



# BANNARI AMMAN INSTITUTE OF TECHNOLOGY

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SATHYAMANGALAM - 638401 ERODE DISTRICT TAMILNADU INDIA

Ph: 04295-226000/221289 Fax: 04295-226666 Email: stayahead@bitsathy.ac.in Web: www.bitsathy.ac.in

## TECHNICAL APPROVAL COMMITTEE

### GUIDE APPROVAL FORM

Date: \_\_ / \_\_ / 2023

<b>Starting Date of Work</b>				
<b>Sl. No.</b>	<b>Student Name</b>	<b>Reg. No.</b>	<b>Role</b>	<b>Signature</b>
1	ANUSHYAVARSHINI K	7376222AD113	Team Leader	
2	GOKULNATH G	7376222AD137	Team member	
3	RITHICK M K	7376222AD185	Team member	
<b>Applying for the work:</b>		Project		
<b>Title of Work</b>		GARMENTS SHOP MANAGEMENT SYSTEM		

(To be Filled by Faculty In charge)

**No. of students: 3**

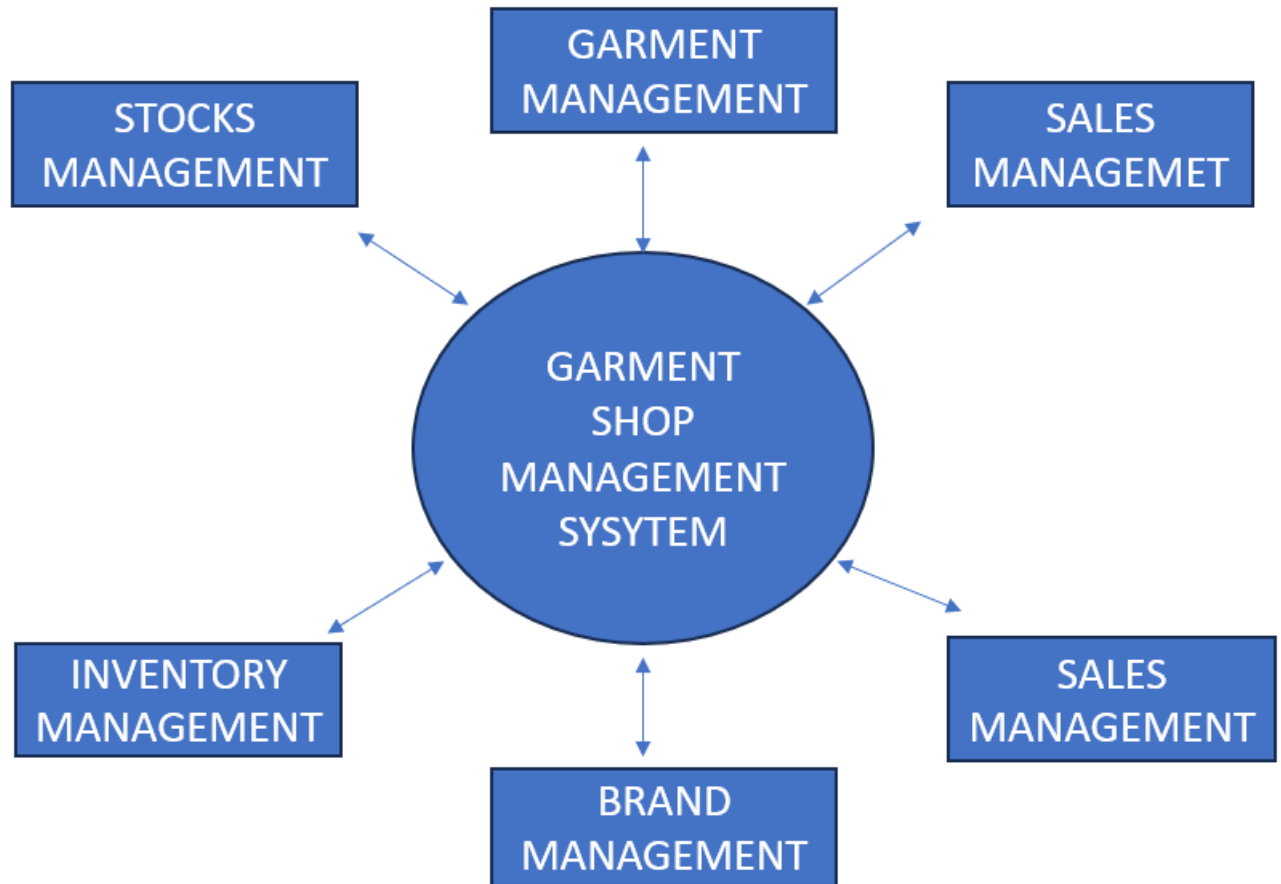
I acknowledge that I will act as a faculty in charge for the aforementioned students and guide them to complete the work by adopting the guidelines provided.

**Lab Name:**

(In case of Faculty belonging to any special lab)

**Name & Signature of the Faculty In charge  
with the date**

## Idea/Approach Details



**IDEA :** GarmentHub is a cutting-edge web platform tailored for garments shop management, designed to elevate the operational efficiency and customer experiences of small to medium-sized fashion retailers. This all-encompassing solution boasts features such as real-time inventory management, a user-friendly point of sale (POS) system, and robust customer relationship management (CRM). By seamlessly integrating e-commerce capabilities, businesses can synchronize in-store and online inventory, offering customers the flexibility of online purchases with in-store pickups. The platform also includes employee management tools, analytics for data-driven decision-making, and supplier relationship management features. Security and compliance measures ensure data protection, while mobile accessibility allows on-the-go management. With a commitment to user support and continuous improvement, GarmentHub aims to streamline garment shop operations, enabling owners to make informed decisions, optimize processes, and provide an outstanding shopping experience.

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### **Features/Functions for ECO FRIENDLY - COIR - COTTON BAGS :**

GarmentHub encompasses a robust set of features and functions designed to optimize the management of garment shops. Its core functionalities include real-time inventory management with the ability to categorize products based on various parameters, receive low-stock alerts, and automate reordering processes. The intuitive Point of Sale (POS) system facilitates seamless transactions, accommodating diverse payment methods and generating receipts and invoices effortlessly.

The platform's Customer Relationship Management (CRM) capabilities empower businesses to build and maintain a comprehensive customer database, allowing for personalized interactions, management of customer preferences, and the implementation of targeted promotions and discounts. E-commerce integration ensures the synchronization of in-store and online inventory, offering customers the flexibility of online purchases with in-store pickup options and secure online transactions.

GarmentHub extends its utility to employee management, enabling role assignments, tracking performance metrics, and facilitating efficient shift scheduling and time-off management. Analytics and reporting tools provide businesses with detailed insights into sales, inventory turnover, and customer behavior, supporting data-driven decision-making. The system also streamlines supplier relationships through the tracking of supplier information, automated purchase orders, and efficient vendor management, optimizing stock levels and costs.

Security and compliance measures, including secure login credentials and regular system updates, ensure data protection and adherence to regulations. The platform's mobile accessibility feature allows for on-the-go management, enabling users to access inventory, sales reports, and store activities from anywhere. User support and training resources, such as guides and tutorials, contribute to a seamless onboarding process, with continuous updates based on user feedback to enhance the overall user experience. In essence, GarmentHub is a comprehensive solution designed to streamline garment shop operations, foster informed decision-making, and elevate customer engagement.

## **Required Technologies :**

### **Frontend Development:**

React.js or Vue.js: For building a responsive and dynamic user interface.

HTML5/CSS3: For structuring and styling the website.

JavaScript (ES6+): For client-side scripting and interactivity.

### **Backend Development:**

Node.js or Django: For building the backend server to handle business logic.

Express.js (Node.js) or Django Framework (Django): As web application frameworks.

RESTful API: For communication between the frontend and backend.

### **Database:**

MongoDB or PostgreSQL: Depending on your data structure and scalability requirements.

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**Signature of Faculty In Charge**