A

Project Report

on

# "FOREFRONT FRAMEWORK FOR ROAD ANOMALIES SURVEILLANCE"

SUBMITTED AS THE PARTIAL FULFILMENT OF DEGREE OF

Master of Science in Geoinformatics

Submitted By

Darshan A. Dhobi

ID NO: 19GI05

Exam No: 3

**Under the Guidance of**

Mr. Krunal Suthar

**Institute** of Science & Technology
**for Advanced** Studies & Research
Affiliated to Sardar Patel University
Recognized under Section 2(f) and 12(B) of the UGC Act, 1956

Fstd. 1999

# INSTITUTE OF SCIENCE AND TECHNOLOGY FOR

# ADVANCED STUDIES &RESEARCH [ISTAR]

## SARDAR PATEL UNIVERSITY

## VALLABH VIDHYANAGAR - 388120

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**INSTITUTE OF SCIENCE & TECHNOLOGY**
**FOR ADVANCED STUDIES & RESEARCH**
(MANAGED BY CHARUTAR VIDYAMANDAL)

**Accredited 'A' Grade by NAAC & Knowledge Consortium of Gujarat**

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# CERTIFICATE

This is to certify that Mr. / Miss **DARSHANKUMAR ASHWINBHAI DHOBI**

Exam Number **3**, student of M.Sc. Geoinformatics, Institute of Science &

Technology for Advanced Studies & Research, Vallabh Vidyanagar, Gujarat has

carried out his/her 4th semester project work - (PS04CGIN21) in M.Sc.

Geoinformatics from 01/01/2021 to 30/04/2021 as a partial fulfillment of Master of

Science in Geoinformatics affiliated to Sardar Patel University.

**Dr. Unnati A. Patel**
**Asst. Professor,**
**M.Sc. Geoinformatics**

**Dr. Nirmal Kumar J. I.**
**Principal**

# ENERCOMP
## SOLUTIONS PVT. LTD.

Ref: Enercomp/202101/02

Date: 17th June 2021

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Darshan Ashvinbhai Dhobi, student of ISTAR [INSTITUTE OF SCIENCE AND TECHNOLOGY FOR ADVANCED STUDIES AND RESEARCH] ANAND, has successfully completed a 4 Months Internship programme of Road Inspection using Terrestrial Photogrammetry Techniques executed at Enercomp Solutions Pvt.Ltd. from 1st Jan 2021 to 30th April 2021. During the internship programme he was found hardworking and inquisitive.

We wish him all success in his career.

Sincerely,

Suresh Shahdadpuri
[Managing Director]
Enercomp Solutions Pvt. Ltd.
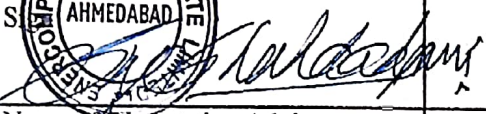
# Certificate of Dissertation Advisor's consent

This is to certify that the dissertation titled **Forfront Framework For Road Anomalies Surveillance** has been submitted by **Darshan Dhobi** (PS04CGIN21) towards partial fulfilment of the requirements for the award of M.Sc. Geoinformatics degree at ISTAR and has been carried out under my supervision.

The student has carried out the modifications recommended by the advisors and external examiners adequately and to my satisfaction.

| | | |
|---|---|---|
| Sign | | Sign |
| Name of Dissertation Advisor | | Name of Dissertation Advisor |
| Mr. Suresh Shahdadpuri | | Mr. Kunal Suthar |
| (External) | | (Internal) |
| Date: 17th June, 2021 | | Date: 17th June, 2021 |

# Acknowledgements