

Updating of GIS maps with Change Detection of Buildings using Ensemble of ResNet and U-Net Model

Mini Project -1 REPORT

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

By

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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
V.R SIDDHARTHA ENGINEERING COLLEGE**

Autonomous and Approved by AICTE- NAAC A+ Accreditation

Affiliated to Jawaharlal Nehru Technological University, Kakinada

Vijayawada-520 007

December, 2023

**V.R SIDDHARTHA ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**



CERTIFICATE

This is to certify that the Mini Project 1 Report entitled “**Updating of GIS maps with Change Detection of Buildings using Ensemble of ResNet and U-Net Model**” being submitted by ----- in partial fulfillment for the award of the Degree of **Bachelor of Technology** in ARTIFICIAL INTELLIGENCE AND DATA SCIENCE to the **Jawaharlal Nehru Technological University, Kakinada** is a record of bonafide work carried out under my guidance and supervision. Certified further, that to the best of my knowledge the work reported herein does not form any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or anyother candidate.

XXXX

Professor & Guide

Dr.S.Vasavi, MS, Ph.D

Professor & Head of the Department

DECLARATION

We hereby declare that the dissertation entitled *Updating of GIS maps with Change Detection of Buildings using Ensemble of ResNet and U-Net Model* submitted for the B.Tech Degree is our original work and the dissertation has not formed the basis for the award of any degree, associateship, fellowship or any other similar titles.

Place: Vijayawada

Student Name (rollno)

Date:

Student Name (rollno)

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Date: 21-06-2023 Student Name (rollno)