



INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH
ISTAR - Constituent College of CVM University
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Recognized under Section 2(f) and 12(B) of the UGC Act, 1956



A Project Report on
**SMART CITY JHANSI SOLID WASTE
COLLECTION ROUTES**

Submitted by
SANDIPKUMAR HARESHBHAI SANKHAT
(Roll no: 22GI08, Enrollment No: 22201400301008)

Internal Guide

DR. KRUNAL B. SUTHAR
HOD, Geoinformatics
Department -ISTAR
The CVM Universtiy
V.V. Nagar-388120,
Gujarat, India

External Guide

Mr. SAGAR SHAH
Manager – GIS
Services at scanpoint
Geomatics Ltd

Academic year
2023-2024



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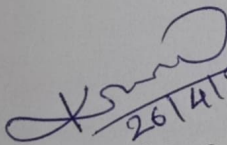


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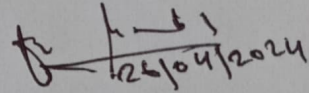


CERTIFICATE

This is to certify that the project work embodied in this report entitled "SMART CITY JHANSI SOLID WASTE COLLECTION ROUTES "was carried out by Mr. SANDIPKUMAR HARESHBHAI SANKHAT (22GI08) 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.


26/4/24

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


26/04/2024

Dr. M. M. Raj
Principal,
ISTAR-CVM University

PRINCIPAL
INSTITUTE OF SCIENCE & TECHNOLOGY
FOR ADVANCED STUDIES & RESEARCH
(ISTAR)
VALLABH VIDYANAGAR-388120



Ref.: SGL/HR/2024-25

Date: 17th April, 2024

TO WHOME IT MAT CONCERN

This is to certify that **Mr. Sandipkumar Hareshbhai Sankhat**, has Successfully completed his traineeship in the field of **Smart city Jhansi solid waste collection routes**. from **03rd October, 2023 to 15th April, 2024**. Under the guidance of **Sagar Shah**.

During the period of his internship program with us, he had been exposed to different process and was found diligent, hardworking and inquisitive.

We wish him every success in his life and career.

Yours Sincerely,




Mr. Rajesh Jesani

Senior Executive Manager – Human Resources

ACKNOWLEDGEMENT

I am writing to express my sincere gratitude for the invaluable support and guidance extended to me during the completion of my thesis work." SMART CITY JHANSI SOLID WASTE COLLECTION ROUTE" Your vision, encouragement, and commitment to academic excellence have been instrumental in shaping the trajectory of my research journey.

I would like to extend my heartfelt appreciation to Dr. Krunal Suthar HOD Geoinformatics Department, for his invaluable guidance and mentorship as my internal guide throughout this endeavor. Dr. Suthar's expertise, scholarly insights, and unwavering support have significantly contributed to the successful completion of my thesis.

Furthermore, I am deeply grateful to Mr. Sagar Shah for his invaluable contribution as an external guide. His expertise and guidance have been pivotal in broadening the scope of my research and enhancing its depth.

I am immensely grateful to Dr. M.M. Raj, Principal of ISTAR College Ms. Akangsha Verma Assistant Prof of Geoinformatics Department, and CVM University for their unwavering support and guidance throughout the completion of my thesis project. Their visionary leadership, encouragement, and dedication to academic excellence have been instrumental in shaping my research journey. I extend my heartfelt thanks to them for providing the necessary resources, conducive environment, and invaluable mentorship. I would also like to express my gratitude to Scanpoint for their support and assistance throughout my thesis work. Their resources and expertise have been invaluable assets in facilitating the research process and enhancing the quality of my work.

Once again, I extend my heartfelt gratitude to you, Dr. Suthar, Mr. Shah, Dr. M.M Raj principal ISTAR College and Scanpoint for your unwavering support and guidance. I am deeply appreciative of the opportunity to learn and grow under your mentorship, and I look forward to your continued guidance and support in my future academic pursuits.

Thanking you

**Sandipkumar Hareshbhai Sankhat
(22GI08)**