

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590018



A PROJECT REPORT

ON

“Transparent Diagnosis for Diabetic Retinopathy”

A Dissertation Submitted in partial fulfillment of the requirement for the degree of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE & ENGINEERING

Submitted by

RUTHU N (1RG22CS068)

SARANYA M S (1RG22CS074)

SPANDANA R (1RG22CS079)

VEENA K (1RG22CS086)

Under The Guidance Of

Mrs. Deepti N N

Assistant Professor, Dept. of CSE

RGIT, Bengaluru - 32



Department of Computer Science & Engineering

RAJIV GANDHI INSTITUTE OF TECHNOLOGY

Cholanagar, R.T.Nagar Post, Bengaluru – 560032

2025 - 2026

RAJIV GANDHI INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technology University)

Cholanagar, R.T.Nagar Post, Bengaluru – 560032

Department of Computer Science & Engineering



CERTIFICATE

Phase-II

This is to certify that the Project Report entitled as “**Transparent Diagnosis for Diabetic Retinopathy**” is a bonafide work carried out by **Ms. RUTHU N (1RG22CS068)**, **Ms. SARANYA M S (1RG22CS074)**, **Ms. SPANDANA R (1RG22CS079)**, **Ms. VEENA K (1RG22CS086)**, in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** under **Visvesvaraya Technological University, Belagavi**, during the year **2025-2026**. It is certified that all corrections/suggestions given for Internal Assessment have been incorporated in the report. This project report has been approved as it satisfies the academic requirements prescribed for the said degree.

Signature of Guide

Mrs. Deepti N N

Assistant Professor

Dept of CSE,

RGIT, Bengaluru

Signature of HOD

Dr. Arudra A

Head of Department

Dept of CSE,

RGIT, Bengaluru

Signature of Principal

Dr. D G Anand

Principal

RGIT,

Bengaluru

External Viva

Name of the Examiner

1.

2.

Signature with date

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



RAJIV GANDHI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



DECLARATION

We hereby declare that the project report entitled **“Transparent Diagnosis for Diabetic Retinopathy”** submitted to the **Visvesvaraya Technological University, Belagavi** during the academic year **2025-2026**, is record of an original work done by us under the guidance of **Mrs. Deepti N N Assistant Professor** , Department of Computer Science and Engineering, RGIT, Bengaluru and this project report is submitted in the partial fulfillment of requirements for the award of the degree of **Bachelor of Engineering in Computer Science & Engineering**. The results embodied in this report have not been submitted to any other University or Institute for award of any degree or diploma.

RUTHU N (1RG22CS068)

SARANYA M S (1RG22CS074)

SPANDANA R (1RG22CS079)

VEENA K (1RG22CS086)

ACKNOWLEDGEMENT

We would like to take this opportunity to thank our college **Rajiv Gandhi Institute of Technology**, Bengaluru for providing us with an opportunity to carry out this project work.

We express our gratitude to **Dr. D G Anand**, Principal, RGIT, Bengaluru for providing the resources and support without which the completion of this project would have been a difficult task.

We extend our sincere thanks to **Dr. Arudra A**, Associate Professor and Head of the Department of Computer Science and Engineering, RGIT, Bengaluru, for being a pillar of support and encouraging us in face of all adversities.

We would like to acknowledge the through guidance and support extended towards us by **Mrs. Deepti N N**, Assistant Professor, Dept. of CSE, RGIT, Bengaluru, and project coordinators **Dr. Latha P H**, Assistant Professor, Dept. of CSE, RGIT, Bengaluru, **Mrs. Bhagyashri Wakde**, Assistant Professor, Dept. of CSE, RGIT, Bengaluru. Their incessant encouragement and valuable technical support have been of immense help. Their guidance gave us the environment to enhance our knowledge, skills and to reach the pinnacle with sheer determination, dedication and hard work.

We also extend our thanks to the entire faculty and support staff of the Department of Computer Science and Engineering, RGIT, Bengaluru, who has encouraged us throughout the course of Bachelor's Degree.

We want to thank my family for always being there with full support and for providing us with a safe haven to conduct and complete our project. We are ever grateful to them for helping us in these stressful times. Lastly, we would like to acknowledge all the helpful insights given to us by all our friends during the course of this project.

RUTHU N (1RG22CS068)

SARANYA M S (1RG22CS074)

SPANDANA R (1RG22CS079)

VEENA K (1RG22CS086)