

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi-560 014, Karnataka



**A Mini Project Report On**

**“ROAD POTHOLE DETECTION”**

**SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE  
COMPUTER GRAPHICS AND IMAGE PROCESSING LABORATORY [21CSL66]**

**OF**

**BACHELOR OF ENGINEERING**

**IN**

**Department of Computer Science and Engineering**

**Submitted By**

**1. KISHOR N [1SV21CS038]**

**2. DHEERAJ S[1SV21CS027]**

**Under the Guidance of**

**Prof. Shanmukaswamy C.V. B.E.,M.E.,MISTE.**

**Associate Professor, Dept of CSE, SIET, Tumakuru**

**and**

**Mrs. Rashmi N B.E., M.Tech.**

**Assistant Professor, Dept of CSE, SIET, Tumakuru**



**Department of Computer Science and Engineering**

**SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**(Affiliated to Visvesvaraya Technological University)**

**Sira Road, Tumakuru-572 106, Karnataka.**

**2023-2024**



Sri Shridevi Charitable Trust (R.)  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### CERTIFICATE

This is to certify that the mini-project entitled “**ROAD POTHOLE DETECTION**” has been successfully carried out by **1.KISHOR N [1SV21CS038], 2. DHEERAJ S[1SV21CS027]** in partial fulfillment for the **Computer Graphics and Image Processing Laboratory [21CSL66]** Mini Project of **Bachelor of Engineering in the Department of Computer Science and 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 into the report. The Mini Project Report has been approved as it satisfies the academic requirements in respect of the Subject of the Bachelor of Engineering Degree.

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**Signature of the Guide**

**Mrs. Rashmi N** B. E, M. Tech,  
Assistant Professor, Dept of CSE,  
SIET, Tumakuru

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**Signature of the Guide**

**Prof. Shanmukaswamy C V** B. E, M. E, MISTE  
Associate Professor, Dept of CSE,  
SIET, Tumakuru

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**Signature of the H.O.D**

**Dr. Basavesha D** B.E., M.Tech., Ph. D., MISTE.

Associate Professor and HOD, Dept of CSE, SIET, Tumakuru.

**Name of the Examiners**

1. \_\_\_\_\_

2. \_\_\_\_\_

**Signature with Date**

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### DECLARATION

We **KISHOR N [1SV21CS038]** and **DHEERAJ S [1SV21CS027]**, students of VI semester **B.E** in Computer Science & Engineering , at Shridevi Institute of Engineering & Technology, Tumakuru, hereby declare that, the Mini Project work entitled “**ROAD POTHOLE DETECTION**”, embodies the report of our Mini-Project work carried out under the guidance of Prof. Shanmukaswamy C. V., Associate Professor, Dept. of CSE, and Mrs. Rashmi N, Assistant Professor, Department of CSE, SIET as partial fulfillment of requirements for the **Computer Graphics and Image Processing Laboratory [21CSL66]** mini project of Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belagavi, during the academic year **2023-24**. The Mini Project has been approved as it satisfies the academic requirements in respect to the Mini Project work.

Place: Tumakuru

Date:

Students' Name and Signature

**KISHOR N [1SV21CS038]**

**DHEERAJ S[1SV21CS027]**

## **ACKNOWLEDGEMENT**

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

We would like to thank our guides **Prof. Shanmukaswamy C. V., Associate Professor** and **Mrs. Rashmi N, Assistant Professor**, Computer Science & Engineering, SIET for their support, sharing their technical expertise timely advice invaluable guidance and assistance throughout this mini-project.

We would like to thank the Head of the Department **Dr. Basavesha D, Associate Professor and Head, Department of Computer Science and Engineering, SIET** for providing all the support and facility.

We express our profound gratitude to **Dr. Narendra Viswanath, Principal, SIET**, for his moral support towards completing our mini-project work.

We would like to express our sincere gratitude to all teaching and non-teaching faculty of the Department of CSE for guiding us in this mini-project by giving valuable suggestions and encouragement.

**KISHOR N [1SV21CS038]**

**DHEERAJ S [1SV21CS027]**