



INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH
ISTAR - Constituent College of CVM University
1st Rank among All Colleges of Gujarat by KCG (GSIRF) - 2021
Recognized under Section 2(f) and 12(B) of the UGC Act, 1956



A Project Report on
Flood Affected Land Use and Land Cover
Mapping and Monitoring of AUDA Areas

Submitted by
MAITRI NAYANKUMAR BHATT
(Roll no: 22GI05, Enrollment no:22201400301005)

Internal Guide

DR. KRUNAL B. SUTHAR
HOD, Geoinformatics
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Academic year
2023-2024



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Guided by:

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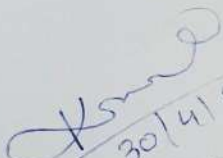
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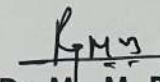


CERTIFICATE

This is to certify that the project work embodied in this report entitled "Flood Affected Land Use and Land Cover Mapping and Monitoring of AUDA Areas" was carried out by Ms. Maitri Nayankumar Bhatt (22201400301005) at the Geoinformatics department, Institute of Science and Technology for Advanced Studies and Research (ISTAR)- CVM University, Vallabh Vidyanagar fulfilment of the requirement for the award of M.Sc. (Geoinformatics) for the Project Work (201400401). This project work has been carried out under my guidance and it is to my satisfaction.


30/4/24

Dr. Krunal B. Suthar
Project Guide,
Head, P.G. Department of Geoinformatics
ISTAR-CVM University


30/4/2024
Dr. M. M. Raj
Principal,
ISTAR-CVM University

PRINCIPAL
INSTITUTE OF SCIENCE & TECHNOLOGY
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(ISTAR)
VALLABH VIDYANAGAR-388120





GOVERNMENT OF KARNATAKA
DEPARTMENT OF WATER RESOURCES
BANGALORE

CERTIFICATE OF INTERNSHIP

This internship program certificate is awarded to


Maitri Bhatt

for successfully completing Two-months Winter Internship Program

organized during 01st December, 2023 to 31st January, 2024

on the topic **"Flood Hazard Mapping and Monitoring of Flood plains around AUDA areas"**.

She is found to be hardworking, sincere and keen learner. We wish her all the best for future.


DR. R. SHIV KUMAR
CHIEF ENGINEER
WATER RESOURCES
DEPARTMENT
BANGALORE

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DEPARTMENT
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INTERNSHIP CERTIFICATE

This is to certify that **Bhatt Maitri N.** student of **MSC(GIS) Department, Institute of Science & Technology for Advanced Studies & Research** has successfully completed her project on **"Urban Land Cover Change Dynamics with Increasing Population Scenario for Ahemdabad city"** under the supervision of **Mr. Sumit Chawla** at **Ultron Technologies**. This work was accomplished in the duration starting from **2nd February, 2024 to 20th April, 2024**. They have done their work sincerely and have completed their project. We found their work satisfactory. We wish her the best in future growth.

Place : Vallabh Vidyanagar
Date : 20/04/2024



Sumit Chawla
CEO Ultron Technologies

Acknowledgement:

I would like to express gratitude to Dr. Krunal Suthar my advisor and guide, for his support and guidance helpful to complete my project.

I would like to Thank to Mrs. Kamini Rathod for giving me opportunity to do an internship within the organization.

I would like to extend my appreciation to classmates who have been actively involved in brainstorming ideas and conducting experiments. Their collaborative efforts have been instrumental in the smooth execution of this project.

I would like to express my gratitude to Principle of ISTAR College Dr. M.M. Mahendra Raj and Assistant professor Ms. Akgansha Verma to Complete this project.

Thanking You

Maitri Nayankumar Bhatt (22201400301005)