# E-COMMERCE

*Project report submitted*
*In partial fulfillment of the requirement for the degree of*

**Bachelor of Technology**
**In**
**Computer Science and Engineering**

**BY**

**NIKHIL YADAV (1901010021)**

**ARYAN SINGH (1901010022)**

**TARUN KUMAR (1901010037)**

**Under the guidance of**

**Ms. Jyoti Kataria**

**Department of SOET**

**School of Engineering and Technology**

**K. R. Mangalam  University, Gurugram - 122003**

**June-2023**

1

Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

# CERTIFICATE

It is certified that the work contained in the project report titled "E-Commerce Website" by the following students :

| Name of the students | Roll Number |
| --- | --- |
| Nikhil Yadav | 1901010021 |
| Aryan Singh | 1901010022 |
| Tarun Kumar | 1901010037 |

Ms. Jyoti Kataria
School of Engineering and Technology
KR Mangalam University

# DECLARATION

We declare that this written submission represents our ideas in our own words and where other's ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all the principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will because for disciplinary action by the Institute and canal so evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed. We further declare that if any violation of the intellectual property right or copyright, my supervisor and university should not be held responsible for the same.

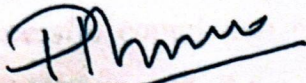| Student Name | (Roll No.) | (Signature) |
|---|---|---|
| Nikhil Yadav | 1901010021 | |
| Aryan Singh | 1901010022 | |
| Tarun Kumar | 1901010037 | |

Place: K.R. Mangalam University

Date: 31st July 2023

3

# APPROVAL SHEET

This major project report entitled ( E-commerce Website ) by the Aryan Singh , Tarun kumar and Nikhil Yadav is approved for the degree of B-Tech  CSE, school of engineering and technology.

**Dean (SOET)**                                                    **Supervisor**
Dr. Pankaj Aggarwal                                       Ms. Jyoti Kataria
DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

**Date** 06/06/2023
**Place:** Kr Mangalam University

4

# ACKNOWLEDGEMENT

**"Enthusiasm is the feet of all progress, with it there is accomplishment and Without it there are only slits alibis."**

Acknowledgment is not a ritual but is certainly an important thing for the successful completion of the project. At the time when we were made to know about the project, it was really tough to proceed further as we were to develop the same on a platform, which was new to us. More so, the coding part seemed tricky that it seemed to be impossible for us to complete the work within the given duration.

We really feel indebted in acknowledging the organizational support and encouragement received from the university.

The task of developing this system would not have been possible without the constant help of our faculty members and friends. We take this opportunity to express our profound sense of gratitude and respect to those who helped us throughout the duration of this project.

We express our gratitude to our supervisors Ms. Jyoti Kataria for giving their valuable time and guidance to us.

Place: - K.R. Mangalam University

Date: 31st July 2023

**Name of Student**

Aryan Singh

# ABSTRACT

This is as E-commerce website where you can navigate through the products and see their reviews and buy them if you want to. This E-commerce website is beautifully designed and user friendly.


*Key Words*: Reactjs , CSS , JS and API

# TABLE OF CONTENTS

# Chapter 1

## INTRODUCTION

Web development refers to the building , creating and maintaining of websites. It includes aspects such as web design, web, web publishing , web programming and database management. It is the creation of an application that works over the internet.

In this Project we did the Front-End Development. Everything we see on a website like button , links, animation etc. are created by the front end developers. All the designing and that is needed and requested by the client is achieved by the front end developers. The main skill that are required for the front end developers are HTML , CSS , JavaScript. There are also some frameworks and libraries that are used in CSS. Frameworks like Bootstrap and Bulma can Allows you to add catalog of classes to your webpages. As a result you end up with professional and mobile-friendly designs.

Here is a list of a few options:

- Bootstrap
- Tailwind CSS
- Bulma
- Materialize
- Semantic UI

# Chapter 2

# LITERATURE REVIEW

Proper design has become a critical element needed to engage website and mobile application users. However, little research has been conducted to define the specific elements used in effective website and mobile application design. We attempt to review and consolidate research on effective design and to define a short list of elements frequently used in research. The design elements mentioned most frequently in the reviewed literature were navigation, graphical representation, organization, content utility, purpose, simplicity, and readability.

React makes it painless to create interactive UIs. Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.

Declarative views make your code more predictable and easier to debug.

## Component-Based

Build encapsulated components that manage their own state, then compose them to make complex UIs.

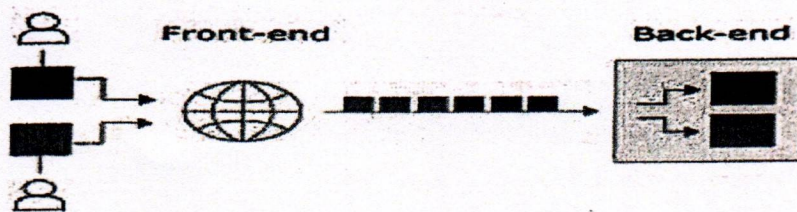Since component logic is written in JavaScript instead of templates, you can easily pass rich data through your app and keep state out of the DOM.

## Learn Once, Write Anywhere

We don't make assumptions about the rest of your technology stack, so you can develop new features in React without rewriting existing code.

9

# Chapter 4:

# METHODOLOGY OF THE PROJECT

Methodologies in front end development includes:



## Stage 1.  Getting to know a client

After the company gets a message from a lead, a sales manager and the lead discuss the needs (or the Scope of Work documentation if the lead already knows what (s)he wants). The sales manager briefs the lead about the desired outcome, the Definition of Done, timeline, budget, essential requirements, and possible bottlenecks. At this stage, the sales manager qualifies the lead and whether it fits the target audience of the company's services: if a prospect needs a website and a PWA and a particular company builds only mobile apps, it's definitely better to say farewells to each other.

## Stage 2. Discovery and project research

# REFERENCES

- https://docs.npmjs.com/cli/v6/commands/npm
- https://reactjs.org/docs/state-and-lifecycle.html
- https://reactjs.org/docs/lists-and-keys.html
- https://reactjs.org/docs/rendering-elements.html

- https://www.youtube.com/watch?v=Po5UonzED1s&t=264s
  channel name - code step by step

- https://www.youtube.com/watch?v=U3fLPDiTDII
  channel name – technical suneja