ensures **data integrity, fast query execution, and secure data management**.

3.3 SYSTEM ARCHITECTURE

The **Digital Hub Management and Analytics System** follows the **Model-View-Controller (MVC) architecture**, ensuring a structured and maintainable development process.

Architecture Components:

- **Model (Database Layer):** Handles all data-related operations using MySQL.
- **View (User Interface Layer):** Manages how data is presented to the user via **HTML, CSS, and JavaScript**.
- **Controller (Application Logic Layer):** Uses **Flask (Python)** to handle user requests, process transactions, and generate reports.

Workflow:

1. User logs in and is authenticated through the **Flask-based authentication system**.
2. The user enters transaction details, which are validated and stored in the **MySQL database**.
3. The system processes the data and updates revenue reports in real time.
4. The dashboard displays analytics using **Pandas and Matplotlib**, providing insights into business trends.

This modular design ensures **scalability, security, and easy future upgrades**, making it a reliable solution for digital hubs.

CHAPTER 4

PROJECT DESCRIPTION

The **Digital Hub Management and Analytics System** is a **web-based application** designed to automate and optimize the daily operations of digital service hubs that offer services such as **money transfers, Xerox, and printing**. The system eliminates manual record-keeping by providing a **centralized database** to store transactions, track revenue, and generate real-time analytics.

Built using **Python (Flask) for backend processing, MySQL for secure data management, and HTML, CSS, and JavaScript for a user-friendly interface**, the system enhances efficiency and accuracy in business operations. It includes **role-based authentication**, ensuring **secure access** for admins and staff, and features **automated revenue tracking, financial reporting, and data visualization** using **Pandas and Matplotlib**.

By implementing this system, digital hub owners can **save time, reduce errors, and make data-driven decisions** through **real-time insights into business performance**, ultimately improving operational efficiency and profitability.

4.1 FEATURES OF THE SYSTEM

The system includes several features aimed at improving **operational efficiency, data security, and business intelligence:**

1. User Authentication & Role-Based Access

- **Admin Login:** Allows business owners to access and manage all transactions, revenue reports, and analytics.
- **Staff Login:** Restricts access to transaction logging only, ensuring **data security and controlled access.**

2. Transaction Management

- Users can log transactions related to **money transfers, Xerox, and printing services.**
- Each transaction is automatically recorded in the **MySQL database**, reducing **manual errors and time consumption.**

3. Real-Time Revenue Tracking & Reporting

- Displays **daily, weekly, and monthly** revenue summaries.
- Generates **detailed financial reports**, making it easier for business owners to track **profitability and expenses.**

4. Data Analytics & Visualization

- Integrates **Pandas and Matplotlib** to provide **graphical representations** of business performance.
- Shows **service demand trends, peak operational hours, and transaction patterns** to support better decision-making.

5. Secure Database Management

- Uses **MySQL** to ensure data is securely stored and easily retrievable.
- Implements **data validation and backup mechanisms** to prevent data loss.

6. User-Friendly Interface

- Developed using **HTML, CSS, and JavaScript** for a **clean and intuitive UI**.
- Mobile-friendly design ensures accessibility from **various devices**, including desktops, tablets, and smartphones.

4.2 ADVANTAGES OF THE SYSTEM

The **Digital Hub Management and Analytics System** offers several benefits over traditional manual methods:

- **Automated & Accurate** – Reduces human errors and ensures seamless transaction logging.
- **Saves Time** – Eliminates the need for manual record-keeping, speeding up business operations.
- **Data Security** – Uses authentication and role-based access to protect sensitive information.
- **Real-Time Insights** – Provides instant revenue tracking and business analytics.
- **Scalability** – Can be expanded in the future to support new services, mobile app integration, and AI-based analytics.

CHAPTER 7

SYSTEM TESTING AND VALIDATION

System testing and validation are **essential phases** in the development of the **Digital Hub Management and Analytics System** to ensure that all components function correctly, meet business requirements, and provide a secure and reliable user experience. This process helps identify bugs, performance issues, and security vulnerabilities before deploying the system for actual use.

Testing is performed in a structured manner using various methodologies to ensure **accuracy, efficiency, security, and user-friendliness**. Each module, from **user authentication** to **transaction logging and analytics generation**, is rigorously tested to validate its intended behavior.

7.1 TESTING STRATEGIES

The **Digital Hub Management and Analytics System** undergoes multiple levels of testing to ensure **smooth functionality, security, and performance optimization**.

1. UNIT TESTING

Unit testing is performed on individual components or modules of the system to **verify their correctness and functionality in isolation**. Each function is tested separately to **ensure that it performs as expected**.

- The **authentication module** is tested to confirm that users can log in with correct credentials and are restricted from unauthorized access.
- The **transaction logging module** is verified to ensure that transaction details are accurately recorded in the database.

- The **report generation feature** is tested to validate that financial summaries are correctly calculated and displayed.

By conducting unit testing, developers can detect errors at an early stage and **fix them before integration**.

2. INTEGRATION TESTING

Integration testing focuses on the **interaction between different modules** and ensures that they work together without issues. Since the system consists of multiple components (**frontend, backend, and database**), testing is performed to check data flow and module connectivity.

- The connection between the **frontend (HTML, CSS, JavaScript) and backend (Flask, Python)** is tested to ensure data is correctly processed.
- The interaction between the **Flask backend and MySQL database** is validated to confirm that data is stored and retrieved correctly.
- Transaction data entry is tested to ensure that it is accurately displayed in **analytics and reporting sections**.

3. FUNCTIONAL TESTING

Functional testing evaluates whether the **system's features perform as intended** according to the **project's requirements**. This involves testing:

- **User Registration & Login:** Ensuring only authorized users can access specific features.
- **Transaction Processing:** Verifying that entered data is stored correctly and accurately reflected in reports.
- **Report Generation:** Checking whether revenue and business analytics data are generated correctly based on stored transactions.

- **Admin Controls:** Ensuring that the admin can access all store data while staff can only view their assigned transactions.

4. PERFORMANCE TESTING

Performance testing measures how well the system handles different workloads and ensures **speed, responsiveness, and stability.**

- **Load Testing:** Simulates multiple users accessing the system simultaneously to check if it can handle high traffic without slowdowns.
- **Stress Testing:** Evaluates the system's behavior under extreme conditions, such as large volumes of transaction entries.
- **Response Time Testing:** Measures how quickly pages load and how fast data is retrieved from the database.

This ensures that the system performs efficiently **even under peak usage conditions.**

5. SECURITY TESTING

Security is a major concern, especially when handling **financial and business-related data.**

Security testing ensures that the system is **protected against cyber threats and unauthorized access.**

- **User authentication mechanisms** are tested to prevent unauthorized logins.
- **SQL Injection Prevention:** Ensures that database queries are secure against malicious inputs.
- **Data Encryption:** Verifies that sensitive information, such as login credentials and financial data, is securely stored.
- **Session Management Testing:** Ensures that user sessions expire appropriately after logout or inactivity.\

6. USER ACCEPTANCE TESTING (UAT)

User Acceptance Testing is conducted with **real users (store owners and staff)** to ensure that the system meets their actual business needs.

- Users perform transactions, generate reports, and explore analytics to confirm usability.
- Feedback is collected regarding system **navigation, responsiveness, and ease of use**.
- Any **user-suggested improvements** are implemented before final deployment.

This step ensures that the system is **user-friendly and practical** for digital hub businesses.

7.2 VALIDATION PROCESS

Once testing is completed, the system undergoes a **validation process** to confirm that it aligns with the project's objectives and meets all functional requirements.

1. ACCURACY VALIDATION

- Transaction details are checked to ensure that **entered values match stored database records**.
- Revenue calculations are verified to ensure correct **daily, weekly, and monthly report generation**.
- Data analytics are compared with sample test data to ensure **visualizations reflect actual business trends**.

2. USABILITY VALIDATION

- The system is tested for **ease of use** by non-technical users.
- The interface is checked for **clarity, readability, and navigation** to ensure an intuitive user experience.
- Different device resolutions (mobile, tablet, desktop) are tested for **responsiveness**.

3. SECURITY VALIDATION

- The **role-based access system** is checked to ensure that unauthorized users **cannot access restricted areas**.
- **Data encryption and secure storage mechanisms** are tested to confirm that sensitive information is well protected.

4. PERFORMANCE VALIDATION

- The system is tested under various workloads to verify **its ability to handle large transactions efficiently**.
- Speed optimization tests are conducted to ensure **fast response times** even under heavy usage.

By conducting thorough **testing and validation**, the **Digital Hub Management and Analytics System** is **optimized for real-world business use**, ensuring it is **secure, reliable, and user-friendly**.

CHAPTER 7

APPENDICES

7.1 CODE IMPLIMENTATION

HTML CODES

Login Page

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.css">
  <link rel="stylesheet" href="css/index.css">
  <title>Login Page | Digital Hub</title>
</head>

<body>
  <div class="container" id="container">
    <!-- Admin Login Form -->
    <div class="form-container sign-up">
      <form id="adminForm">
        <h1>Admin Login</h1>
        <span>Enter admin credentials to access dashboard</span>
        <input type="text" placeholder="Admin ID" required>
        <input type="password" placeholder="Password" required>
        <button type="submit">Login</button>
      </form>
    </div>
  </div>
```

```
<!-- Regular User Login Form -->
<div class="form-container sign-in">
  <form id="userForm" >
    <h1>Staff Login</h1>
    <input type="email" placeholder="Email" required>
    <input type="password" placeholder="Password" required>
    <a href="#">Forgot Your Password?</a>
    <button type="submit" >Login</button>
  </form>
</div>

<!-- Toggle Panel -->
<div class="toggle-container">
  <div class="toggle">
    <div class="toggle-panel toggle-left">
      <h1>Welcome Back!</h1>
      <p>Enter your personal details to access your account</p>
      <button class="hidden" id="login">Staff Login</button>
    </div>
    <div class="toggle-panel toggle-right">
      <h1>Admin login</h1>
      <p>Enter admin credentials to access the management dashboard</p>
      <button class="hidden" id="register">Admin Login</button>
    </div>
  </div>
</div>

<script src="js/index.js"></script>
</body>
</html>
```

Admin Page

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Digital Solutions</title>
    <link rel="stylesheet" href="css/admin.css">
    <script src="multi-shop.js" defer></script>
</head>
<body>
    <!-- Landing Page Hero Section -->
    <header class="hero">
        <div class="hero-content">
            <h1>Digital Hub Solutions</h1>
            <p>Your One-Stop Solution for Digital Services</p>
        </div>
    </header>

    <!-- Revenue Stats Section -->
    <div class="shop-stats-container">
        <div class="stat-card" id="shop1">
            <h3>Shop 1</h3>
            <p>Revenue: ₹<span id="shop1Revenue">0</span></p>
            <p>Total Bills: <span id="shop1Bills">0</span></p>
            <button class="view-btn" onclick="window.location.href='dashboard.html'">View Details</button>
        </div>
        <div class="stat-card" id="shop2">
            <h3>Shop 2</h3>
            <p>Revenue: ₹<span id="shop2Revenue">0</span></p>
            <p>Total Bills: <span id="shop2Bills">0</span></p>
            <button class="view-btn" onclick="window.location.href='dashboard.html'">View Details</button>
        </div>
        <div class="stat-card" id="shop3">
```

```

<h3>Shop 3</h3>
<p>Revenue: ₹<span id="shop3Revenue">0</span></p>
<p>Total Bills: <span id="shop3Bills">0</span></p>
<button class="view-btn" onclick="window.location.href='dashboard.html'">View
Details</button>
</div>
</div>

<!-- Footer -->
<footer>
<p>© 2025 Digital Hub Solutions. All rights reserved.</p>
</footer>
</body>
</html>

```

Dashboard Page

```

<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<title>Digital Hub Management and Analytical System</title>
<meta content="width=device-width, initial-scale=1.0" name="viewport">
<meta content="" name="keywords">
<meta content="" name="description">

<!-- Favicon -->
<link href="img/favicon.ico" rel="icon">

<!-- Google Web Fonts -->
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link
href="https://fonts.googleapis.com/css2?family=Heebo:wght@400;500;600;700&display=sw
ap" rel="stylesheet">

```

```

<!-- Icon Font Stylesheet -->
<link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css"
rel="stylesheet">
<link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css"
rel="stylesheet">

<!-- Libraries Stylesheet -->
<link href="lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">
<link href="lib/tempusdominus/css/tempusdominus-bootstrap-4.min.css" rel="stylesheet">
/>

<!-- Customized Bootstrap Stylesheet -->
<link href="css/bootstrap.min.css" rel="stylesheet">

<!-- Template Stylesheet -->
<link href="css/style.css" rel="stylesheet">
<link rel="stylesheet" href="css/dashstyle.css">
</head>

<body>
<div class="container-fluid position-relative bg-white d-flex p-0">
<!-- Spinner Start -->
<div id="spinner"
class="show bg-white position-fixed translate-middle w-100 vh-100 top-50 start-50 d-
flex align-items-center justify-content-center">
<div class="spinner-border text-primary" style="width: 3rem; height: 3rem;" role="status">
<span class="sr-only">Loading...

```

```
<h3 class="text-primary">Radhika Hub</h3>
</a>
<div class="d-flex align-items-center ms-4 mb-4">
  <div class="position-relative">
    
    <div
      class="bg-success rounded-circle border border-2 border-white position-
absolute end-0 bottom-0 p-1">
      </div>
    </div>
    <div class="ms-3">
      <h6 class="mb-0">Saravanan</h6>
      <span>Avadi Branch</span>
    </div>
  </div>
<div class="navbar-nav w-100">
  <a href="index.html" class="nav-item nav-link active"><i
    class="fa fa-tachometer-alt me-2"></i>Dashboard</a>

  <a href="billing.html" class="nav-item nav-link"><i class="fa fa-th me-
2"></i>Billing</a>
    <a href="services.html" class="nav-item nav-link"><i class="fa fa-keyboard me-
2"></i>Services</a>
      <a href="history.html" class="nav-item nav-link"><i class="fa fa-table me-
2"></i>History</a>
        <a href="contact.html" class="nav-item nav-link"><i class="fa fa-chart-bar me-
2"></i>Contact</a>

    </div>
  </nav>
</div>
<!-- Sidebar End -->

<!-- Content Start -->
<div class="content">
```

```
<!-- Navbar Start -->
<nav class="navbar navbar-expand bg-light navbar-light sticky-top px-4 py-0">
  <a href="index.html" class="navbar-brand d-flex d-lg-none me-4">
    <h2 class="text-primary mb-0"><i class="fa fa-hashtag"></i></h2>
  </a>
  <a href="#" class="sidebar-toggler flex-shrink-0">
    <i class="fa fa-bars"></i>
  </a>
  <div class="navbar-nav align-items-center ms-auto">
    <div class="nav-item dropdown">
      <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
        <i class="fa fa-envelope me-lg-2"></i>
        <span class="d-none d-lg-inline-flex">Message</span>
      </a>
      <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
        <a href="#" class="dropdown-item">
          <div class="d-flex align-items-center">
            
            <div class="ms-2">
              <h6 class="fw-normal mb-0">Jhon send you a message</h6>
              <small>15 minutes ago</small>
            </div>
          </div>
        </a>
        <hr class="dropdown-divider">
        <a href="#" class="dropdown-item">
          <div class="d-flex align-items-center">
            
            <div class="ms-2">
              <h6 class="fw-normal mb-0">Jhon send you a message</h6>
              <small>15 minutes ago</small>
            </div>
          </div>
        </a>
      </div>
    </div>
  </div>
</nav>
```

```
</a>

<hr class="dropdown-divider">

<a href="#" class="dropdown-item">
  <div class="d-flex align-items-center">
    
    <div class="ms-2">
      <h6 class="fw-normal mb-0">Jhon send you a message</h6>
      <small>15 minutes ago</small>
    </div>
  </div>
</a>

<hr class="dropdown-divider">

<a href="#" class="dropdown-item text-center">See all message</a>
</div>
</div>

<div class="nav-item dropdown">
  <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
    <i class="fa fa-bell me-lg-2"></i>
    <span class="d-none d-lg-inline-flex">Alerts</span>
  </a>
  <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">Profile updated</h6>
      <small>15 minutes ago</small>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">New user added</h6>
      <small>15 minutes ago</small>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">Password changed</h6>
      <small>15 minutes ago</small>
    </a>
  </div>
</div>
```

```

        </a>

        <hr class="dropdown-divider">
        <a href="#" class="dropdown-item text-center">See all notifications</a>
    </div>
</div>

<div class="nav-item dropdown">
    <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
        
        <span class="d-none d-lg-inline-flex">Saravanan</span>
    </a>
    <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
        <a href="#" class="dropdown-item">My Profile</a>
        <a href="#" class="dropdown-item">Settings</a>
        <a href="#" class="dropdown-item">Log Out</a>
    </div>
</div>
</div>
</nav>
<!-- Navbar End -->

<div class="dashboard">
    <div class="grid">
        <div class="card sale-mini-report">
            <p class="big-text">Total Sales</p>
            <p id="totalSales" class="sales-amount">Rs. 200.00</p>
            <p class="big-text">Profit</p>
            <p id="totalProfit" class="sales-amount">Rs. 20.00</p>
        </div>
        <div class="card">
            <canvas id="barChart"></canvas>
        </div>
        <div class="card p-3" style="display: flex; align-items: center; justify-content: space-between; height: 300px;">
            <div style="width: 60%; min-height: 250px;">

```

```

<canvas id="pieChart"></canvas>
</div>
<div id="topCategories" style="width: 35%; text-align: left; font-size: 14px;"></div>
</div>

<div class="card services-mini-report">
  <p class="big-text tot-service">Total Services</p>
  <p id="totalServices" class="service-count">62</p>
  <p class="pending-completed-count">Pending: <span style="color: red;">
    class="completed-count">5</span> | Completed: <span
      style="color: green;" class="completed-count">57</span></p>
  </div>
</div>
</div>
</div>

<!-- JavaScript Libraries -->
<script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/js/bootstrap.bundle.min.js"></script>
<script src="lib/chart/chart.min.js"></script>
<script src="lib/easing/easing.min.js"></script>
<script src="lib/waypoints/waypoints.min.js"></script>
<script src="lib/owlcarousel/owl.carousel.min.js"></script>
<script src="lib/tempusdominus/js/moment.min.js"></script>
<script src="lib/tempusdominus/js/moment-timezone.min.js"></script>
<script src="lib/tempusdominus/js/tempusdominus-bootstrap-4.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>

<!-- Template Javascript -->
<script src="js/main.js"></script>
<script src="js/dashscript.js"></script>
</body>

</html>

```

Billing Page

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>DASHMIN - Bootstrap Admin Template</title>
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="" name="keywords">
    <meta content="" name="description">

    <!-- Favicon -->
    <link href="img/favicon.ico" rel="icon">

    <!-- Google Web Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link
        href="https://fonts.googleapis.com/css2?family=Heebo:wght@400;500;600;700&display=swap" rel="stylesheet">

    <!-- Icon Font Stylesheet -->
    <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css"
        rel="stylesheet">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css"
        rel="stylesheet">

    <!-- Libraries Stylesheet -->
    <link href="lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">
    <link href="lib/tempusdominus/css/tempusdominus-bootstrap-4.min.css" rel="stylesheet">
/>

    <!-- Customized Bootstrap Stylesheet -->
    <link href="css/bootstrap.min.css" rel="stylesheet">
```

```

<!-- Template Stylesheet -->
<link href="css/style.css" rel="stylesheet">
<link href="css/billingstyle.css" rel="stylesheet">
</head>

<body>
<div class="container-fluid position-relative bg-white d-flex p-0">
    <!-- Spinner Start -->
    <div id="spinner" class="show bg-white position-fixed translate-middle w-100 vh-100 top-50 start-50 d-flex align-items-center justify-content-center">
        <div class="spinner-border text-primary" style="width: 3rem; height: 3rem;" role="status">
            <span class="sr-only">Loading...</span>
        </div>
    </div>
    <!-- Spinner End -->

    <!-- Sidebar Start -->
    <div class="sidebar pe-4 pb-3">
        <nav class="navbar bg-light navbar-light">
            <a href="index.html" class="navbar-brand mx-4 mb-3">
                <h3 class="text-primary">kalaivani Hub</h3>
            </a>
            <div class="d-flex align-items-center ms-4 mb-4">
                <div class="position-relative">
                    
                    <div
                        class="bg-success rounded-circle border border-2 border-white position-absolute end-0 bottom-0 p-1">
                    </div>
                </div>
                <div class="ms-3">
                    <h6 class="mb-0">Saravanan</h6>
                    <span>Avadi Branch</span>
                </div>
            </div>
        </nav>
    </div>
</div>

```

```
</div>

<div class="navbar-nav w-100">
    <a href="index.html" class="nav-item nav-link active"><i
        class="fa fa-tachometer-alt me-2"></i>Dashboard</a>

    <a href="billing.html" class="nav-item nav-link"><i class="fa fa-th me-
2"></i>Billing</a>
    <a href="services.html" class="nav-item nav-link"><i class="fa fa-keyboard me-
2"></i>Services</a>
    <a href="history.html" class="nav-item nav-link"><i class="fa fa-table me-
2"></i>History</a>
    <a href="contact.html" class="nav-item nav-link"><i class="fa fa-chart-bar me-
2"></i>Contact</a>

</div>
</nav>
</div>
<!-- Sidebar End -->

<!-- Content Start -->
<div class="content">
    <!-- Navbar Start -->
    <nav class="navbar navbar-expand bg-light navbar-light sticky-top px-4 py-0">
        <a href="index.html" class="navbar-brand d-flex d-lg-none me-4">
            <h2 class="text-primary mb-0"><i class="fa fa-hashtag"></i></h2>
        </a>
        <a href="#" class="sidebar-toggler flex-shrink-0">
            <i class="fa fa-bars"></i>
        </a>
        <div class="navbar-nav align-items-center ms-auto">
            <div class="nav-item dropdown">
                <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
                    <i class="fa fa-envelope me-lg-2"></i>
                    <span class="d-none d-lg-inline-flex">Message</span>
                </a>
            </div>
        </div>
    </nav>
    <!-- Content Start -->
    <div class="content">
        <!-- Main Content -->
    </div>
</div>
```

```
<div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">

    <a href="#" class="dropdown-item">
        <div class="d-flex align-items-center">
            
            <div class="ms-2">
                <h6 class="fw-normal mb-0">Jhon send you a message</h6>
                <small>15 minutes ago</small>
            </div>
        </div>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item">
        <div class="d-flex align-items-center">
            
            <div class="ms-2">
                <h6 class="fw-normal mb-0">Jhon send you a message</h6>
                <small>15 minutes ago</small>
            </div>
        </div>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item">
        <div class="d-flex align-items-center">
            
            <div class="ms-2">
                <h6 class="fw-normal mb-0">Jhon send you a message</h6>
                <small>15 minutes ago</small>
            </div>
        </div>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item text-center">See all message</a>
```

```
</div>
</div>
<div class="nav-item dropdown">
  <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
    <i class="fa fa-bell me-lg-2"></i>
    <span class="d-none d-lg-inline-flex">Alerts</span>
  </a>
  <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">Profile updated</h6>
      <small>15 minutes ago</small>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">New user added</h6>
      <small>15 minutes ago</small>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">Password changed</h6>
      <small>15 minutes ago</small>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item text-center">See all notifications</a>
  </div>
</div>
<div class="nav-item dropdown">
  <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
    
    <span class="d-none d-lg-inline-flex">Saravanan</span>
  </a>
  <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
    <a href="#" class="dropdown-item">My Profile</a>
```

```

        <a href="#" class="dropdown-item">Settings</a>
        <a href="#" class="dropdown-item">Log Out</a>
    </div>
</div>
</div>
</nav>
<!-- Navbar End -->

<div class="container">
<!-- Billing Section -->
<div class="billing" id="billing">
    <h2>Billing Page</h2>
    <div id="serviceButtons"></div>
    <input type="number" id="amount" placeholder="Enter Amount" disabled>
    <button onclick="addService()" id="addServiceBtn" disabled>Add</button>
    <button onclick="calculateTotal()">Calculate Total</button>
    <table>
        <thead>
            <tr>
                <th>Service</th>
                <th>Amount</th>
                <th>Actions</th>
            </tr>
        </thead>
        <tbody id="selectedServices"></tbody>
    </table>
    <h3>Total: ₹<span id="totalAmount">0</span></h3>
    <input type="text" id="customerName" placeholder="Enter Customer Name">
    <button onclick="saveBill()">Save Bill</button>
    <button onclick="printBill(-1)">Print Bill</button>
    <button onclick="exportToCSV()">Export to CSV</button>
</div>

<!-- Service Management Section -->
<div class="services" id="services">
    <h2>Manage Services</h2>

```

```

<input type="text" id="newService" placeholder="Enter New Service Name">
<button onclick="addNewService()">Add Service</button>
<ul id="serviceList"></ul>
</div>
</div>

<!-- Full-Screen Billing History Section -->
<div class="history" id="dashboard">
    <h2>Billing History</h2>
    <input type="text" id="searchHistory" placeholder="Search by Name or Date"
    oninput="filterHistory()">
    <table>
        <thead>
            <tr>
                <th>S.No</th>
                <th>Customer Name</th>
                <th>Date</th>
                <th>Bill Amount</th>
                <th>Print</th>
                <th>Delete</th>
            </tr>
        </thead>
        <tbody id="billHistory"></tbody>
    </table>
</div>

<!-- Back to Top -->
<a href="#" class="btn btn-lg btn-primary btn-lg-square back-to-top"><i class="bi bi-arrow-up"></i></a>
</div>

<!-- JavaScript Libraries -->
<script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/js/bootstrap.bundle.min.js"></script>
<script src="lib/chart/chart.min.js"></script>

```

```

<script src="lib/easing/easing.min.js"></script>
<script src="lib/waypoints/waypoints.min.js"></script>
<script src="lib/owlcarousel/owl.carousel.min.js"></script>
<script src="lib/tempusdominus/js/moment.min.js"></script>
<script src="lib/tempusdominus/js/moment-timezone.min.js"></script>
<script src="lib/tempusdominus/js/tempusdominus-bootstrap-4.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>

<!-- Template Javascript --&gt;
&lt;script src="js/main.js"&gt;&lt;/script&gt;
&lt;script src="js/billscript.js"&gt;&lt;/script&gt;
&lt;/body&gt;

&lt;/html&gt;
</pre>

```

Services Page

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>DASHMIN - Bootstrap Admin Template</title>
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="" name="keywords">
    <meta content="" name="description">

    <!-- Favicon --&gt;
    &lt;link href="img/favicon.ico" rel="icon"&gt;

    <!-- Google Web Fonts --&gt;
    &lt;link rel="preconnect" href="https://fonts.googleapis.com"&gt;
    &lt;link rel="preconnect" href="https://fonts.gstatic.com" crossorigin&gt;
    &lt;link
        href="https://fonts.googleapis.com/css2?family=Heebo:wght@400;500;600;700&amp;display=swap" rel="stylesheet"&gt;
</pre>

```

```

<!-- Icon Font Stylesheet -->
<link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css"
rel="stylesheet">
<link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css"
rel="stylesheet">

<!-- Libraries Stylesheet -->
<link href="lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">
<link href="lib/tempusdominus/css/tempusdominus-bootstrap-4.min.css" rel="stylesheet">
/>

<!-- Customized Bootstrap Stylesheet -->
<link href="css/bootstrap.min.css" rel="stylesheet">

<link href="css/style.css" rel="stylesheet">
<link rel="stylesheet" href="css/servicesstyle.css">
</head>

<body>
<div class="container-fluid position-relative bg-white d-flex p-0">
<!-- Spinner Start -->
<div id="spinner" class="show bg-white position-fixed translate-middle w-100 vh-100
top-50 start-50 d-flex align-items-center justify-content-center">
<div class="spinner-border text-primary" style="width: 3rem; height: 3rem;">
<span class="sr-only">Loading...karthiga Hub</h3>
</a>

```

```
<div class="d-flex align-items-center ms-4 mb-4">
    <div class="position-relative">
        
        <div
            class="bg-success rounded-circle border border-2 border-white position-
absolute end-0 bottom-0 p-1">
            </div>
        </div>
        <div class="ms-3">
            <h6 class="mb-0">Saravanan</h6>
            <span>Avadi Branch</span>
        </div>
    </div>
    <div class="navbar-nav w-100">
        <a href="index.html" class="nav-item nav-link active"><i
            class="fa fa-tachometer-alt me-2"></i>Dashboard</a>

        <a href="billing.html" class="nav-item nav-link"><i class="fa fa-th me-
2"></i>Billing</a>
            <a href="services.html" class="nav-item nav-link"><i class="fa fa-keyboard me-
2"></i>Services</a>
            <a href="history.html" class="nav-item nav-link"><i class="fa fa-table me-
2"></i>History</a>
            <a href="contact.html" class="nav-item nav-link"><i class="fa fa-chart-bar me-
2"></i>Contact</a>

        </div>
    </nav>
</div>
<!-- Sidebar End -->

<!-- Content Start -->
<div class="content">
    <!-- Navbar Start -->
    <nav class="navbar navbar-expand bg-light navbar-light sticky-top px-4 py-0">
```

```
<a href="index.html" class="navbar-brand d-flex d-lg-none me-4">
  <h2 class="text-primary mb-0"><i class="fa fa-hashtag"></i></h2>
</a>
<a href="#" class="sidebar-toggler flex-shrink-0">
  <i class="fa fa-bars"></i>
</a>
<div class="navbar-nav align-items-center ms-auto">
  <div class="nav-item dropdown">
    <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
      <i class="fa fa-envelope me-lg-2"></i>
      <span class="d-none d-lg-inline-flex">Message</span>
    </a>
    <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0
rounded-bottom m-0">
      <a href="#" class="dropdown-item">
        <div class="d-flex align-items-center">
          
          <div class="ms-2">
            <h6 class="fw-normal mb-0">Jhon send you a message</h6>
            <small>15 minutes ago</small>
          </div>
        </div>
      </a>
      <hr class="dropdown-divider">
      <a href="#" class="dropdown-item">
        <div class="d-flex align-items-center">
          
          <div class="ms-2">
            <h6 class="fw-normal mb-0">Jhon send you a message</h6>
            <small>15 minutes ago</small>
          </div>
        </div>
      </a>
      <hr class="dropdown-divider">
```

```
<a href="#" class="dropdown-item">
    <div class="d-flex align-items-center">
        
        <div class="ms-2">
            <h6 class="fw-normal mb-0">Jhon send you a message</h6>
            <small>15 minutes ago</small>
        </div>
    </div>
</a>
<hr class="dropdown-divider">
<a href="#" class="dropdown-item text-center">See all message</a>
</div>
</div>
<div class="nav-item dropdown">
    <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
        <i class="fa fa-bell me-lg-2"></i>
        <span class="d-none d-lg-inline-flex">Alerts</span>
    </a>
    <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0
rounded-bottom m-0">
        <a href="#" class="dropdown-item">
            <h6 class="fw-normal mb-0">Profile updated</h6>
            <small>15 minutes ago</small>
        </a>
        <hr class="dropdown-divider">
        <a href="#" class="dropdown-item">
            <h6 class="fw-normal mb-0">New user added</h6>
            <small>15 minutes ago</small>
        </a>
        <hr class="dropdown-divider">
        <a href="#" class="dropdown-item">
            <h6 class="fw-normal mb-0">Password changed</h6>
            <small>15 minutes ago</small>
        </a>
        <hr class="dropdown-divider">
```

```

        <a href="#" class="dropdown-item text-center">See all notifications</a>
    </div>
</div>

<div class="nav-item dropdown">
    <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
        
        <span class="d-none d-lg-inline-flex">Saravanan</span>
    </a>
    <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
        <a href="#" class="dropdown-item">My Profile</a>
        <a href="#" class="dropdown-item">Settings</a>
        <a href="#" class="dropdown-item">Log Out</a>
    </div>
</div>
</div>
</div>
</nav>
<!-- Navbar End -->

<div class="container">
    <header class="header">
        <h1>E-Services Management</h1>
        <div class="current-time" id="currentTime"></div>
    </header>

    <div class="search-container">
        <input type="text" class="search-input" placeholder="Search by customer name or job ID..." id="searchInput">
        <button class="search-button" id="searchButton">Search</button>
        <button class="add-new-button" id="addNewButton">+ New Job</button>
    </div>

    <div class="table-container">
        <table>
            <thead>

```

```

<tr>
    <th>Job ID</th>
    <th>Customer Name</th>
    <th>Service Type</th>
    <th>Specification</th>
    <th>Date/Time</th>
    <th>Amount (₹)</th>
    <th>Document</th>
    <th>Status</th>
    <th>Actions</th>
</tr>
</thead>
<tbody id="serviceTableBody">
    <!-- Data will be inserted here by JavaScript -->
</tbody>
</table>
</div>

<!-- Modal for adding new service -->
<div class="modal" id="serviceModal">
    <div class="modal-content">
        <span class="close-button" id="closeModal">&times;</span>
        <h2>Add New Service</h2>
        <form id="serviceForm">
            <div class="form-group">
                <label for="customerName">Customer Name:</label>
                <input type="text" id="customerName" required>
            </div>
            <div class="form-group">
                <label for="serviceType">Service Type:</label>
                <select id="serviceType" required>
                    <option value="">Select Service</option>
                    <option value="Photocopy">Aadhar</option>
                    <option value="Printing">Ration</option>
                    <option value="Scanning">Voter</option>
                    <option value="Lamination">Certificate</option>
                </select>
            </div>
        </form>
    </div>
</div>

```

```

        <option value="Binding">GST</option>
        <option value="Fax">Fssai</option>
    </select>
</div>
<div class="form-group">
    <label for="pages">Specifiactions</label>
    <input type="text" id="pages" >
</div>
<div class="form-group">
    <label for="amount">Amount (₹):</label>
    <input type="number" id="amount" min="0" step="0.01" required>
</div>
<div class="form-group">
    <label for="documentUpload">Upload Document:</label>
    <input type="file" id="documentUpload"
accept=".pdf,.doc,.docx,.jpg,.jpeg,.png">
    <div id="uploadPreview" class="upload-preview"></div>
</div>
    <button type="submit" class="submit-button">Add Service</button>
</form>
</div>
</div>

<!-- Document Viewer Modal -->
<div class="modal" id="documentModal">
    <div class="modal-content document-modal-content">
        <span class="close-button" id="closeDocModal">&times;</span>
        <h2 id="docModalTitle">Document Viewer</h2>
        <div id="documentViewerContent">
            <!-- Document will be displayed here -->
        </div>
    </div>
</div>
</div>

<!-- Back to Top -->

```

```

<a href="#" class="btn btn-lg btn-primary btn-lg-square back-to-top"><i class="bi bi-arrow-up"></i></a>
</div>

<!-- JavaScript Libraries -->
<script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/js/bootstrap.bundle.min.js"></script>
<script src="lib/chart/chart.min.js"></script>
<script src="lib/easing/easing.min.js"></script>
<script src="lib/waypoints/waypoints.min.js"></script>
<script src="lib/owlcarousel/owl.carousel.min.js"></script>
<script src="lib/tempusdominus/js/moment.min.js"></script>
<script src="lib/tempusdominus/js/moment-timezone.min.js"></script>
<script src="lib/tempusdominus/js/tempusdominus-bootstrap-4.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>

<!-- Template Javascript -->
<script src="js/main.js"></script>
<script src="js/servicescript.js"></script>
</body>

</html>

```

Bill History Page

```

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <title>DASHMIN - Bootstrap Admin Template</title>
  <meta content="width=device-width, initial-scale=1.0" name="viewport">
  <meta content="" name="keywords">
  <meta content="" name="description">

  <!-- Favicon -->

```

```
<link href="img/favicon.ico" rel="icon">

<!-- Google Web Fonts -->
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Heebo:wght@400;500;600;700&display=swap" rel="stylesheet">

<!-- Icon Font Stylesheet -->
<link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
<link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">

<!-- Libraries Stylesheet -->
<link href="lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">
<link href="lib/tempusdominus/css/tempusdominus-bootstrap-4.min.css" rel="stylesheet">
/>

<!-- Customized Bootstrap Stylesheet -->
<link href="css/bootstrap.min.css" rel="stylesheet">

<!-- Template Stylesheet -->
<link href="css/style.css" rel="stylesheet">
<link rel="stylesheet" href="css/historystyle.css">
</head>

<body>
<div class="container-fluid position-relative bg-white d-flex p-0">
<!-- Spinner Start -->
<div id="spinner"
      class="show bg-white position-fixed translate-middle w-100 vh-100 top-50 start-50 d-flex align-items-center justify-content-center">
      <div class="spinner-border text-primary" style="width: 3rem; height: 3rem;" role="status">
```

```
<span class="sr-only">Loading...</span>
</div>
</div>
<!-- Spinner End -->

<!-- Sidebar Start -->
<div class="sidebar pe-4 pb-3">
    <nav class="navbar bg-light navbar-light">
        <a href="index.html" class="navbar-brand mx-4 mb-3">
            <h3 class="text-primary">kalaivani Hub</h3>
        </a>
        <div class="d-flex align-items-center ms-4 mb-4">
            <div class="position-relative">
                
            <div
                class="bg-success rounded-circle border border-2 border-white position-absolute end-0 bottom-0 p-1">
                </div>
            </div>
            <div class="ms-3">
                <h6 class="mb-0">Saravanan</h6>
                <span>Avadi Branch</span>
            </div>
        </div>
        <div class="navbar-nav w-100">
            <a href="index.html" class="nav-item nav-link active"><i
                class="fa fa-tachometer-alt me-2"></i>Dashboard</a>
            <a href="billing.html" class="nav-item nav-link"><i class="fa fa-th me-2"></i>Billing</a>
            <a href="services.html" class="nav-item nav-link"><i class="fa fa-keyboard me-2"></i>Services</a>
            <a href="history.html" class="nav-item nav-link"><i class="fa fa-table me-2"></i>History</a>
        </div>
    </nav>
</div>
```

```

    <a href="contact.html" class="nav-item nav-link"><i class="fa fa-chart-bar me-2"></i>Contact</a>

    </div>
</nav>
</div>
<!-- Sidebar End -->

<!-- Content Start -->
<div class="content">
<!-- Navbar Start -->
<nav class="navbar navbar-expand bg-light navbar-light sticky-top px-4 py-0">
    <a href="index.html" class="navbar-brand d-flex d-lg-none me-4">
        <h2 class="text-primary mb-0"><i class="fa fa-hashtag"></i></h2>
    </a>
    <a href="#" class="sidebar-toggler flex-shrink-0">
        <i class="fa fa-bars"></i>
    </a>
    <div class="navbar-nav align-items-center ms-auto">
        <div class="nav-item dropdown">
            <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
                <i class="fa fa-envelope me-lg-2"></i>
                <span class="d-none d-lg-inline-flex">Message</span>
            </a>
            <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
                <a href="#" class="dropdown-item">
                    <div class="d-flex align-items-center">
                        
                        <div class="ms-2">
                            <h6 class="fw-normal mb-0">Jhon send you a message</h6>
                            <small>15 minutes ago</small>
                        </div>
                    </div>
                </a>
            </div>
        </div>
    </div>

```

```
<hr class="dropdown-divider">
<a href="#" class="dropdown-item">
  <div class="d-flex align-items-center">
    
    <div class="ms-2">
      <h6 class="fw-normal mb-0">Jhon send you a message</h6>
      <small>15 minutes ago</small>
    </div>
  </div>
</a>
<hr class="dropdown-divider">
<a href="#" class="dropdown-item">
  <div class="d-flex align-items-center">
    
    <div class="ms-2">
      <h6 class="fw-normal mb-0">Jhon send you a message</h6>
      <small>15 minutes ago</small>
    </div>
  </div>
</a>
<hr class="dropdown-divider">
<a href="#" class="dropdown-item text-center">See all message</a>
</div>
</div>
<div class="nav-item dropdown">
  <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
    <i class="fa fa-bell me-lg-2"></i>
    <span class="d-none d-lg-inline-flex">Alerts</span>
  </a>
  <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">Profile updated</h6>
      <small>15 minutes ago</small>
    </a>
  </div>
</div>
```

```

        </a>

        <hr class="dropdown-divider">
        <a href="#" class="dropdown-item">
            <h6 class="fw-normal mb-0">New user added</h6>
            <small>15 minutes ago</small>
        </a>
        <hr class="dropdown-divider">
        <a href="#" class="dropdown-item">
            <h6 class="fw-normal mb-0">Password changed</h6>
            <small>15 minutes ago</small>
        </a>
        <hr class="dropdown-divider">
        <a href="#" class="dropdown-item text-center">See all notifications</a>
    </div>
</div>
<div class="nav-item dropdown">
    <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
        
        <span class="d-none d-lg-inline-flex">Saravanan</span>
    </a>
    <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
        <a href="#" class="dropdown-item">My Profile</a>
        <a href="#" class="dropdown-item">Settings</a>
        <a href="#" class="dropdown-item">Log Out</a>
    </div>
</div>
</div>
</nav>

```

<!-- Navbar End -->

```

<div class="history-container">
    <header class="history-header">

```

```

<h1><i class="fas fa-file-invoice-dollar"></i> Bill History</h1>
<div class="history-controls">
  <div class="search-box">
    <i class="fas fa-search"></i>
    <input type="text" id="searchCustomer" placeholder="Search customer...">
  </div>
  <div class="date-filter">
    <label for="searchDate"><i class="fas fa-calendar-alt"></i></label>
    <input type="date" id="searchDate">
  </div>
  <button class="refresh-btn" onclick="renderBillHistory()">
    <i class="fas fa-sync-alt"></i> Refresh
  </button>
</div>
</header>

<div class="bill-table-container">
  <table>
    <thead>
      <tr>
        <th>Date & Time</th>
        <th>Customer</th>
        <th>Services</th>
        <th>Total</th>
        <th>Actions</th>
      </tr>
    </thead>
    <tbody id="billHistory"></tbody>
  </table>
</div>

<div class="history-stats">
  <div class="stat-card">
    <span>Total Bills</span>
    <strong id="totalBills">0</strong>
  </div>

```

```
<div class="stat-card">
    <span>Total Revenue</span>
    <strong id="totalRevenue">₹0</strong>
</div>

<div class="stat-card">
    <span>Today's Bills</span>
    <strong id="todaysBills">0</strong>
</div>
</div>

<!-- Back to Top -->
<a href="#" class="btn btn-lg btn-primary btn-lg-square back-to-top"><i class="bi bi-arrow-up"></i></a>

</div>

<!-- JavaScript Libraries -->
<script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/js/bootstrap.bundle.min.js"></script>
<script src="lib/chart/chart.min.js"></script>
<script src="lib/easing/easing.min.js"></script>
<script src="lib/waypoints/waypoints.min.js"></script>
<script src="lib/owlcarousel/owl.carousel.min.js"></script>
<script src="lib/tempusdominus/js/moment.min.js"></script>
<script src="lib/tempusdominus/js/moment-timezone.min.js"></script>
<script src="lib/tempusdominus/js/tempusdominus-bootstrap-4.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>

<!-- Template Javascript -->
<script src="js/main.js"></script>
<script src="js/historyscript.js"></script>
</body>

</html>
```

Contact Page

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>DASHMIN - Bootstrap Admin Template</title>
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="" name="keywords">
    <meta content="" name="description">

    <!-- Favicon -->
    <link href="img/favicon.ico" rel="icon">

    <!-- Google Web Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link
        href="https://fonts.googleapis.com/css2?family=Heebo:wght@400;500;600;700&display=swap" rel="stylesheet">

    <!-- Icon Font Stylesheet -->
    <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css"
        rel="stylesheet">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css"
        rel="stylesheet">

    <!-- Libraries Stylesheet -->
    <link href="lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">
    <link href="lib/tempusdominus/css/tempusdominus-bootstrap-4.min.css" rel="stylesheet">
/>

    <!-- Customized Bootstrap Stylesheet -->
    <link href="css/bootstrap.min.css" rel="stylesheet">

    <!-- Template Stylesheet -->
```

```
<link href="css/style.css" rel="stylesheet">
<link rel="stylesheet" href="css/contactstyle.css">
</head>

<body>
  <div class="container-fluid position-relative bg-white d-flex p-0">
    <!-- Spinner Start -->
    <div id="spinner"
      class="show bg-white position-fixed translate-middle w-100 vh-100 top-50 start-50 d-
      flex align-items-center justify-content-center">
      <div class="spinner-border text-primary" style="width: 3rem; height: 3rem;" role="status">
        <span class="sr-only">Loading...</span>
      </div>
    </div>
    <!-- Spinner End -->

    <!-- Sidebar Start -->
    <div class="sidebar pe-4 pb-3">
      <nav class="navbar bg-light navbar-light">
        <a href="index.html" class="navbar-brand mx-4 mb-3">
          <h3 class="text-primary">kalaivani Hub</h3>
        </a>
        <div class="d-flex align-items-center ms-4 mb-4">
          <div class="position-relative">
            
            <div
              class="bg-success rounded-circle border border-2 border-white position-
              absolute end-0 bottom-0 p-1">
            </div>
          </div>
          <div class="ms-3">
            <h6 class="mb-0">Saravanan</h6>
            <span>Avadi Branch</span>
          </div>
        </div>
      </nav>
    </div>
  </div>
</body>
```

```

</div>

<div class="navbar-nav w-100">
    <a href="index.html" class="nav-item nav-link active"><i
        class="fa fa-tachometer-alt me-2"></i>Dashboard</a>

    <a href="billing.html" class="nav-item nav-link"><i class="fa fa-th me-
2"></i>Billing</a>
    <a href="services.html" class="nav-item nav-link"><i class="fa fa-keyboard me-
2"></i>Services</a>
    <a href="history.html" class="nav-item nav-link"><i class="fa fa-table me-
2"></i>History</a>
    <a href="contact.html" class="nav-item nav-link"><i class="fa fa-chart-bar me-
2"></i>Contact</a>

</div>
</nav>
</div>
<!-- Sidebar End -->

<!-- Content Start -->
<div class="content">
    <!-- Navbar Start -->
    <nav class="navbar navbar-expand bg-light navbar-light sticky-top px-4 py-0">
        <a href="index.html" class="navbar-brand d-flex d-lg-none me-4">
            <h2 class="text-primary mb-0"><i class="fa fa-hashtag"></i></h2>
        </a>
        <a href="#" class="sidebar-toggler flex-shrink-0">
            <i class="fa fa-bars"></i>
        </a>
        <div class="navbar-nav align-items-center ms-auto">
            <div class="nav-item dropdown">
                <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
                    <i class="fa fa-envelope me-lg-2"></i>
                    <span class="d-none d-lg-inline-flex">Message</span>
                </a>
            </div>
        </div>
    </nav>
</div>

```

```
<div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
  <a href="#" class="dropdown-item">
    <div class="d-flex align-items-center">
      
      <div class="ms-2">
        <h6 class="fw-normal mb-0">Jhon send you a message</h6>
        <small>15 minutes ago</small>
      </div>
    </div>
  </a>
  <hr class="dropdown-divider">
  <a href="#" class="dropdown-item">
    <div class="d-flex align-items-center">
      
      <div class="ms-2">
        <h6 class="fw-normal mb-0">Jhon send you a message</h6>
        <small>15 minutes ago</small>
      </div>
    </div>
  </a>
  <hr class="dropdown-divider">
  <a href="#" class="dropdown-item">
    <div class="d-flex align-items-center">
      
      <div class="ms-2">
        <h6 class="fw-normal mb-0">Jhon send you a message</h6>
        <small>15 minutes ago</small>
      </div>
    </div>
  </a>
  <hr class="dropdown-divider">
  <a href="#" class="dropdown-item text-center">See all message</a>
```

```
</div>
</div>
<div class="nav-item dropdown">
  <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
    <i class="fa fa-bell me-lg-2"></i>
    <span class="d-none d-lg-inline-flex">Alerts</span>
  </a>
  <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">Profile updated</h6>
      <small>15 minutes ago</small>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">New user added</h6>
      <small>15 minutes ago</small>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item">
      <h6 class="fw-normal mb-0">Password changed</h6>
      <small>15 minutes ago</small>
    </a>
    <hr class="dropdown-divider">
    <a href="#" class="dropdown-item text-center">See all notifications</a>
  </div>
</div>
<div class="nav-item dropdown">
  <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">
    
    <span class="d-none d-lg-inline-flex">Saravanan</span>
  </a>
  <div class="dropdown-menu dropdown-menu-end bg-light border-0 rounded-0 rounded-bottom m-0">
    <a href="#" class="dropdown-item">My Profile</a>
```

```

        <a href="#" class="dropdown-item">Settings</a>
        <a href="#" class="dropdown-item">Log Out</a>
    </div>
</div>
</div>
</nav>
<!-- Navbar End -->

<div class="contact-container">
    <!-- tharun your code goes here -->
    <div class="container">
        <h2>Contact Page</h2>

        <br><br>

        <!-- Staff Contacts Table -->
        <h3>Staff Contacts</h3>
        <table>
            <thead>
                <tr>
                    <th>Name</th>
                    <th>Mobile Number</th>
                    <th>Job Title</th>
                    <th>Contact</th>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <td>Tharun A S</td>
                    <td>+91 9876543210</td>
                    <td>Shop 1 Staff</td>
                    <td><button class="contact-btn" data-name="John Doe" data-
mobile="+91 98765 43210"
data-email="john@example.com">Contact</button></td>
                </tr>
                <tr>

```

```
<td>Praveen Kumar G</td>
<td>+91 8765432109</td>
<td>Shop 2 Staff</td>
<td><button class="contact-btn" data-name="Jane Smith" data-
mobile="+91 8765432109"
           data-email="john@example.com">Contact</button></td>
</tr>

<tr>
<td>Saravanan M</td>
<td>+91 7654321098</td>
<td>Shop 3 Staff</td>
<td><button class="contact-btn" data-name="Michael Lee" data-
mobile="+91 98765 43210"
           data-email="john@example.com">Contact</button>
</td>
</td>
</tr>

<tr>
<td>Hemalatha R</td>
<td>+91 6543210987</td>
<td>Shop 4 Staff</td>
<td><button class="contact-btn" data-name="John Doe" data-
mobile="+91 98765 43210"
           data-email="john@example.com">Contact</button></td>
</tr>
</tbody>
</table>
```

```
<br><br>

<!-- Emergency Contacts Table -->
<h3>Emergency Contacts</h3>
<table>
<thead>
<tr>
<th>Name</th>
```

| Mobile Number | Email ID | Contact |
|-----------------------|---------------|---|
| Xerox machine service | +91 987654321 | xeroxservice@example.com Contact |
| Printer Service | +91 987654321 | printerservice@example.com Contact |
| Help desk | +91 987654321 | helpdesk@example.com Contact |


```

<!-- Owner Contacts Table -->
<h3>Owner Contacts</h3>
<table>
  <thead>
    <tr>
      <th>Name</th>
      <th>Mobile Number</th>
      <th>Email ID</th>
      <th>Contact</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Mrs. Kalaivani</td>
      <td>+91 9988776655</td>
      <td>kalaivani@example.com</td>
      <td><button class="contact-btn" data-name="John Doe" data-
mobile="+91 98765 43210"
          data-email="john@example.com">Contact</button></td>
    </td>
    </tr>
    <tr>
      <td>Mr. Sivakumar</td>
      <td>+91 8877665544</td>
      <td>sivakumar@example.com</td>
      <td><button class="contact-btn" data-name="John Doe" data-
mobile="+91 98765 43210"
          data-email="john@example.com">Contact</button></td>
    </td>
    </tr>
    <tr>
      <td>Mr. Thirunavukarasu</td>
      <td>+91 7766554433</td>
      <td>thirunavukarasu@example.com</td>
    </tr>
  </tbody>
</table>

```

```

<td><button class="contact-btn" data-name="John Doe" data-
mobile="+91 98765 43210"
           data-email="john@example.com">Contact</button></td>
</tr>
</tbody>
</table>
</div>


<div id="popup" class="popup">
  <div class="popup-content">
    <span class="close-btn">&times;</span>
    <h3>Contact Details</h3>
    <p><strong>Name:</strong> <span id="popup-name"></span></p>
    <p><strong>Mobile:</strong> <span id="popup-mobile"></span></p>
    <p><strong>Email:</strong> <span id="popup-email"></span></p>

    <!-- Checkboxes -->
    <div class="checkbox-group">
      <label><input type="checkbox" id="confirm-details"> Confirm
      Details</label>
      <label><input type="checkbox" id="urgent-inquiry"> Urgent
      Inquiry</label>
    </div>

    <!-- Email Button -->
    <a id="email-link" href="#" target="_blank" class="email-btn">Send
    Email</a>
  </div>
</div>
</div>

<!-- Back to Top --&gt;
&lt;a href="#" class="btn btn-lg btn-primary btn-lg-square back-to-top"&gt;&lt;i class="bi bi-
arrow-up"&gt;&lt;/i&gt;&lt;/a&gt;
&lt;/div&gt;
</pre>

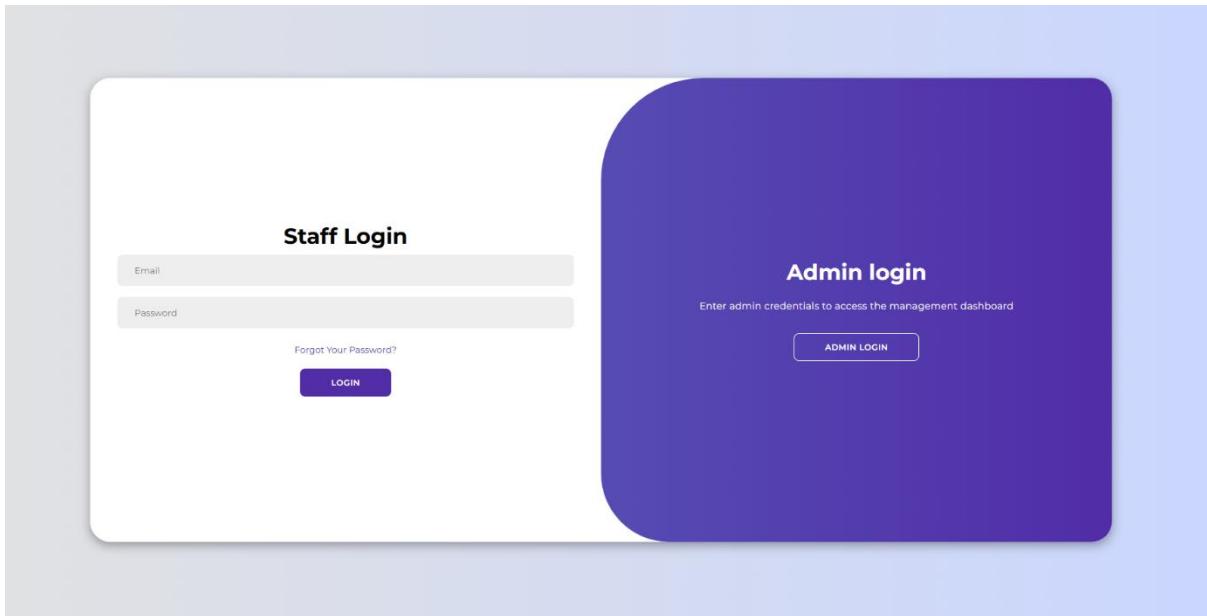
```

```
<!-- JavaScript Libraries -->
<script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/js/bootstrap.bundle.min.js"></script>
<script src="lib/chart/chart.min.js"></script>
<script src="lib/easing/easing.min.js"></script>
<script src="lib/waypoints/waypoints.min.js"></script>
<script src="lib/owlcarousel/owl.carousel.min.js"></script>
<script src="lib/tempusdominus/js/moment.min.js"></script>
<script src="lib/tempusdominus/js/moment-timezone.min.js"></script>
<script src="lib/tempusdominus/js/tempusdominus-bootstrap-4.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>

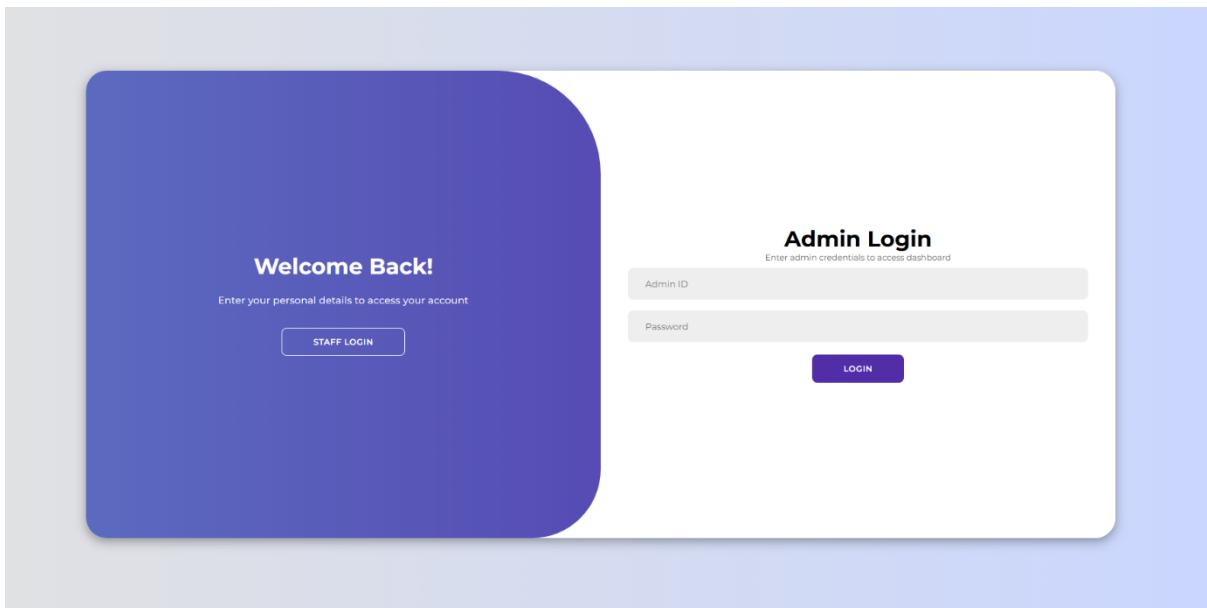
<!-- Template Javascript -->
<script src="js/main.js"></script>
<script src="js/contactscript.js"></script>
</body>
</html>
```

7.2 SAMPLE SNAPSHOTS

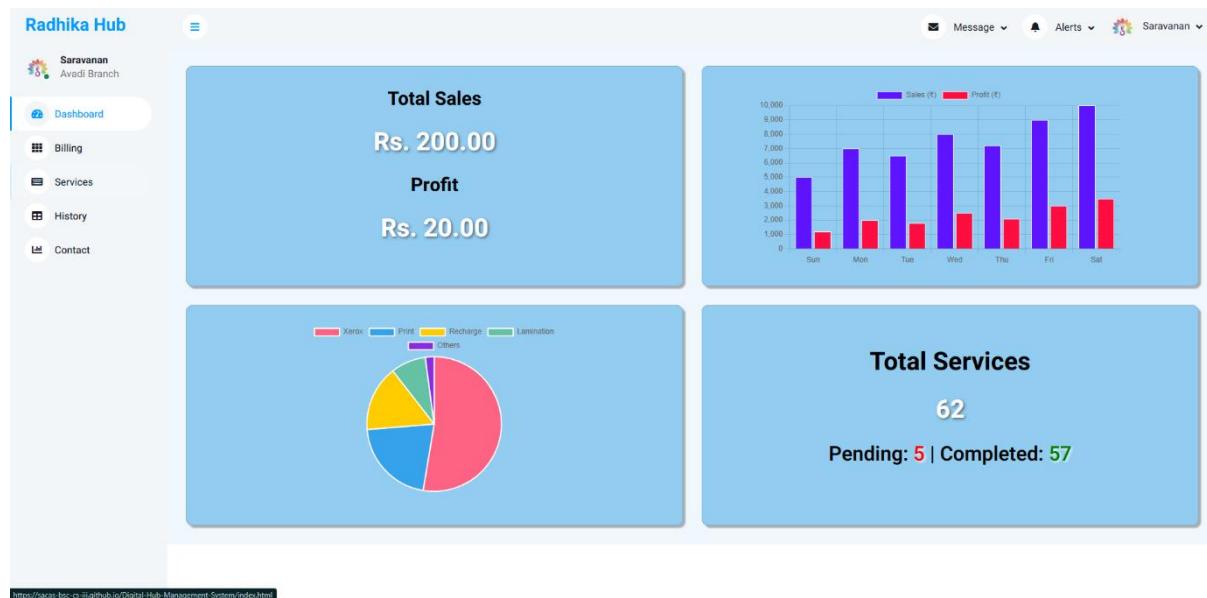
Staff page



Admin Page



Dashboard



Billing Page

The Billing Page allows users to select services and enter amounts. It also includes a section for managing new services.

Billing Page:

- Services: Xerox, Printout, Money Transfer, Lamination, Recharge
- Enter Amount
- Add, Calculate Total buttons
- Table: Service, Amount, Actions
- Total: ₹0
- Enter Customer Name
- Save Bill, Print Bill, Export to CSV buttons

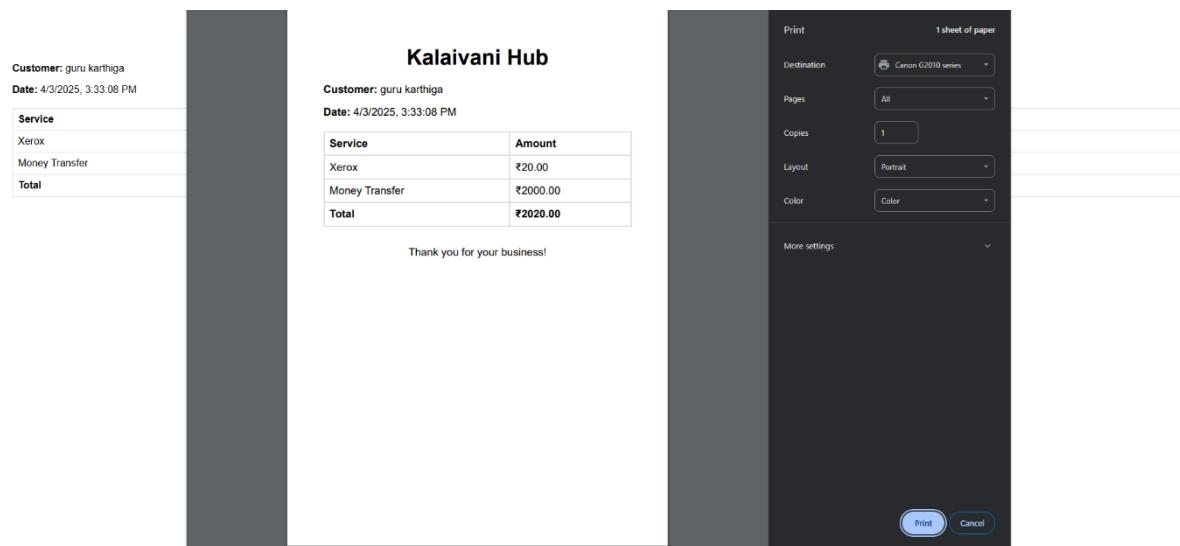
Manage Services:

- Enter New Service Name
- Add Service button

Billing History:

<https://nacar-iso-cs.silpuhub.ac/Digital-Hub-Management-System/billing.html>

Bill Printing Window



Service Management System

The screenshot shows the "karthiga Hub" service management system. The left sidebar has navigation links: Dashboard (which is active), Billing, Services, History, and Contact. The main area is titled "E-Services Management" and displays a table of jobs:

| Job ID | Customer Name | Service Type | Specification | Date/Time | Amount (₹) | Document | Status | Actions |
|-----------|---------------|--------------|---------------|----------------------|------------|------------------------------|-----------|------------------------|
| ESV001001 | Rajesh | Photocopy | 1 | 4/4/2025, 3:50:06 AM | ₹100.00 | Rajesh Aa... | Completed | Delete |

At the top right, there are "Message", "Alerts", and user profile icons for "Saravanan". The bottom status bar shows the date Friday 4 April 2025 at 03:51:10 am, weather (83°F, mostly cloudy), and system icons for battery, signal, and date.

Service Adding Page

The screenshot shows the 'E-Services Management' interface. A modal window titled 'Add New Service' is open. It has fields for 'Customer Name' (with placeholder 'customer name') and 'Service Type'. A dropdown menu titled 'Select Service' is open, showing options like Aadhar, Ration, Voter, Certificate, GST, and Fssai. Below the dropdown is a file upload field labeled 'Upload Document' with a 'Choose File' button and a message 'No file chosen'. At the bottom of the modal is a blue 'Add Service' button.

Bill History

The screenshot shows the 'Bill History' page. At the top, there is a search bar with placeholder 'Search customer...', a date picker with 'dd-mm-yyyy', and a 'Refresh' button. The main area is a table with columns: Date & Time, Customer, Services, Total, and Actions. The table contains eight rows of transaction data:

| Date & Time | Customer | Services | Total | Actions |
|----------------------|---------------|---------------------------------|------------------------------|--|
| 03/04/2025, 02:19 pm | praveen kumar | Xerox | ₹500.00 | Print Delete |
| 03/04/2025, 02:19 pm | praveen kumar | Xerox | ₹500.00 | Print Delete |
| 03/04/2025, 02:19 pm | praveen kumar | Xerox | ₹500.00 | Print Delete |
| 03/04/2025, 02:19 pm | ram | Spiral Printout | ₹200.00 ₹85.00 | Print Delete |
| 03/04/2025, 02:19 pm | ram | Spiral Printout | ₹200.00 ₹85.00 | Print Delete |
| 03/04/2025, 02:19 pm | ram | Spiral Printout | ₹200.00 ₹85.00 | Print Delete |
| 03/04/2025, 02:23 pm | tharun | Xerox Money Transfer Lamination | ₹200.00 ₹500.00 ₹75.00 | Print Delete |
| 03/04/2025, 02:23 pm | tharun | Xerox Money Transfer Lamination | ₹200.00 ₹500.00 ₹75.00 | Print Delete |

Contact Page

The screenshot shows the 'Contact Page' within the 'kalaivani Hub' software. The left sidebar displays navigation links: Dashboard, Billing, Services, History, and Contact. The main content area is titled 'Contact Page' and contains two tables: 'Staff Contacts' and 'Emergency Contacts'. Both tables include columns for Name, Mobile Number, Job Title/Email ID, and a 'Contact' button.

Staff Contacts

| Name | Mobile Number | Job Title | Contact |
|-----------------|----------------|--------------|---------|
| Tharun A S | +91 9876543210 | Shop 1 Staff | Contact |
| Praveen Kumar G | +91 8765432109 | Shop 2 Staff | Contact |
| Saravanan M | +91 7654321098 | Shop 3 Staff | Contact |
| Hemalatha R | +91 6543210987 | Shop 4 Staff | Contact |

Emergency Contacts

| Name | Mobile Number | Email ID | Contact |
|-----------------------|---------------|----------------------------|---------|
| Xerox machine service | +91 987654321 | xeroxservice@example.com | Contact |
| Printer Service | +91 987654321 | printerservice@example.com | Contact |
| Help desk | +91 987654321 | helpdesk@example.com | Contact |

CHAPTER 8

CONCLUSION

The **Digital Hub Management and Analytics System** was designed and developed with the objective of streamlining the business processes of digital service hubs. Through the implementation of modern web technologies such as **Flask**, **MySQL**, **HTML**, **CSS**, and **JavaScript**, the system has successfully automated manual tasks, eliminated redundancies, and improved data accuracy. Additionally, the incorporation of **data visualization tools** like **Pandas** and **Matplotlib** has enabled business owners to gain real-time insights into their operations, allowing for better decision-making.

This project has demonstrated how digital solutions can be applied to local businesses to enhance productivity, transparency, and user experience. The system provides a platform for logging daily transactions, monitoring revenue trends, and managing user roles securely—all within a centralized environment.

The feedback received during testing phases has shown that the application is **user-friendly**, **efficient**, and **scalable**. Staff and administrators can now focus more on growing the business rather than maintaining manual records or generating analytics manually.

FUTURE ENHANCEMENTS

While the current system serves as a strong foundation, several improvements can be incorporated in future versions to make it more versatile and robust:

- **Mobile Application Development:** Building an Android or iOS version of the system would make it easier for users to access the system on the go.
- **AI-Based Analytics:** Integrating artificial intelligence and machine learning to provide **predictive analytics**, customer behavior insights, and sales forecasting.
- **Multi-language Support:** To accommodate users from different regions and improve accessibility.
- **SMS & Email Notifications:** Implementing automatic alerts for transaction summaries, low balance alerts, or user activities.
- **Cloud-Based Integration:** Migrating the system to the cloud for **real-time data access and synchronization across multiple hubs.**
- **Inventory Management Module:** Adding capabilities to manage stock levels of physical items like paper, toner, or stationery.
- **Customer Feedback System:** Enabling digital hubs to collect feedback and reviews from their customers for quality improvement.

In conclusion, the **Digital Hub Management and Analytics System** provides a **practical, efficient, and scalable** solution for small and medium digital service centers. With future enhancements, the platform can evolve into a full-fledged business suite, supporting broader operations and delivering greater value to its users.

CHAPTER 9

REFERENCES

- YouTube
- Stack Overflow
- W3schools
- Generative AI Chatbots
 - **ChatGPT**
 - **DeepSeek**