

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"Jnana Sangama", Belagavi-560014, Karnataka



PROJECT REPORT ON

"Verma Space Interior Website"

*SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE*

**BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING**

Submitted By

SANIYA SARDAR	(1SV20CS039)
SEKH FARDEEN	(1SV20CS040)
SADASHISH KUMAR BHOKTA	(1SV20CS037)
SOUVIK KARAK	(1SV20CS048)

Under the guidance of

Dr.Kiran G M B.E., MTech., PhD.

Associate Professor, Dept. of CSE.



Department of Computer Science and Engineering

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Affiliated To Visvesvaraya Technological University)

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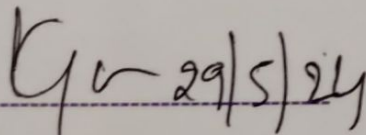
2023-24



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

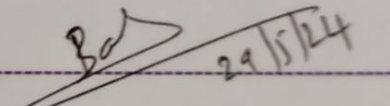
CERTIFICATE

This is to certify that, the project entitled " Verma Space Interior Website" has been successfully carried out by **SANIYA SARDAR [1SV20CS039]**, **SEKH FARDEEN [1SV20CS040]**, **SADASHISH KUMAR BHOKTA [1SV20CS037]**, **SOUVIK KARAK [1SV20CS048]** in partial fulfillment for the award of **Bachelor of Engineering in Computer Science & Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year **2023-24**. It is certified that all the corrections/suggestions indicated for internal assessments have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.



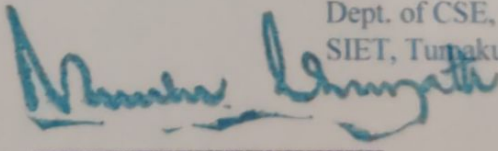
Signature of Guide

Dr. Kiran GM B.E., MTech., PhD.
Associate Professor,
Dept. of CSE,
SIET, Tumakuru.



Signature of H.O.D

Dr. Basavesh D B.E., MTech., PhD.
Associate Professor & HOD
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SIET, Tumakuru.



Signature of Principal

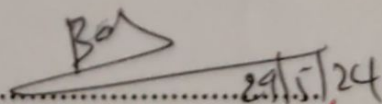
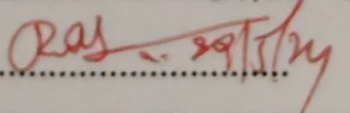
Dr. Narendra Viswanath M.E., Ph.D., MIE, MISTE, MIWS., FIV.,
Principal,
SIET, Tumakuru

External Viva

Name of the Examiners

Signature with Date

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(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

We, SANIYA SARDAR [1SV20CS039], SEKH FARDEEN [1SV20CS040], SADASHISH KUMAR BHOKTA [1SV20CS037], SOUVIK KARAK [1SV20CS048], student of VIII semester **B.E** in Computer Science & Engineering, at Shridevi Institute of Engineering & Technology, Tumakuru, hereby declare that, the project work-II entitled "**Verma Space Interior Website**", embodies the report of our project work carried out by our team under the guidance of **Dr. Kiran G M**, Associate Professor, Department of CSE, SIET, Tumakuru as partial fulfillment of requirements for the award of the degree in **Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belagavi**, during the academic year **2023-24**. The project has been approved as it satisfies the academic requirements in respect to the Project work.

Place: Tumakuru

Student Name & Signature

Date: 29/05/24

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BONAFIDE CERTIFICATE

This is to certify that the project entitled "VERMA SPACE INTERIOR WEBSITE" is a bonafide in the work of, SANIYA SARDAR [1SV20CS039], SEKH FARDEEN [1SV20CS040], SADASHISH KUMAR BHOKTA [1SV20CS037], SOUVIK KARAK [1SV20CS048] of VIII semester of **B.E** in Computer Science and Engineering carried out at Shridevi Institute of Engineering and Technology in partial fulfillment of requirements for the award of **Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi** under my supervision and guidance. Certified to the best of my knowledge the work reported here is not a part of any other thesis on the basis of which degree or award was conferred on earlier occasion to these or any other candidates.

Guide:

Dr. Kiran G M B.E., M.Tech., PhD.

Associate Professor, Dept of CSE,

SIET, Tumakuru

ACKNOWLEDGEMENT

This Project work will be incomplete without thanking the personalities responsible for this venture, which otherwise would not have become a reality.

We express our profound gratitude to **Dr. Narendra Viswanath**, Principal, S.I.E.T, for his moral support towards completing our project work.

We would like to thank Head of Department **Dr. Basavesha D**, Head, Department of CSE, SIET for providing all the support and facility.

We would like to thank our guide **Dr. Kiran G M**, Associate Professor, Department of Computer Science and Engineering, SIET for her help, sharing his technical expertise and timely advice.

We whole heartily thank to **Dr. Girish L** and **Mrs. Rashmi N** , Project coordinator, Assistant Professor, Department of Computer Science and Engineering, for her support.

We would like to express our sincere gratitude to all teaching and non-teaching faculty of the department of CSE for guiding us throughout the course of this project by giving valuable suggestion and encouragement.

By,

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ABSTRACT

This project outlines a novel website concept that revolutionizes the interior design experience by combining the power of WordPress, AI chatbots, and Augmented Reality (AR). The website will serve as a one-stop shop for homeowners, designers, and design enthusiasts, providing them with an unparalleled level of interactivity, personalization, and visualization.

In the first stage, the website leverages the user-friendly content management system (CMS) capabilities of WordPress. This allows for the creation of a comprehensive database of design inspiration, how-to guides, and product recommendations. Users can browse through curated galleries, access expert advice, and discover the latest trends in interior design, all within a familiar and accessible platform.

The website integrates a sophisticated AI chatbot to further enhance user engagement. This AI assistant acts as a virtual design consultant, offering personalized recommendations based on the user's style preferences, budget constraints, and spatial limitations. Users can engage in a conversation with the chatbot, describe their dream space, and receive tailored design suggestions, product selections, and even 3D mood boards.

Finally, the website incorporates cutting-edge AR technology to bridge the gap between the digital and physical worlds. Through their smartphones or tablets, users can virtually place furniture, paint colors, and décor elements within their actual living space. This AR functionality allows users to experiment with different design ideas and visualize the final outcome in real-time, fostering a more informed and confident decision-making process.