# Content Craft Hub Using MERN Stack

**Major Project Report**

Submitted To

**Chhattisgarh Swami Vivekanand Technical University, Bhilai**

For

**Bachelor of Technology (Hons.)**

in

**Computer Science & Engineering**

By


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Under the Guidance of

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**Session: 2024 -25**

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# DECLARATION BY THE CANDIDATE

We the undersigned solemnly declare that the Minor project report entitled "**Content Craft Hub Using MERN Stack**" is based our own work carried out during the course of our study under the supervision of **Dr. Rohit Miri**.

We assert that the statements made and conclusions drawn are an outcome of the project work. We further declare that to the best of our knowledge and belief that the report does not contain any part of any work which has been submitted for the award of any other degree/diploma/certificate in this University/Deemed university of India or any other country.

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# CERTIFICATE BY SUPERVISOR

This is to certify that the Minor project report entitled "**Content Craft Hub Using MERN Stack**" is a record of project work carried out under my guidance and supervision for the fulfillment of the award of degree of Bachelor of Technology (Hons.) in the faculty of Computer Science & Engineering of Chhattisgarh Swami Vivekananda Technical University, Bhilai (C.G.) India.

To the best of my knowledge and belief the report

I Embodies the work of the candidate himself

II Has duly been completed

III Fulfills the partial requirement of the ordinance relating to the B.Tech(Hons.) degree ofthe University

IV Is up to the desired standard both in respect of contents and language for being referred to the examiners.

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Associate Professor
Department of CSE

Forwarded to
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# CERTIFICATE BY EXAMINER

The project report entitled "**Content Craft Hub Using MERN Stack**" has been examined by the undersigned as a part of the examination of Bachelor of Technology (Hons.) in the faculty of Computer Science & Engineering of Chhattisgarh Swami Vivekanand Technical University, Bhilai.

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**Internal Examiner** **External Examiner**

**Date:** **Date:**

**Department of Computer Science & Engineering**
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# ACKNOWLEDGEMENT

The real spirit of achieving a goal is through excellence and serious discipline. We would like to express our profound gratitude to **Dr. Rohit Miri**, Associate Professor , and **Dr. Pankaj Mishra**, Director of university for their contributions to the completion of our project titled "Content Craft Hub Using MERN Stack".

We would like to express our special thanks to our mentor **Dr Rohit Miri** for his time and efforts she provided throughout the semester. Your useful advice and suggestions were really helpful to us during the project's completion. In this aspect, We are eternally grateful to you.

We would like to acknowledge that this project was completed entirely by us and not by someone else.

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# LIST OF ABBREVIATIONS

| | | |
|---|---|---|
| 1 | HTML | Hyper Text Markup Language |
| 2 | CSS | Cascading Style Sheet |
| 3 | JS | JavaScript |
| 4 | CMS | Content Management System |
| 5 | MERN | MongoDB, Express.js, React, Node.js |
| 6 | DOM | Document Object Model |
| 7 | UX | User Experience |
| 8 | UI | User Interface |
| 9 | API | Application Programming Interface |
| 10 | SPA | Single Page Application |
| 11 | SEO | Search Engine Optimization |
| 12 | SVG | Scalable Vector Graphics |
| 13 | CDN | Content Delivery Network |
| 14 | RTL | Right-To-Left (language support) |
| 15 | JSON | JavaScript Object Notation |

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# ABSTRACT

In today's digital-first world, individuals, freelancers, and small businesses increasingly need cost-effective and user-friendly solutions to establish and manage their online presence. Traditional Content Management Systems (CMS) often require technical expertise, come with recurring costs, and pose accessibility challenges for non-technical users. To address these issues, this project introduces Content Craft Hub—a modern, lightweight, and scalable CMS developed using the MERN stack (MongoDB, Express.js, React, Node.js).Designed with a user-centric approach, Content Craft Hub enables seamless creation and management of websites, blogs, and portfolios without coding knowledge. Key features include a drag-and-drop builder, multilingual support, SEO optimization, cloud media integration, and e-commerce compatibility. The platform emphasizes responsiveness, performance, and accessibility, making it suitable for a wide range of users including freelancers, entrepreneurs, educators, and hobbyists.As an open-source solution, it promotes transparency and collaboration, with deployment support for GitHub Pages, Vercel, and Render. The development process is structured across defined phases—ranging from problem identification and system design to testing, deployment, and future enhancements. By bridging the gap between simplicity and functionality, Content Craft Hub empowers users to build and maintain a professional digital presence with ease.

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