A Project Report

On

IOT INTEGRATED REAL-TIME TRANSFORMER HEALTH MONITORING AND PROTECTION SYSTEM

Submitted by

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Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

ELECTRICAL AND ELECTRONICS ENGINEERING

Under the Esteemed Guidance of

Mrs. CH. SABITHA, M.Tech

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DEPARTMENT OF EEE

Department of Electrical and Electronics Engineering

RAMACHANDRA COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, PermanantlyAffiliated to JNTUK, Kakinada)

Accredited by NBA and NAAC (A+)

NH-16 Bypass, Vatluru (V), ELURU-534007, Eluru Dist., A.P.

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BONAFIDE CERTIFICATE

This is to certify that this project report entitled "Iot Integrated Real-Time Transformer Health Monitoring And Protection System" is being submitted by G SATYANARAYANA (21ME1A0213), K HARISHITHA (21MEIA0220), K KAVYA SRI (21ME1A0217), and K SHYAM PRASAD (21ME1A0224), in partial fulfillment of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING.

This report is a bonafide work carried out under my guidance and supervision during the academic year 2024-2025 and it has been found worthy of acceptance as per the requirements of the university.

PROJECT GUIDE	HEAD OF THE DEPARTMENT
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M. Tech.	M. Tech.
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DECLARATION

We, **by G SATYANARAYANA (21ME1A0213), K HARISHITHA (21MEIA0220), K KAVYA SRI (21ME1A0217), and K SHYAM PRASAD (21ME1A0224),** hereby declare that the project report titled **"Iot Integrated Real-Time Transformer Health Monitoring And Protection System"** has been completed under the supervision of **Mrs. Ch Sabitha,Assistant Professor,** Department of **Electrical and Electronics Engineering**. This report is submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING.**

This is a record of work carried out by us, and the results presented in this project have not been reproduced or copied from any source. Furthermore, the results embodied in this project report have not been submitted to any other University or Institute for the award of any other degree or diploma.

ACKNOWLEDGEMENT

We take this opportunity to express our **sincere gratitude** to all those who have contributed to the successful completion of our research work. Their guidance, support, and encouragement have been invaluable throughout this journey.

We extend our **heartfelt thanks** to our supervisor, **Mrs. Ch. Sabitha**, **Assistant Professor**, Department of **Electrical & Electronics Engineering**, for his/her invaluable mentorship, insightful guidance, and unwavering support throughout the course of this research. His/her expertise and constructive feedback have been instrumental in shaping this work.

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