

CSS & REACT JS

A Minor Project Progress Report
Submitted in Partial fulfillment for the award of
Bachelor of Technology in Computer Science & Engineering

Submitted to
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BHOPAL (M.P)



PROGRESS REPORT
Submitted by

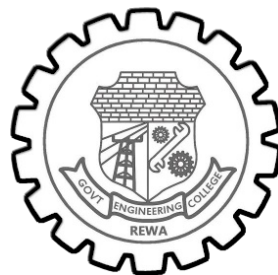
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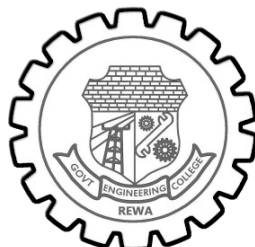
Under the supervision of
Manoj Chauhan
Head of Department



Department of Computer Science & Engineering
Rewa Engineering College, Rewa (M.P.)
Session 2021-22

REWA ENGINEERING COLLEGE, REWA (M.P.)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

This is to certify that the work embodied in this Minor Project work entitled “**CSS & React JS**” has been satisfactorily completed by the **Ajay Diloskar Patel** [0301CS191011], **Ayush Tripathi** [0301CS191022], **Praveen Singh** [0301CS191040] **Saurabh Patel** [0301CS191052], **Tanvesh Sarve** [0301CS191066]. It is a bonafide piece of work, carried out under the guidance from **Department of Computer Science & Engineering, Rewa Engineering College, Rewa (M.P.)** for the partial fulfillment of the **Bachelor of Technology** during the academic year 2021-22.

Manoj Chauhan
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Prof. & Head
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Principal

1. Problem Domain:-

This project deals with study and implementation of HTML, CSS, JS and react. It helps to understand styling and functioning of a website.

All technologies are used to create a restaurant website which showcases all their menu which is visually appealing.

Technologies which are used as follows:-

- **HTML:-** The HyperText Markup Language or HTML is the standard markup for documents designed to be displayed in a web browser. It can be assisted by technologies such as CSS and scripting languages such as JavaScript..
- **CSS:-** Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript
- **JS:-** JavaScript often abbreviated JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. Over 97% of websites use JavaScript on the client side for web page behavior, often incorporating third-party libraries. All major web browsers have a dedicated JavaScript engine to execute the code on users' devices.
- **React:-** React (also known as React.js or ReactJS) is a free and open-source front-end JavaScript library for building user interfaces based on UI components. It is maintained by Meta (formerly Facebook) and a community of individual developers and companies.

2. Major objective and scope of project:-

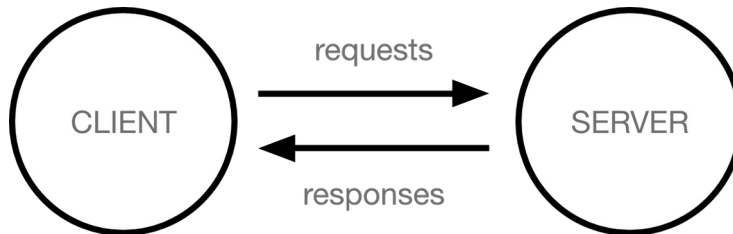
React JS is a powerful tool for front-end developers to build UIs as it makes the process of UI building faster, efficient, and effective. While there are a variety of front-end frameworks which are very popular, like Angular and Vue.js, React JS is the perfect framework to get started with.

Needless to say, this is the best time to learn React JS as many giants like Uber, Airbnb, Facebook, Instagram, Netflix, Udemy, and Twitter use React. Many companies have also invested heavily in the React ecosystem to build new tools and libraries to accelerate and simplify React development.

- It is SEO-Friendly
- It has a Fully Component-Based Architecture
- It Guarantees Stable Code
- It allows Developers to Reuse the Code
- It is faster as compared to other Libraries

3. Design and working:-

Computers connected to the web are called clients and servers. A simplified diagram of how they interact might look like this:



~ Clients are the typical web user's internet-connected devices (for example, your computer connected to your Wi-Fi, or your phone connected to your mobile network) and web-accessing software available on those devices (usually a web browser like Firefox or Chrome).

~ Servers are computers that store webpages, sites, or apps. When a client device wants to access a webpage, a copy of the webpage is downloaded from the server onto the client machine to be displayed in the user's web browser.

4. Hardware/Software platform environment:-

This can run on any kind of devices having web browser.

- Mobile Phones
- Tablets
- Laptops

One needs to have stable internet connection and any kind of web browser.
For ex:

- Google Chrome
- Microsoft Edge
- Firefox