

# **MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE**

**Deemed to be University**

**(Declared under Distinct Category by Ministry of Education, Government of India)**

**NAAC ACCREDITED WITH A++ GRADE**



## **Project Report**

**On**

## **Development of Ramani – The Ecommerce Website**

### **Submitted By:**

Tejasvi Sharma  
(0901CA221067)

### **Industry Mentor:**

Mrs. Manisha Chaturvedi, Founder, Ramani

### **Faculty Mentor:**

Dr. Parul Saxena, Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

Gwalior – 474005(MP) estd.1957

January – June 2024

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## **Project Report**

**on**

## **Development of Ramani – The Ecommerce Website**

A project report submitted in partial fulfilment of the requirement of the degree of

**MASTERS IN COMPUTER APPLICATION**  
in  
**COMPUTER SCIENCE AND ENGINEERING**

**Submitted By:**

Tejasvi Sharma  
(0901CA221067)

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January – June 2024



A-149, Mahakali Housing Society,  
Shahpura Road, Aura Mall, Arera  
Colony, Bhopal, 462016  
+91-9977602500

## CERTIFICATE

This certify that Ms. Tejasvi Sharma has done her internship at  
Ramani Hathkargha, Bhopal as a Web developer for a duration of 4 months  
from 15-01-24 to 15-05-24.

We wish her best for her future endeavours.

Warm Regards,  
Mrs. Manisha Chaturvedi  
Ramani Hathkargha



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## **CERTIFICATE**

This is certified that **Tejasvi Sharma** (0901CA221067) has submitted the project report titled **Development of Ramani – The ecommerce website** under the mentorship of **Mrs. Manisha Chaturvedi** in partial fulfilment of the requirement for the award of degree of Masters in Computer Application of Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

*Saxena*  
26/4/24

**Dr. Parul Saxena**  
Faculty coordinator  
Assistant Professor  
Computer Science & Engineering

*Dixit*  
26/4/24

**Dr. Manish Dixit**  
Professor and Head  
Computer Science & Engineering  
**Dr. Manish Dixit**  
Professor & HOD  
Department of CSE  
M.I.T.S. Gwalior

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## **DECLARATION**

I hereby declare that the work being presented in this project report, for the fulfilment of partial requirement for the award of the degree of Master in Computer Application in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Mrs. Manisha Chaturvedi, Founder - Ramani, Bhopal, Madhya Pradesh.**

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.



Tejasvi Sharma  
0901CA221067  
2022-2024  
Master in Computer Application  
Computer Science and Engineering

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE**  
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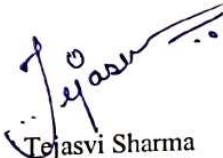
**ACKNOWLEDGEMENT**

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary project. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering**, for allowing me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I would like to extend my heartfelt appreciation to **Mrs. Manisha Chaturvedi**, Founder, Ramani, Bhopal, Madhya Pradesh, for their exceptional mentorship, guidance, and assistance throughout the project. Their valuable inputs and feedback have helped me enhance my knowledge and skills. Their constant encouragement and support have been instrumental in the successful completion of this project.

I am sincerely thankful to my faculty coordinator. I am grateful to the guidance of **Dr. Parul Saxena**, Assistant Professor, Computer Science and Engineering, for her continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.

  
Tejasvi Sharma  
0901CA221067  
2022-2024

Master in Computer Application  
Computer Science and Engineering

## **ABSTRACT**

Ramani – The Ecommerce Website is designed with specifically women in mind. Showcasing the company's stunning handloom collection and increasing its sales and reaching out to a larger audience. As the company's target audience is women of age 30 onwards, the website aims to be lucrative, easy to navigate and checkout for even older and not so tech savvy women.

The website aims to attract and squeeze money from its customers without any rigorous form filling methods, means customers can be authenticated and authorized by using their Facebook or Google accounts, making registration a one click process, any other details are gathered at the time of checkout by the customer. Thus, focusing on customer retention to the website.

On the user's end the website tries to retain its existing users and at the same time increase traffic by offering lucrative offers to its customers, on the other hand, the administrative end it provides the admin with an eye view glance of the overall performance of the website, data including traffic flow, most bought product, grievance and feedback of customers, and makes adding/deleting of products as easier as possible.

The website being designed is fully-responsive meaning it can be accessed from any device (mobile, laptop, tablet, desktop) without its elements being distorted or making it harder to use. The aim is to make the process easier for both the customer and the administrators.

The website makes use of Google Firebase, which is a NoSQL cloud-based database for real time storage, retrieval and analysis of data. It also provides authentication using firebase easy-to-use SDK's and UI libraries allowing authentication of customers making use of email/password, phone number or their social media accounts (Google, Facebook, Twitter).

## सार

रमानी - ईकॉमर्स वेबसाइट विशेष रूप से महिलाओं को ध्यान में रखकर डिज़ाइन की गई है। कंपनी के शानदार हथकरघा संग्रह को प्रदर्शित करना और इसकी बिक्री बढ़ाना और बड़े दर्शकों तक पहुंचना। चूंकि कंपनी की लक्षित दर्शक 30 वर्ष से अधिक उम्र की महिलाएं हैं, इसलिए वेबसाइट का लक्ष्य अधिक उम्र की और तकनीक की कम समझ रखने वाली महिलाओं के लिए भी आकर्षक, नेविगेट करने में आसान और चेकआउट करना है।

वेबसाइट का उद्देश्य अपने ग्राहकों को बिना किसी कठोर फॉर्म भरने के तरीके से आकर्षित करना और उनसे पैसा निचोड़ना है, इसका मतलब है कि ग्राहकों को उनके फेसबुक या गूगल खातों का उपयोग करके प्रमाणित और अधिकृत किया जा सकता है, पंजीकरण को एक क्लिक प्रक्रिया बनाकर, कोई भी अन्य विवरण चेकआउट के समय एकत्र किया जाता है। ग्राहक द्वारा। इस प्रकार, वेबसाइट पर ग्राहकों को बनाए रखने पर ध्यान केंद्रित किया जा रहा है।

उपयोगकर्ता की ओर से वेबसाइट अपने मौजूदा उपयोगकर्ताओं को बनाए रखने की कोशिश करती है और साथ ही अपने ग्राहकों को आकर्षक ऑफर देकर ट्रैफ़िक बढ़ाती है, दूसरी ओर, प्रशासनिक अंत में यह व्यवस्थापक को समग्र प्रदर्शन की एक नज़र प्रदान करती है। वेबसाइट, ट्रैफ़िक प्रवाह, सर्वाधिक खरीदे गए उत्पाद, शिकायत और ग्राहकों की प्रतिक्रिया सहित डेटा, और उत्पादों को जोड़ना/हटाना/छूट देना यथासंभव आसान बनाता है।

डिज़ाइन की जा रही वेबसाइट पूरी तरह से उत्तरदायी है, जिसका अर्थ है कि इसे किसी भी डिवाइस (मोबाइल, लैपटॉप, टैबलेट, डेस्कटॉप) से एकसेस किया जा सकता है, इसके तत्वों को विकृत किए बिना और उपयोग करना कठिन बना दिया गया है। इसका उद्देश्य ग्राहक और प्रशासक दोनों के लिए प्रक्रिया को आसान बनाना है।

वेबसाइट गूगल फायरबेस का उपयोग करती है, जो डेटा के वास्तविक समय भंडारण, पुनर्प्राप्ति और विश्लेषण के लिए एक नोएसक्यूएल क्लाउड-आधारित डेटाबेस है। यह फायरबेस के उपयोग में आसान एसडीके और यूआई लाइब्रेरी का उपयोग करके प्रमाणीकरण भी प्रदान करता है, जिससे उपयोगकर्ताओं को ईमेल/पासवर्ड, फोन नंबर या उनके सोशल मीडिया खातों (गूगल, फेसबुक, ट्विटर) का उपयोग करके प्रमाणीकरण की अनुमति मिलती है।

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## **Chapter 1 – Introduction**

The current operational system on which Ramani works consist of a primitive process of taking orders from their customers/followers on their Instagram or Facebook page, the customer orders a specific item by messaging the social media personnel which pushes this request to the inventory operator, who then ships the product after the payment has been made online. This makes the process tedious, time consuming and doesn't provide the customers with the view of their entire collection.

The new system will provide the customers with at a glance product display, eye catchy visuals and endless scroll of products for better customer retention and conversion rates.

As the customer base largely influxes through Facebook, we will provide Login and authentication with Facebook profile or user's google account. This is where Firebase comes in. The user will also have the option to traditionally create an account by providing their phone number, or any other mail.

On the basis of tech stack used, security, ease of integration and availability of documentation one of the following payment gateways are scheduled to be added to the website checkout process (in decreasing order of preference):

- 1- Razorpay
- 2- Paytm payment gateway
- 3- Google Pay API

On the administrator's side, an admin will have the authority to access customer's database, view incoming and completed orders, inventory stocks, add/delete products, review grievances and feedbacks of customers and reply wherever necessary or get in contact with the customer.

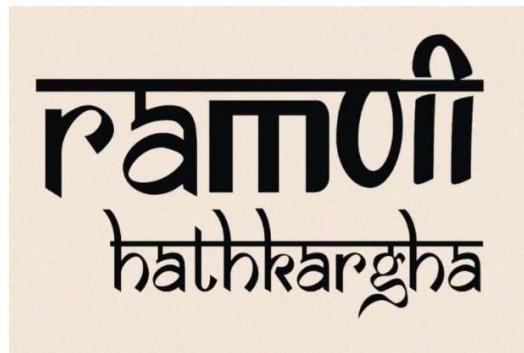
Administrator will also be able to perform data analytics on the data collected through the website again the courtesy of Firebase. Honing the company with a reliable business intelligence system, and provide real time analysis on the database being stored in firebase. Profiting not only the company in making informed decisions but also provide the management to constantly monitor the sales and traffic on the website.

## **1.1. Problem Identification**

The current system being used at the Ramani is obsolete and should be discarded for further growth of the organisation, the new processes that are to be inculcated need to be very simple and efficient to be understood by people of any educational standing.

- 1- The current database about the customers or the products is non-existent and thus needs to be started from the scratch. There is a need to unify and streamline the various currently cluttered processes for smooth functioning in the future.
- 2- No tracks about previous orders or payments, all the information will need to be structured and available for administrators, and checkout process needs to be made easy for customers.
- 3- No real overseeing of the working of the organisation, the dashboard for admins should be able to provide them with any information loaded inside the database with just a click away. The dashboard will provide real-time data for monitoring and analysis, enabling Ramani's management to make informed decisions in a timely manner.
- 4- Currently the business is unable to operate 24\*7 due to its lack of presence online and handling of the ordering process by company's personnel during office hours thus limiting its sales and profitability from the business operation. Once the website will be deployed it will be able to cater to the customers all year round without any interruptions.
- 5- The social media pages for the company only provide the customers with its latest collection pictures or videos, thus not further divulging the prices or details about the products, not only that but this system is unable to display its customers the wide variety of products the company already has in its inventory. Thus, limiting its sales and profitability.

## 1.2. About the organisation



Ramani Hathkargha was started by a housewife in Gwalior, and simply involved buying authentic Handloom clothes from the artisans from Delhi and make it available to other women at affordable prices. Ramani in Hindi translates to literally ‘women’ , thus aiming to empower women in all walks of life. Ramani has been born with Mrs. Manisha Chaturvedi’s passion and love for traditional Indian wear, and her faith for making every woman proud of its tradition and culture by wearing the handlooms produced by authentic craftsmen and thus in turn providing them with employment and yet at the same time safeguarding our tradition, Mrs. Manisha Chaturvedi started out with selling her products home to home and sometimes setting up stalls in art and craft melas. After slowly building up its customer base on Facebook, and around Gwalior. Ramani moved to Bhopal to finally take its roots permanently, there she was met with Mrs. Sangeeta Sharma (Co-Founder) who extended their reach to Instagram and producing engaging and creative content for the company. Ramani now employs hundreds of artisans, providing them with living and keeping the Indian tradition alive and burning in the heart of its customers.

### **1.3. Hardware and Software Specification**

To ensure the optimal performance and reliability of Ramani – The ecommerce website, careful consideration of both hardware and software specifications is imperative. Below are the recommended specifications for deploying and operating the system effectively:

#### **Hardware specifications**

- 1- CPU: Quad-core processor or higher to handle concurrent requests efficiently.
- 2- RAM: Minimum 8 GB RAM.
- 3- Storage: M.2 SSD storage for improved data access speed and responsiveness.
- 4- Internet: Reliable internet connection to facilitate remote access and software updates
- 5- Network: Network infrastructure capable of handling data transfer and communication between servers and client devices.

#### **Software specifications**

- 1- Operating System: Windows 10 Pro or Windows server 2016 or 2019 (64 bit)
- 2- Web browser: Google Chrome latest version with CORS extension installed
- 3- IDE: Visual Studio Code for efficient and clean writing of code
- 4- Database: Firebase console, provides with cloud storage with image/video uploading options and firestore to store documents and collections. Once the project is created on the Firebase console you can attach database URL directly to your project.
- 5- Authentication and Authorization: Implementation of secure authentication mechanisms using JSON Web Tokens (JWT) to ensure authorized access from google or Facebook accounts (service provided by firebase)

These hardware and software specifications lay the foundation for a robust and reliable website, capable of meeting organizational requirements effectively and efficiently. By adhering to these recommendations, organizations and individuals can ensure the seamless operation and performance of the website.

## **Chapter 2 - System Analysis**

### **2.1. Problem Analysis**

- 1- **Obsolete system in place** - As previously discussed, the current system employed by the organisation is obsolete and is in dire need to be discarded and replaced with modern online system. The current system is fragmented in its working, have no storage of any kind of information and requires too much human coordination which isn't very efficient. A new website will not only consolidate the working of the entire system, store and analyse the collected information but will also revamp the brand and launch it in its true essence.
- 2- **No management of data** – Currently there is no storage of customer or order information on the company's behalf. The Ecommerce website will allow the management to view customers information, the available inventory, total sale, and will also allow users to access the company's product at a single location. The website will be used by two end clients- user and administrator.
  - a- Admin will be able to add/delete product, view inventory, analyse collected data, review and resolve feedbacks and grievances.
  - b- Users will be able to browse and add the product to cart, followed by a simple checkout process.
- 3- **No overseeing of company's growth** - The admin dashboard is user-friendly and can give all the details according to the admin's wishes. It will improve decision making process drastically, providing admin with analysis of traffic on the website, total number of customers currently authenticated with the business, and total sales and products sold.
- 4- **Scattered processes with no real coordination** – Since an obsolete system is currently in place, there is no streamline process at work, the line of management is all over the place without the use of any real steps of working.

## **2.2. Feasibility study**

Preliminary investigation examines project feasibility, the likelihood the system will be useful to the organisation. The purpose of this feasibility study is to assess the viability of the ecommerce website which will provide users with smooth navigation, browsing and checkout and will allow the admins to make data-driven decisions and improve overall working of the organisation. This study will evaluate the technical, economic, operational feasibility of the project.

### **2.2.1 Economic feasibility**

<b>S. no.</b>	<b>Title</b>	<b>Amount/Time</b>
1.	Backend Developer	₹ 2,500/-
2.	Database Administrator	₹ 2,000/-
3.	Frontend Designer	₹ 2,000/-
4.	Hardware Cost	₹ 1,000/-
5.	Software Cost	₹ 1,500/-
6.	Utilities Cost	₹ 2,000/-
7.	Miscellaneous Expenses	₹ 1,000/-
Total		₹ 12,000/-

Completion time: 60 working days.

## 2.2.2 Technical feasibility

The hardware and software requirements for the ecommerce website have already been evaluated. The project requires the development of a custom digital platform using React, Tailwind CSS, NodeJS, and Firebase to prepare a marketing and shopping front for customers and an administrative front for handling the data.

### i- Hardware Requirements

S. No.	Title	Description
1	CPU	i3-6 <sup>th</sup> gen and above
2	RAM	8GB and above
3	Storage	256 GB SSD and above
4	NIC Card	For internet connection

### ii- Software Requirements

S. No.	Title	Details
1	OS	Windows 7(Professional) and above or MAC
2	Browser	Chrome, Edge, Mozilla and similar
3	SQL Server	Firebase (NoSQL)
4	IDE	Visual Studio 2022

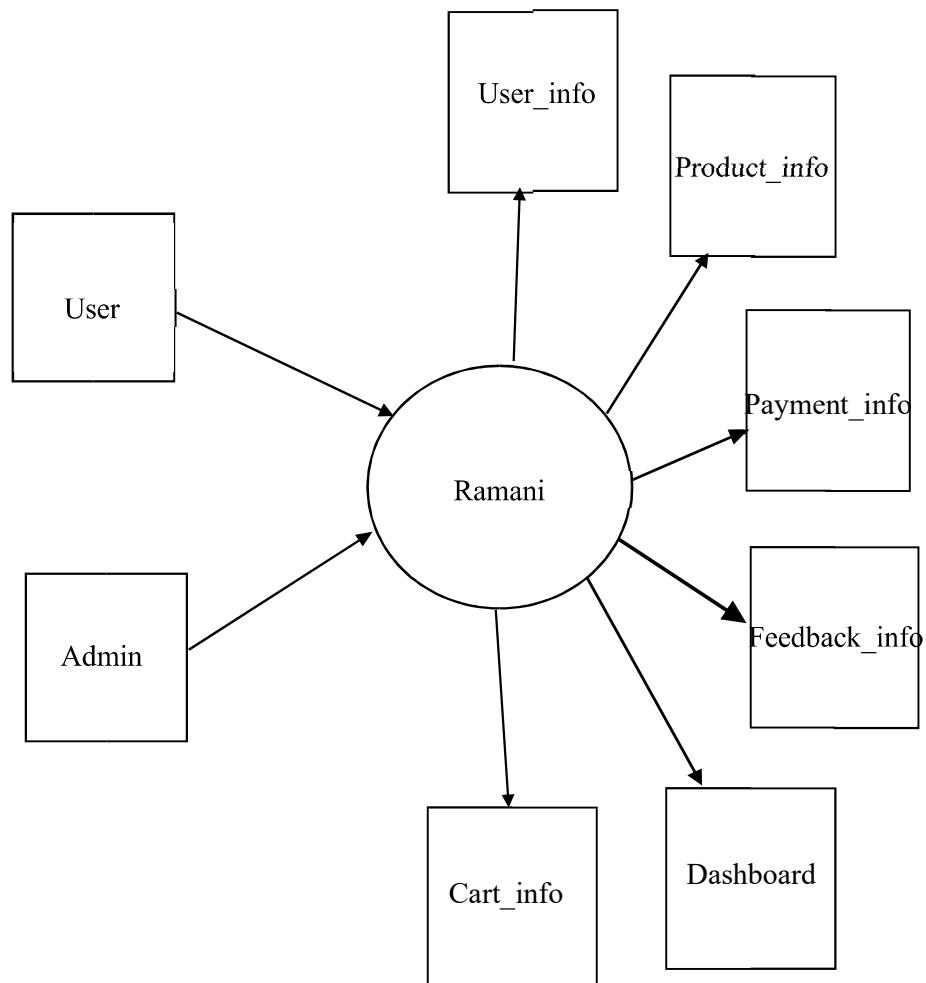
### **2.2.3 Behavioural feasibility**

The behaviour of the system is kept as simplistic, smooth, and with high quality UI/UX design, so as to make it easier for both the customers and the operators to use. The system deployed will make it easier for operators to add or remove data from the website. Training will also be provided to the operators/staff of the company. Thus, we can conclude that this system is behavioural feasible. It was achieved through following steps:

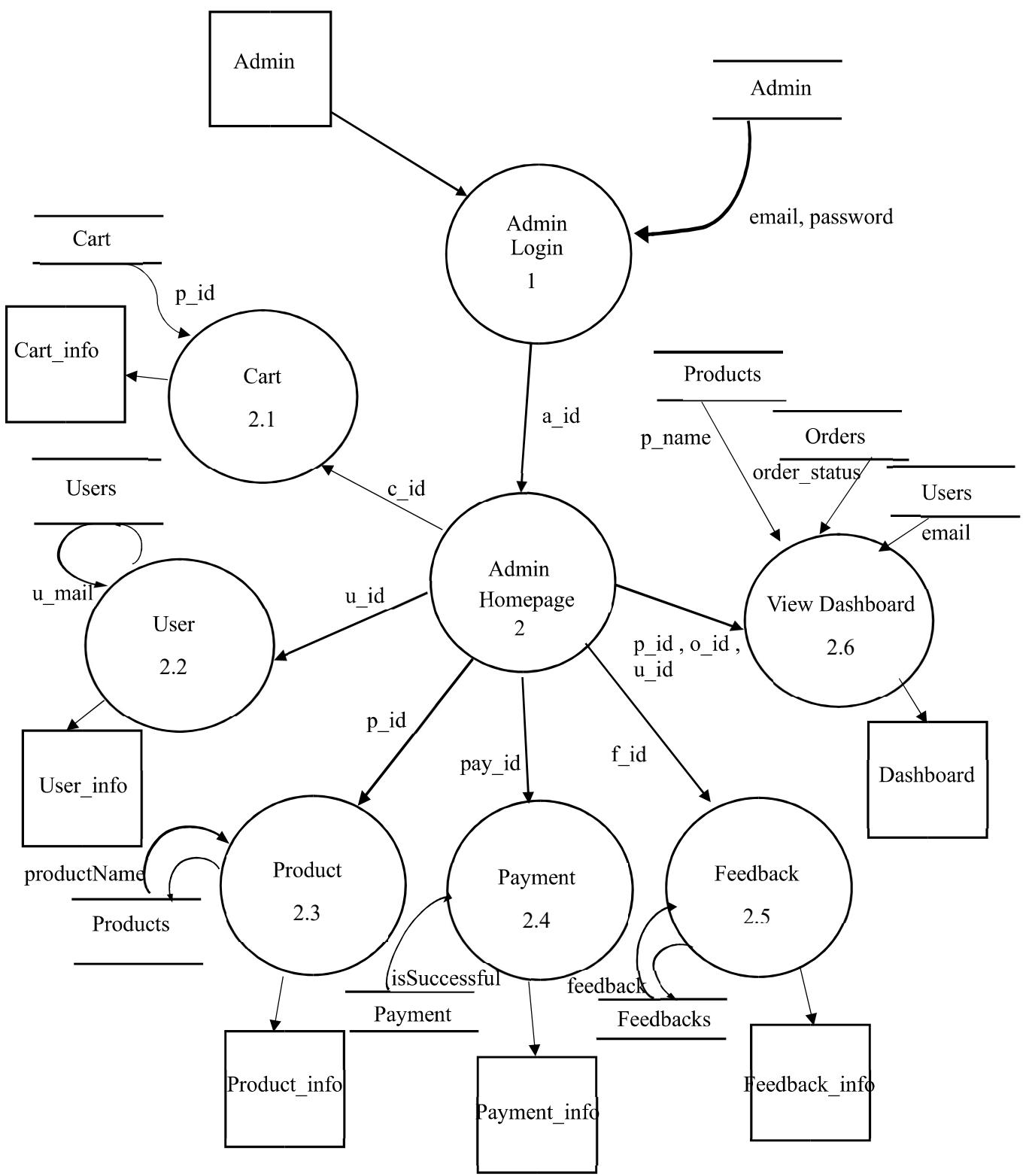
- 1- Regular meetings scheduled between the team members and the head of the organisation to understand how they want things to be and what will suit their customers best, to keep the processes as simple as we can.
- 2- Making the user training manual as to provide sufficient training to the personnel of the organisation to get used to the system.
- 3- As majority of customers influx is from Facebook, we made use of firebase services to grant them authentication from their google or Facebook account for authentication, thus simplifying the registration process.
- 4- To make sure the system is simple and intuitive, assess the user interface and overall user experience.
- 5- Use of data analytics and technological breakthroughs to find fresh, creative approaches to information presentation that suit administrators' preference.
- 6- The website will be working 24\*7 that means the business will be in operation all the time all year round, which will mean a direct increase in sales and provide availability to its customers as per their convenience.
- 7- The website incorporates feedback mechanisms to gather user input and suggestions for improvement continuously. User feedback is carefully considered and used to inform ongoing enhancements and updates to the platform. By actively soliciting and responding to user feedback, the website demonstrates a commitment to continuous improvement and ensuring that the platform evolves to meet the changing needs and preferences of its users.

## 2.3 Data Flow Diagram

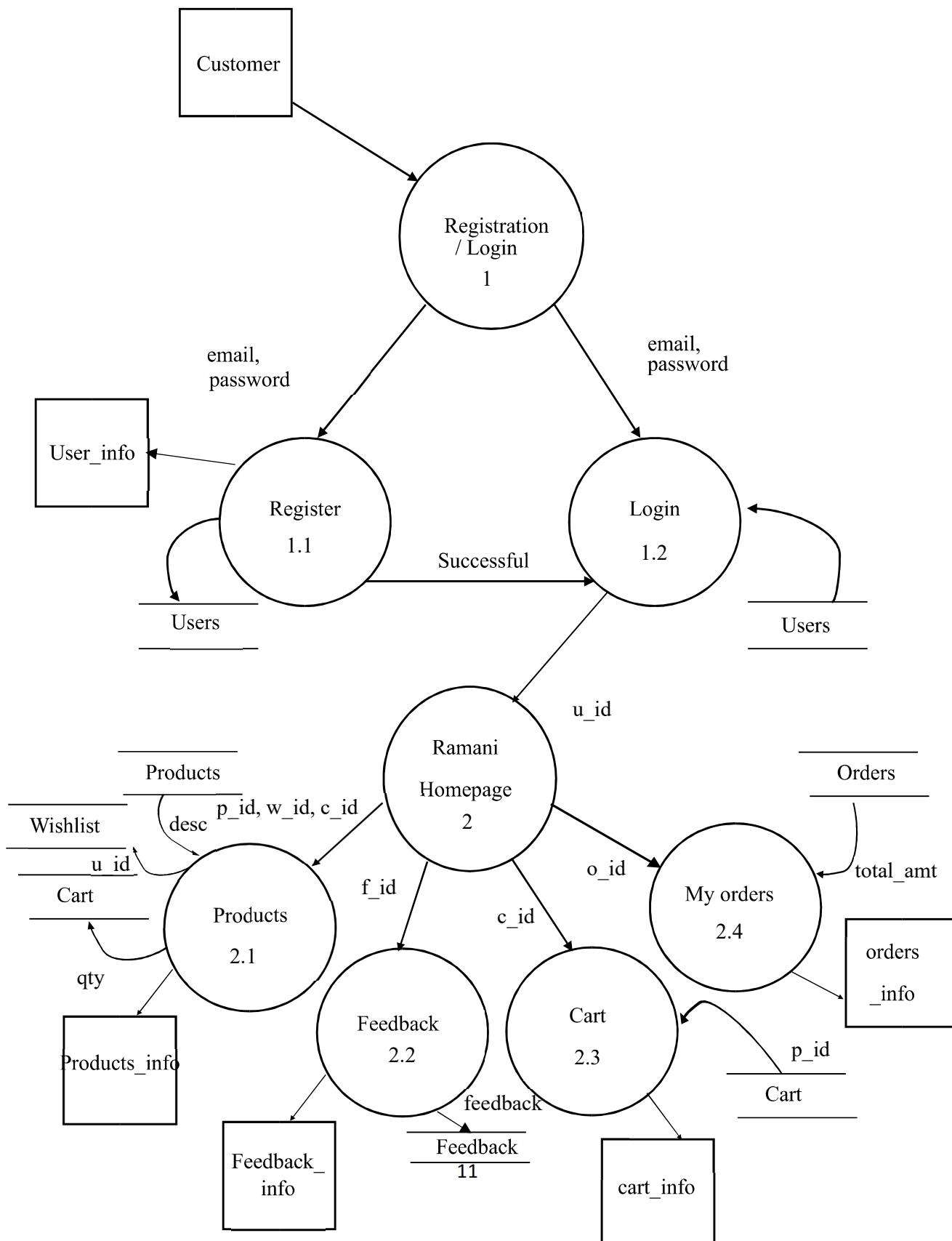
### 2.3.1 Level – 0 DFD



### 2.3.2 Level – 1 DFD for Admin



### 2.3.3 Level – 1 DFD for Customer

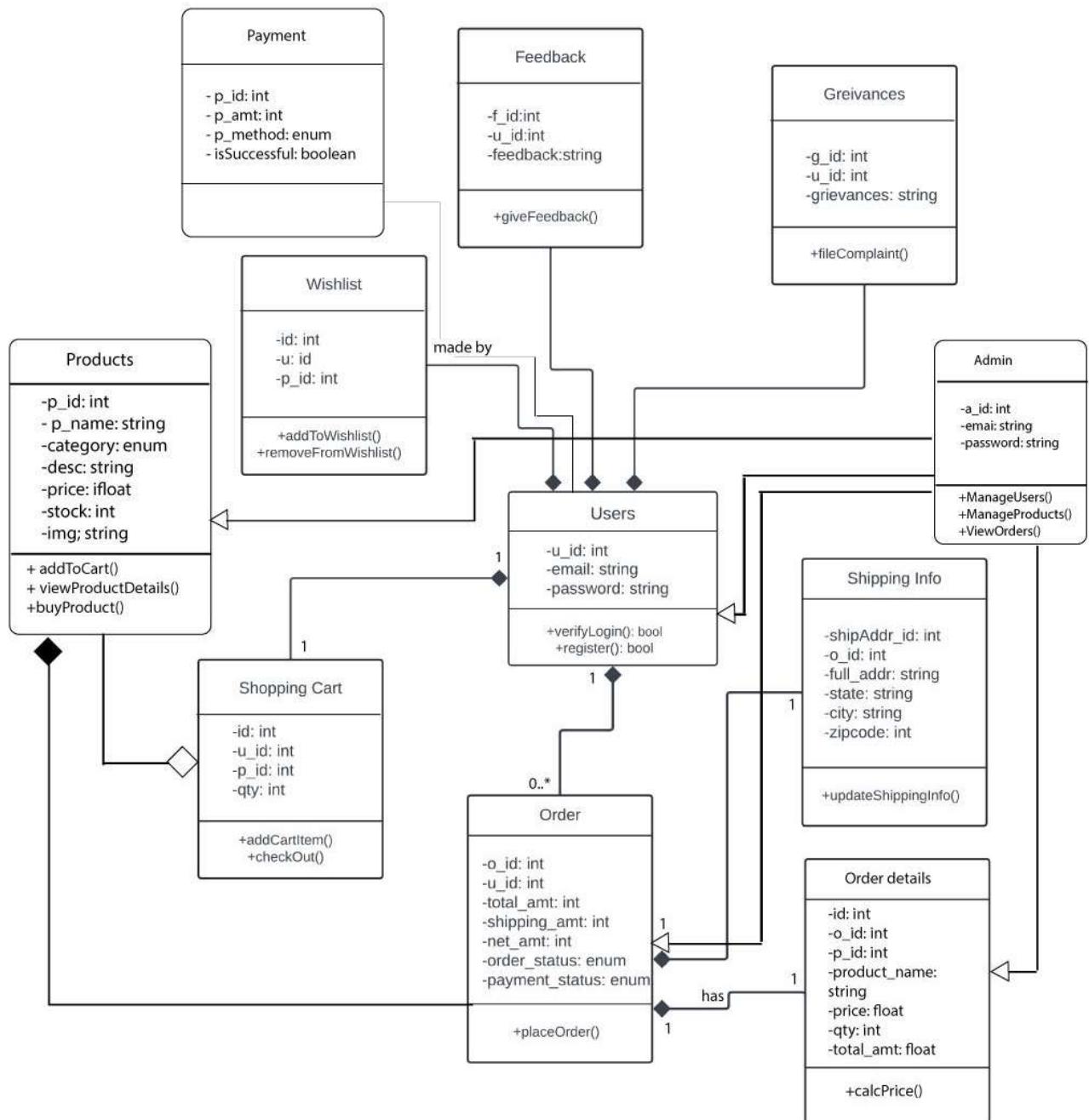


## 2.4 Report Development Process

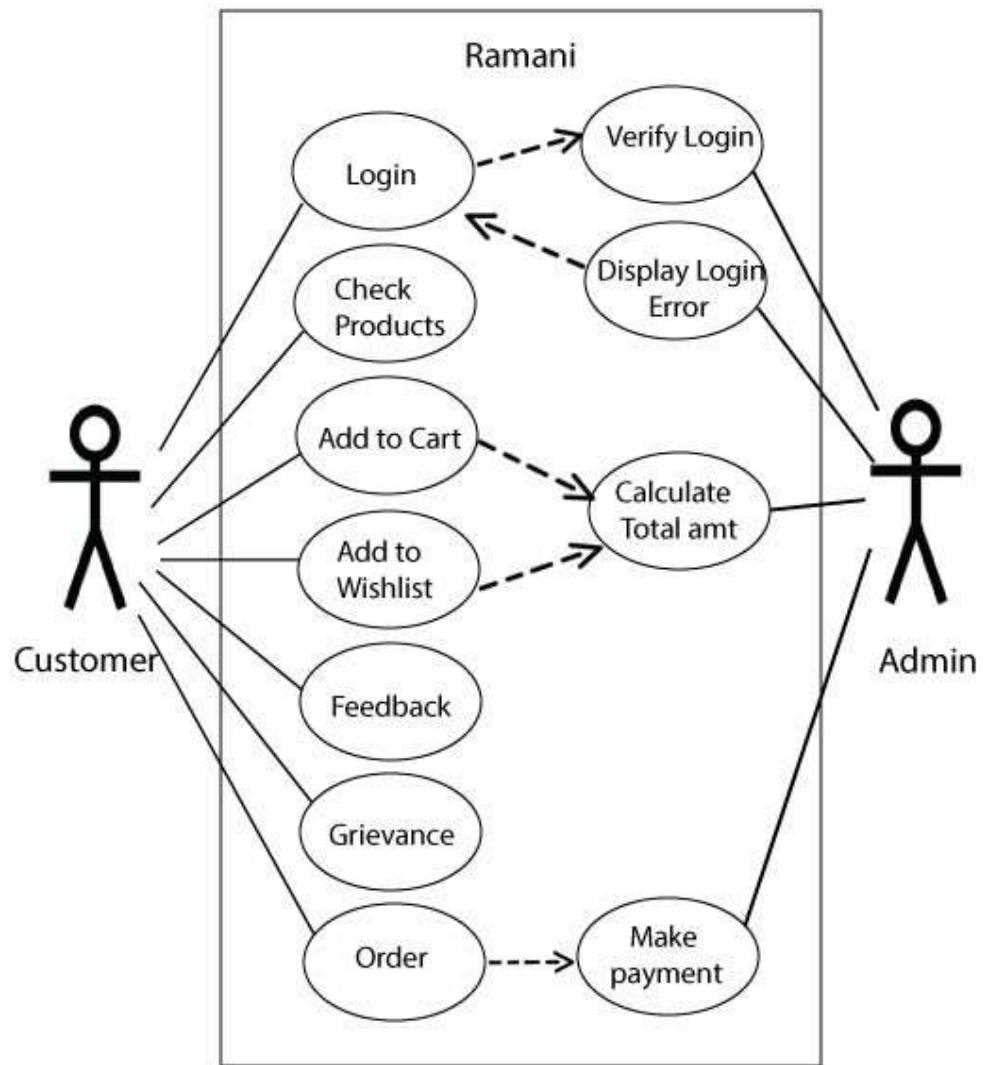


## Chapter 3 – System Design

### 3.1 UML Class Diagram



### **3.2 Use Case Diagram**



## **Chapter 4 – System Testing**

System testing is a verification method to determine the presence of unknown bugs in the completed software that might occur once we deploy the system. The system is tested beforehand so as to prevent mishaps after deployment. During the testing, the focus is on testing the software as a whole and not on individual components so as to make sure the system is working flawlessly. It is also conducted to determine if the system fulfills both client's functional and non-functional requirements. So, here we are using three methods to check if the developed system met the client's requirements or not.

### **4.1. Unit Testing**

We perform unit testing on each and every smallest unit of the developed website individually to check it's working. I used different test data to perform the testing. We try possibly each and every type of inputs to check their corresponding outputs, and its related working. I performed these tests on admin login, user registration, user login.

<u>Test Case id</u>	<u>Section</u>	<u>Element name</u>	<u>Test data</u>	<u>Expected result</u>	<u>Actual Result</u>
001	Admin Login	Email, Password	No Data	Please fill out this field.	Test case passed.
		Email, Password	Admin123@gmail.com/*****	Error Occurred.	Test case passed.
		Email, Password	admin@gmail.com/*****	Successfully logged in.	Test case passed.

002	User Login	Email, Password	No Data	Please fill out this field.	Test case passed.
		Email, Password	Tej123@gmail.com/*****	Error Occurred.	Test case passed.
		Email, Password	Tejasvi3103@gmail.com/*****	Successfully logged in.	Test case passed.
003	User Registration	Email, Password	No Data	Please fill out this field.	Test case passed.
		Email, Password	Tejasvi@gmail.com/*****	Email or password wrong.	Test case passed.
		Email, Password	Tejasvi31@gmail.com/*****	Successfully Registered.	Test case passed.

#### 4.2. Validation testing

Validation testing is a type of software testing that focuses on verifying that a software product or system meets its intended purpose and requirements. The main objective of validation testing is to ensure that the software product or system satisfies the customer's needs and expectations and performs as intended in the real-world environment. Validation testing typically involves testing the entire software system rather than individual modules or components.

I performed validation testing on the final design of Ramani that validates the ability of the system to operate as it was intended. I performed these tests to check whether the users can browse the clothes, add them to the cart, or the wishlist and place the order securely after receiving the total of their order, on the other side I made sure all data and insights to be visible to admin on admin dashboard, where administrator can add/delete/view any and all kinds of data.

- a. Order- Users have the capability to browse through their favourite clothes, from huge range of categories, add it to the cart and proceed to payment.
- b. Add to cart- Customers can add products from specified categories in their cart by just clicking “Add to cart” button.
- c. Add to wishlist- Customers can add products in their wishlist by clicking on a button in the shape of heart and then can proceed to view it in their wishlist section.
- d. Feedback- Customers can provide feedback by filling up feedback form, the form consists of only a feedback message field.
- e. Dashboard- Administrator can view the pending and completed order in their dashboard.
- f. Add products- Administrator can add products and increase inventory of the stock in the database.
- g. View products- Admin can view all the products that are in stock as well as products that are out of stock.
- h. View feedback- Administrator can view feedback given by customers, and delete them at will.

### **4.3. Compatibility testing**

Compatibility testing involves testing your website to determine if it operates smoothly and as intended across all devices, platforms, browsers, operating systems, and network environments. The objective is to ensure that the website functions work correctly and consistently for all users.

Element Name	Element Type	Input	Expected Result	Actual Result	Test Result
Device Compatibility	Responsiveness On different devices	Checking Responsiveness on devices for e.g., Laptops, tablets, Smartphones	Website will adapt different screen sizes on different devices without any disbalancing	As expected, the website is full responsive and working perfectly	Passed
Operating System Compatibility	Checking website behaviour on different Operating Systems	Working on different Operating Systems e.g., Android systems, macOS, iOS, Windows, etc.	There shouldn't be any changes in website Designing, Working, Accessibility and Performance speed, while switching the Operating System	As Expected, The Website is working all same even on different Operating System expect Linux operating system	Passed

End-user Security	Data Security	Testing security measures of users	The logged in user will be able to see his/her own details related information only or correct user-profile is opened for user while logging in	As Expected, Details of login Email is shown, no details of other user are visible to all. Hence Secured	Passed
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## **Chapter 5 – Implementation**

### **5.1 Visual Studio Code**

- 1- Go to the official website of Visual Studio Code <https://code.visualstudio.com/>
- 2- Click on the button “Download for Windows”
- 3- Choose the components you want to install, such as languages, frameworks, tools.
- 4- Click on the “install” button to start installation process.
- 5- Follow the installation wizard and select options that suit your needs.

### **5.2 React App Setup**

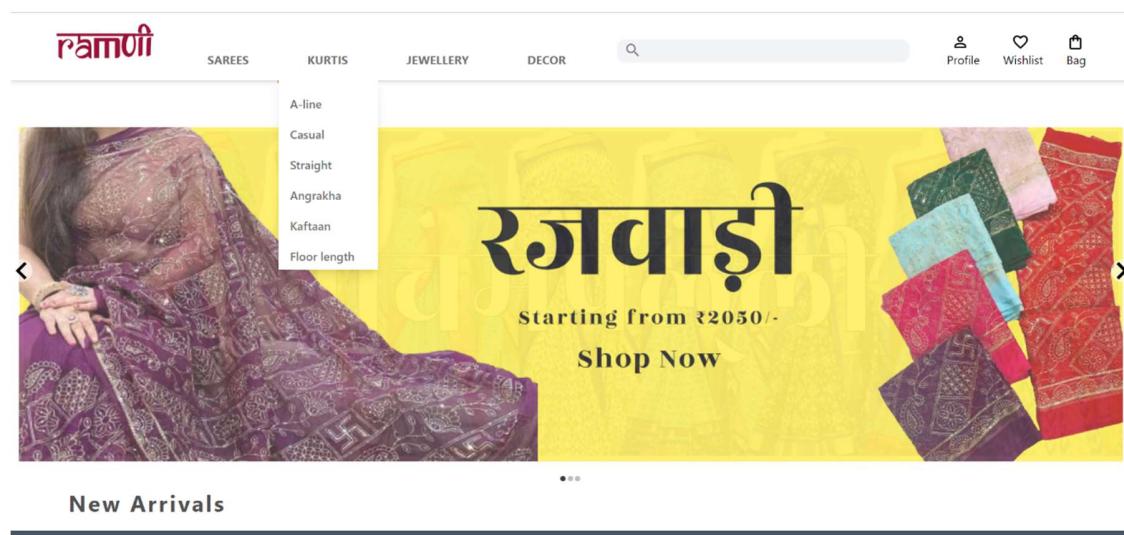
- 1- Go to command prompt and write `npx-create-<your-app-name>`
- 2- Wait for your React app to be created at the specified command location.
- 3- Then enter command ‘`npm start`’ to run your react project

### **5.3 Firebase Setup**

- 1- Go to the official website of Firebase <https://firebase.google.com/>
- 2- Click on “Get started”
- 3- Then click on “Add Project”
- 4- Enter the project name, then click on “Continue”
- 5- Choose your google account that needs to be affiliated to the project.
- 6- Click on “Make project”
- 7- Go to Firebase console, and copy the database key as it is and then add them to your `firebase_config.js` file in your project.

## Chapter 6- Sample forms and reports

### 6.1. Ramani landing page



### 6.2. Customer Signup Form



**SIGNUP**

tejasvis3103@gmail.com

.....

Already have an account? [Login](#)

**SIGNUP**

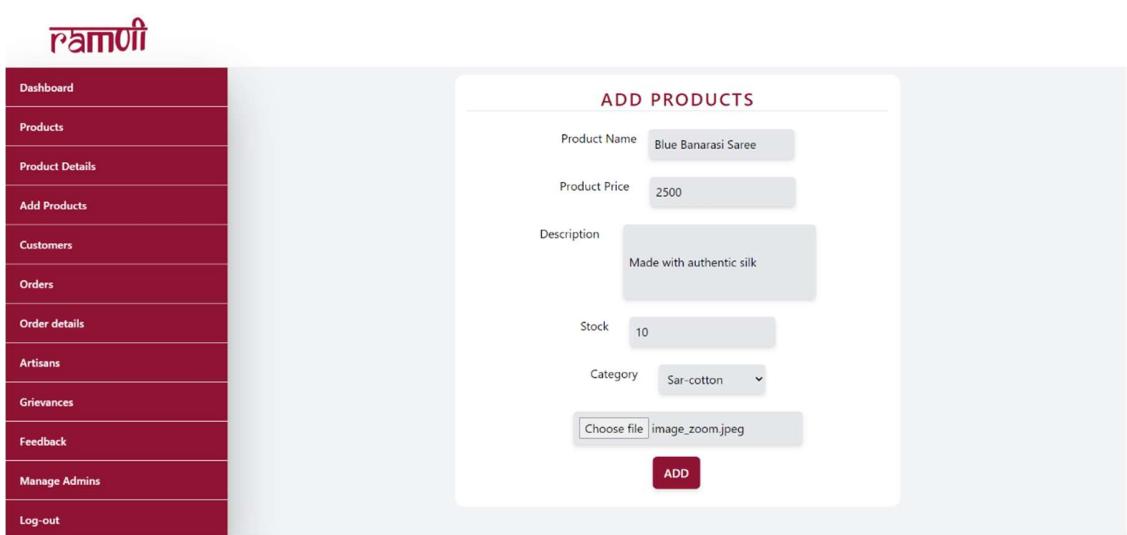
OR

 Continue with Google

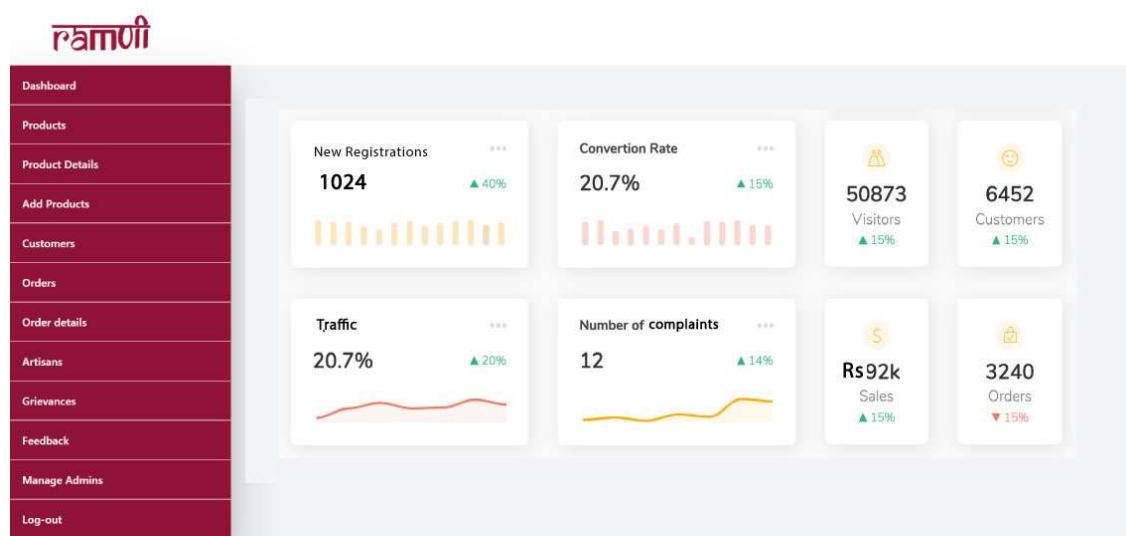
### 6.3. Admin Login



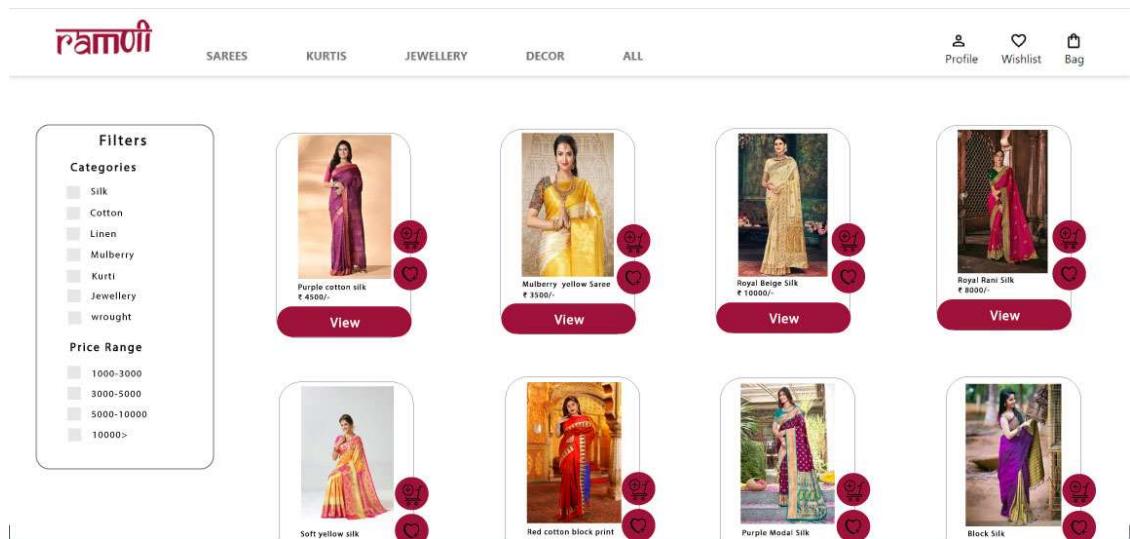
### 6.4. Admin Homepage

A screenshot of the admin homepage. On the left, there is a vertical sidebar with a maroon background and white text. The sidebar includes links for "Dashboard", "Products", "Product Details", "Add Products", "Customers", "Orders", "Order details", "Artisans", "Grievances", "Feedback", "Manage Admins", and "Log-out". The main content area has a light gray background. In the center, there is a white rectangular form titled "ADD PRODUCTS". This form contains fields for "Product Name" (set to "Blue Banarasi Saree"), "Product Price" (set to "2500"), "Description" (containing the text "Made with authentic silk"), "Stock" (set to "10"), and "Category" (set to "Sar-cotton"). Below these fields is a "Choose file" button with the text "image\_zoom.jpeg" next to it. At the bottom right of the form is a dark red "ADD" button.

## 6.5 Admin Dashboard



## 6.6 Customer Products View



## 6.7 Customer Product Details

The screenshot shows a product detail page for a 'Royal Beige Silk' saree. At the top, the Ramoni logo is displayed with a red 'r'. Below the logo, a navigation bar includes links for SAREES, KURTIS, JEWELLERY, DECOR, and ALL. On the far right of the navigation bar are icons for Profile (user icon), Wishlist (heart icon), and Bag (shopping bag icon).

The main content area features a large image of a woman wearing the saree. To the right of the image, the product name 'Royal Beige Silk' is displayed in bold black text, followed by the status 'In stock' in green. Below this, a 'Product description:' section provides a detailed description of the saree: 'Handwoven pure silk beige saree, made with the passion of artisans of Bihar, features soft floral print and broad border of the same pattern all along the saree. Pair with some statement and eye-catchy jewellery.' The price '₹10000/-' is listed in bold black text, and a note 'Delivered in 7-8 business days' is shown in red. Below the price are quantity controls: a red '+' button, a red '-' button, a quantity box containing '1', and a small circular icon with a plus sign and a minus sign.

## 6.8 Customer Cart

The screenshot shows a customer's cart on the Ramoni website. At the top, the Ramoni logo is displayed with a red 'r'. Below the logo, a navigation bar includes links for SAREES, KURTIS, JEWELLERY, DECOR, and ALL. On the far right of the navigation bar are icons for Profile (user icon), Wishlist (heart icon), and Bag (shopping bag icon).

The main content area shows a product detail box for the 'Royal Beige Silk' saree, identical to the one in the previous screenshot. To the right of the product detail box is a 'Cart' box with a shopping bag icon and a plus sign. The cart box lists two items:

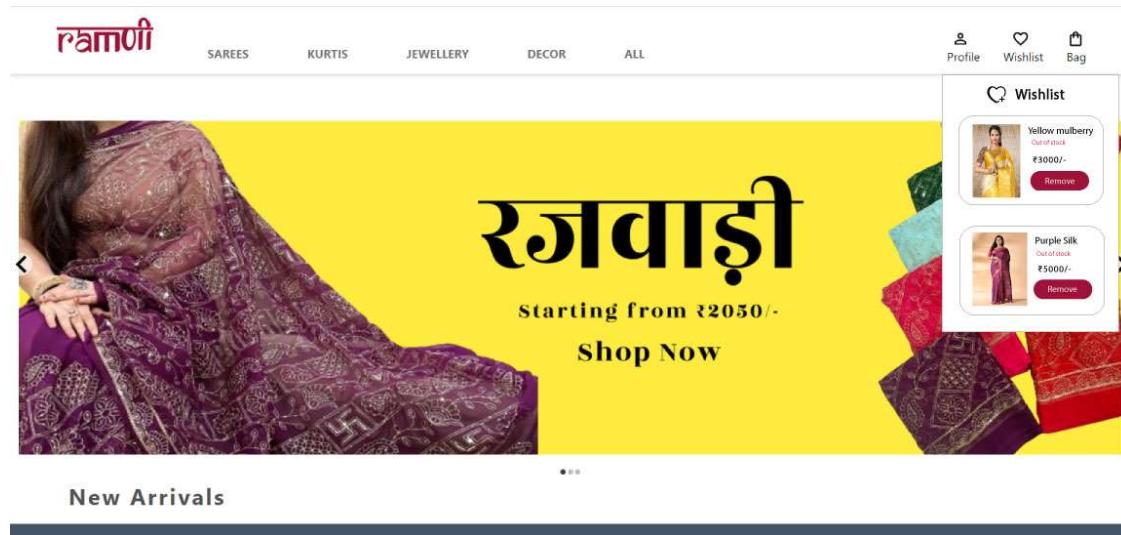
- Royal Rani Silk** (In stock, ₹7000/-, quantity 1)
- Royal Beige Silk** (In stock, ₹10000/-, quantity 1)

Below the cart items, a summary table shows the total amount, delivery charges, and total price:

Amount	₹17000/-
Delivery Charges	₹20/-
Total	₹17020/-

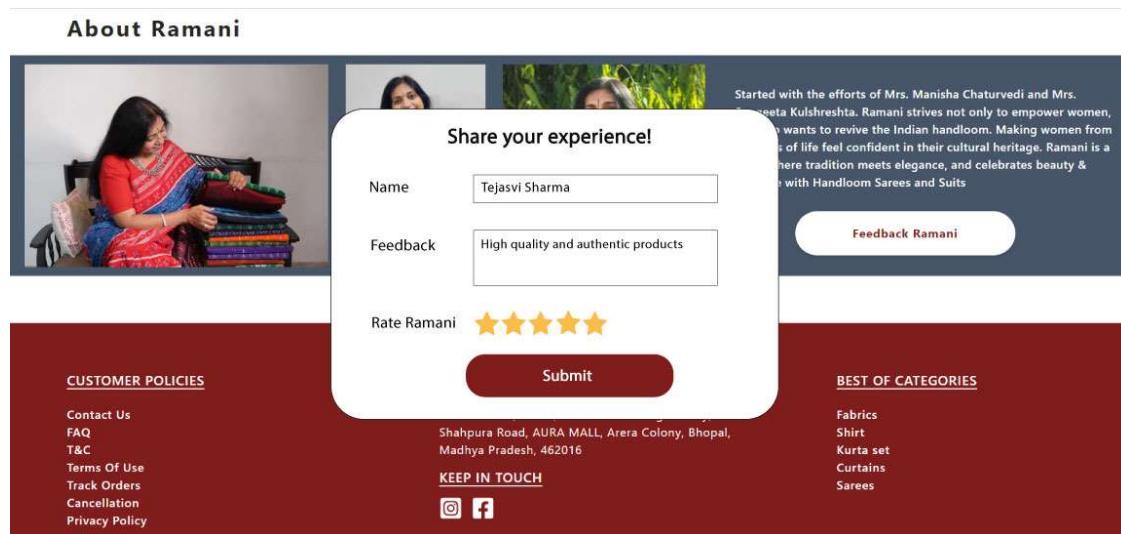
A red 'Proceed to checkout' button is located at the bottom of the cart summary.

## 6.9 Customer Wishlist



## 6.10 Customer Feedback

**About Ramani**



Started with the efforts of Mrs. Manisha Chaturvedi and Mrs. Sugata Kulshreshta. Ramani strives not only to empower women, but wants to revive the Indian handloom. Making women from all walks of life feel confident in their cultural heritage. Ramani is a place where tradition meets elegance, and celebrates beauty & grace with Handloom Sarees and Suits

**Share your experience!**

Name: Tejasvi Sharma

Feedback: High quality and authentic products

Rate Ramani: ★★★★★

Submit

Feedback Ramani

**CUSTOMER POLICIES**

Contact Us  
FAQ  
T&C  
Terms Of Use  
Track Orders  
Cancellation  
Privacy Policy

Shahpura Road, AURA MALL, Arera Colony, Bhopal, Madhya Pradesh, 462016

**KEEP IN TOUCH**

**BEST OF CATEGORIES**

Fabrics  
Shirt  
Kurta set  
Curtains  
Sarees

## **Chapter 7- Conclusion and Future Scope**

Ramani- The Ecommerce website have been successful in transitioning from the obsolete system it used to operate on to something that is operated fully online and adds value in their decision-making progress with the help of firebase analytics systems which is capable of performing data analysis and producing reports for the administrators.

Easy access to all data for the administrators has been achieved but even they can't access user's personal information which is privy for security reasons, apart from that they are free to add, delete, manage, almost all the data that is stored in firebase.

Smooth, seamless and easy processes and UI/UX similar to other ecommerce website have been deployed so as to make the users of the obsolete system comfortable in shortest time possible, various payment gateways have been provided so as to give users multiple options for making payments. And a filtering option has been deployed on the website for filtering products and displaying them according to the user's tastes. Registering for the website doesn't involve a hectic form filling process so as to make it user friendly and to retain and promote browsing for new users on the website.

Overall, with the creation of the website Ramani, the management and staff will see significant improvement in data handling and it will achieve ease of working compared to the traditional working system.

**Future Scope** – Ramani – The ecommerce website once deployed will still have many areas of improvement, currently there is no module for artisans that are working with Ramani as they reside in villages or backward areas where it is not always possible to have an internet connection or any technological know-how of using a website, this integration will take years to come.

Addition of a 'For you' page for the customers that will provide them with customised suggestions of the products based on their previous orders to increase sales, customer retention and engagement. Serving them with a more personalised experience.

Addition of more categories to be undertaken in the next few years as to increase the products provided by the organisation and serve a wider customer base.

Improvement of UI/UX will be forever an upgrading process due to frequent trends in UI/UX designing. Steps are also be taken to further simplify the checkout and payment options.

Once the sales are increased and there is a constant influx of customers it is advisable to contact a delivery service and start cash on delivery method which will further introduce a new module in the code base of the project.

## **Bibliography**

The following links were referred during the entire system making process:

1. <https://tailwindcss.com/docs>
2. <https://firebase.google.com/docs>
3. [https://www.youtube.com/watch?v=mv4pIaZDNUw&list=PLW9nKlZ\\_Fyqj1e4Ltmbzsy0uH9mxTcW9&index=6](https://www.youtube.com/watch?v=mv4pIaZDNUw&list=PLW9nKlZ_Fyqj1e4Ltmbzsy0uH9mxTcW9&index=6)
4. <https://firebase.google.com/docs/auth>

PAPER NAME	AUTHOR
Ramani-The ecommerce website.pdf	Tejasvi Sharma
WORD COUNT	CHARACTER COUNT
4271 Words	21512 Characters
PAGE COUNT	FILE SIZE
31 Pages	2.0MB
SUBMISSION DATE	REPORT DATE
Apr 17, 2024 9:50 PM GMT+5:30	Apr 17, 2024 9:51 PM GMT+5:30

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Name of student	TEJASVI SHARMA		Department	CSE (Program:MCA)	
Industry/Organization	Ramani Hathkargha		Date/Duration	15/01/24- 31/01/24	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely Completion of Assigned Work				✓	
Learning Capacity/Knowledge up gradation					✓
Performance/Quality of work			✓		
Behavior/Discipline/Teamwork				✓	
Sincerity/Hard work					✓
Comment on Nature of Work Done/Area/Topic	Web-flow and system design, Research other similar websites and design landing page				
<b><u>OVERALL GRADE (Anyone)</u></b>	<b><u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u></b>				
<b><u>Name of Industry Mentor</u></b>	Mrs. Manisha Chaturvedi				
<b><u>Signature of Industry Mentor</u></b>	 Sign: _____				

Receiving Date	15/4/24	Faculty Mentor	Dr. Parul Saxena	Sign	
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Name of student	TEJASVI SHARMA		Department	CSE (Program:MCA)	
Industry/Organization	Raman Hathkargha		Date/Duration	01/02/24 – 15/02/24	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely Completion of Assigned Work			✓		
Learning Capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behavior/Discipline/Teamwork				✓	
Sincerity/Hard work					✓
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<u>Name of Industry Mentor</u>	Mrs. Manisha Chaturvedi				
<u>Signature of Industry Mentor</u>	 Sign: ...				

Receiving Date	15/4/24	Faculty Mentor	Dr. Parul Saxena	Sign	
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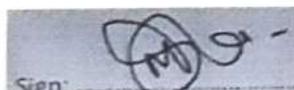
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Performance/Quality of work			✓		
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<b><u>Name of Industry Mentor</u></b>	Mrs. Manisha Chaturvedi				
<b><u>Signature of Industry Mentor</u></b>	 Sign: _____				

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Industry/Organization	Ramani Hathkargha		Date/Duration	01/03/24 – 15/03/24	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely Completion of Assigned Work			✓		
Learning Capacity/Knowledge up gradation				✓	
Performance/Quality of work			✓		
Behavior/Discipline/Teamwork					✓
Sincerity/Hard work					✓
Comment on Nature of Work Done/Area/Topic	Connection to DB established, documents created, and data fetched/added.				
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<b><u>Name of Industry Mentor</u></b>	Mrs. Manisha Chaturvedi				
<b><u>Signature of Industry Mentor</u></b>	 Sign: _____				

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Name of student	TEJASVI SHARMA		Department	CSE (Program:MCA)	
Industry/Organization	Ramani Hathkargha		Date/Duration	16/03/24 – 31/03/24	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely Completion of Assigned Work					✓
Learning Capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behavior/Discipline/Teamwork					✓
Sincerity/Hard work					✓
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<b><u>Name of Industry Mentor</u></b>	Mrs. Manisha Chaturvedi				
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Name of student	TEJASVI SHARMA		Department	CSE (Program:MCA)	
Industry/Organization	Ramani Hathkargha		Date/Duration	01/04/24 – 15/04/24	
Criterion	Poor	Average	Good	Very Good	Excellent
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Learning Capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behavior/Discipline/Teamwork					✓
Sincerity/Hard work					✓
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<b><u>Name of Industry Mentor</u></b>	Mrs. Manisha Chaturvedi				
<b><u>Signature of Industry Mentor</u></b>	 Sign: _____				

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