

ENHANCED DEEPPAKE DETECTION USING TEMPORAL SEGMENT NETWORKS

A PROJECT REPORT

Submitted by

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in partial fulfillment for the award of the

degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



PANIMALAR ENGINEERING COLLEGE, CHENNAI-600123.

(An Autonomous Institution, Affiliated to Anna University, Chennai)

APRIL 2025

PANIMALAR ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)

BONAFIDE CERTIFICATE

Certified that this project report “**ENHANCED DEEPPFAKE DETECTION USING TEMPORAL SEGMENT NETWORKS**” is the Bonafide work of “**JAYASHREE A (211421104107), LEENA SRI MP (211421104141), KETHSIA I (211421104127)**” who carried out the project work under my supervision

SIGNATURE

Dr.L.JABASHEELA ,M.E.,Ph.D.,

HEAD OF THE DEPARTMENT

DEPARTMENT OF CSE,
PANIMALAR ENGINEERING COLLEGE,
NASARATHPETTAI,
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SIGNATURE

Dr. KAVITHA SUBRAMANI., M.E., Ph.D

**SUPERVISOR,
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Certified that the above- mentioned students were examined in the university
project viva-voce held on _____

INTERNAL EXAMINER

EXTERNAL EXAMINER

DECLARATION BY THE STUDENT

We “**JAYASHREE A (211421104107), LEENA SRI MP (211421104141), KETHSIA I (211421104127)**” hereby declare that this project report titled “**ENHANCED DEEPFAKE DETECTION USING TEMPORAL SEGMENT NETWORKS**” under the guidance of **Dr. KAVITHA SUBRAMANI** is the original work done by us and we have not plagiarized or submitted to any other degree in any university by us.

JAYASHREE A

LEENA SRI MP

KETHSIA I

ACKNOWLEDGEMENT

We would like to express our deep gratitude to our respected Secretary and Correspondent **Dr.P.CHINNADURAI, M.A., Ph.D.** for his kind words and enthusiastic motivation, which inspired us a lot in completing this project.

We express our sincere thanks to our directors **Tmt. C.VIJAYARAJESWARI, Dr. C.SAKTHI KUMAR, M.E., Ph.D** and **Dr. SARANYASREE SAKTHI KUMAR B.E., M.B.A., Ph.D.,** for providing us with the necessary facilities to undertake this project.

We also express our gratitude to our Principal **Dr. K. MANI, M.E., Ph.D.** who facilitated us in completing the project.

We thank the Head of the CSE Department, **Dr. JABASHEELA, M.E., Ph.D.,** for the support extended throughout the project.

We would like to thank our project guide **Dr. KAVITHA SUBRAMANI., M.E., Ph.D** and all the faculty members of the Department of CSE for their advice and encouragement for the successful completion of the project.

Thus, we dedicate our efforts to thank our beloved parents who have given us the opportunity to receive education and have provided us with ample resources and an environment to work efficiently. We also thank our friends and our beloved seniors for their support as we worked through the project.

JAYASHREE A

LEENA SRI MP

KETHSIA I



SPIRO SOLUTIONS PVT LTD

01.04.2025

To Whomsoever It May Concern

This is to certify that **JAYASHREE A (211421104107), LEENA SRI M P (211421104141) , KETHSIA I(211421104127)**, a student of final year B.E COMPUTER SCIENCE AND ENGINEERING of “**PANIMALAR ENGINEERING COLLEGE** ” has completed his major project with great success at our concern, under the Title: “**ADVANCED DEEPFAKE DETECTION USING TEMPORAL SEGMENT NETWORKS**” from **JANUARY 2025** to **MARCH 2025**.

Their project is found to be relevant regarding their stream and they had submitted a copy of the project report to us. During their Project period we found their sincere & hard working & possessing a good behaviour and a moral character.

We wish them grand success in future endeavours.

For SPIRO PRIME TECH SERVICES,

M.SAMPATH KUMAR
MANAGER

