A
Project Report
On

# MAPPING METHODOLOGY OF PUBLIC URBAN GREEN SPACES USING GIS: AN EXAMPLE OF NAGPUR CITY, INDIA

SUBMITTED AS THE PARTIAL FULFFILLMENT OF DEGREE OF

**Master of Science in Geoinformatics** 

**Submitted By** 

**POOJA KUMARI PRAJAPATI** 

ID No.: 19GI14

Exam No.: 11

**Under the Guidance of** 

Dr. UNNATI PATEL



Esta 1999

Institute of Science & Technology for Advanced Studies & Research

Affilialed to Sérdar Patel University

Recognized under Section 2(f) and 12(B) of the UGC Act. 1956

INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH (ISTAR)

> SARDAR PATEL UNIVERSITY VALLABH VIDYANAGAR-388120

## Mapping Methodology of Public Urban Green Spaces Using GIS: An Example of Nagpur City, India

### By Pooja kumari Prajapati

Submitted in partial fulfillment of requirements for the degree of:

## MASTER OF SCIENCE IN GEOINFORMATICS

For the dissertation of project work done during the period of December 2020 to March 2021

Under the supervision of: Mr. Vaibhav Patel, GIS Engineer, design point consulting Surat Dr. Unnati Patel, Faculty of Msc. Geoinformatics, ISTAR, SPU



## 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. 1958

#### **DECLARATION**

I Pooja k. Prajapati, hereby declare that the thesis entitled "URBAN GREEN SPACE MAPPING" is being submitted in the partial fulfillment of the dissertation work done for the award of Master of Science in Geoinformatics.

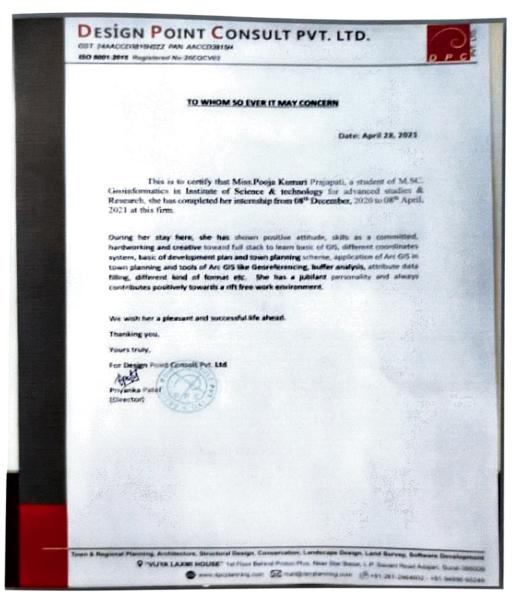
The research work has been conducted under the duidance of Mr. Vaibhav Patel (GIS Engineer), at Central Computing Facility (CCF) Lab, Geographic Information Technology and Distance Learning (GT/DL) department of Design Point Constulting Surat.

The project is Completed sincerely under the supervision of Dr. Unnati Patel, faculty of M.SC. Geoinformatics, Institute of Science and Technology for Advance Studies and Research (ISTAR), affiliated to Sardar Patel University (SPU), Vallabh Vidya Nager.

Signature

Name: Pooja K. Prajapati

ID: 19GI14 (ISTAR)



Surat Internship Certificate

INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH

Accredited 'A' Grade by NAAC & Knowledge Consortium of Gujara

Sarder Patel Centre for Sownoa & Technology, Post Box No.13, Valuoti Volyanagar-388 120, Dist. Anand (Gujarat), INDIA Por. (02692). 234955(234366. Fax. 02692-234955. E-mail: intercompositioning on his language.



#### **CERTIFICATE**

This is to certify that Mr. / Miss **POOJA KUMARI** Exam Number 11, 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 08/12/2020 to 08/04/2021 as a partial fulfillment of Master of Science in Geoinformatics affiliated to Sardar Patel University.

Marie

Dr. Unnati A. Patel Asst. Professor, M.Sc. Geoinformatics Dr. Nirmal Kumar J. I. Principal

#### ACKNOWLEDGEMENT

First foremost, I would like to express my gratitude to our director DPC Mr. Vaibhav Patel, Director, DPC for providing all the opportunities and facilities which were required for successful completion of the project.

I am deeply indebted to my project guide Mr. Harsh Patel for beneficial supervision during the period of research. His keen insight in the field highly motivated me to work harder and efficiently. I feel honored to be working under such a kin hearted person and enduring mentor.

I am very much grateful to my college guide **Dr. Unnati Patel** (Faculty, **M.SC.Geoinformatics**, **ISTAR**), for his help and support whenever and wherever I needed. His enthusiasm in learning new applications for the field always influenced me find new possibilities.

I am nonetheless obliged to thank my **fellow trainees**, for helping me with little issues occurred during the research. My colleague and friend for supporting me on and off work.

My parents are my sole motivators, this journey wouldn't have been possible without them. Any amount of words are less to thank them.

"Always be a work in progress." Emily Lillian