

A  
Project Report  
on

## Earthquake Monitoring Dashboard

Submitted By: Rahul J. Nandwana

[22001400301010]

Under the guidance of  
Mr. Krunal Suthar

A Thesis submitted to

The Charutar Vidyamandal University in Partial Fulfillment of the  
Requirements for the Master of Science Degree in Geoinformatics

[May 2022]

Institute of Science & Technology for Advanced Studies & Research (ISTAR),  
Vallabh Vidhya Nagar, Gujarat-India



INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH  
ISTAR - Constituent Colleges 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



---

Jee L D

A  
**Project Report**  
on  
**Earthquake Monitoring Dashboard**

**Submitted By: Rahul J. Nandwana**  
**[22001400301010]**

**Under the guidance of**  
**Mr. Krunal Suthar**

A Thesis submitted to  
The Charutar Vidyamandal University in Partial Fulfillment of the  
Requirements for the Master of Science Degree in Geoinformatics  
[May 2022]

**Institute of Science & Technology for Advanced Studies & Research (ISTAR),  
Vallabh Vidhya Nagar, Gujarat-India**



**INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH**  
**ISTAR - Constituent Colleges 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



INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH  
ISTAR - Constituent Colleges 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



## COMPLIANCE CERTIFICATE

This is to certify that work embodied in this project work titled "Earthquake Monitoring Dashboard" was carried out by Mr. / Miss **RAHUL JAGDISHBHAI NANDWANA - 22001400301010** at **Institute of Science & Technology for Advanced Studies & Research (ISTAR)** for partial fulfillment of **Master of Science** degree in **Geoinformatics** to be awarded by **The Charutar Vidyamandal University**. This project work has carried out under my guidance and supervision and it is up to my satisfaction.

Date: 02-05-2022

Place: ISTAR, V.V. Nagar

**RAHUL JAGDISHBHAI NANDWANA**  
**(22001400301010)**  
**(Student)**

**External Guide Name**  
**(Guide)**

**MR. PANKAJ SHIYMANI**

INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH  
ISTAR - Constituent Colleges 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



## CERTIFICATE

This is to certify that project work embodied in this project work titled “Earthquake Monitoring Dashboard” was carried out by Mr. **RAHUL JAGDISHBHAI NANDWANA** at Institute of Science & Technology for Advanced Studies & Research (ISTAR) for partial fulfillment of **Master of Science** degree in **Geoinformatics** to be awarded by **The Charutar Vidyamandal University**. This project work has carried out under my guidance and supervision and it is up to my satisfaction.

Date: 02-05-2022

Place: ISTAR, V.V. Nagar

Internal Guide

**Mr. Krunal B. Suthar**  
Assistant Professor,  
M.Sc. Geoinformatics

**Dr. K. H. Patel**  
Director

## Acknowledgments

First of all, I would like to thank my Internal Guide of this wonderful master's program for their endless support and for creating a creative environment where goals and ideas can be freely realized. They, especially make it possible to offer motivated young people from all over the world a unique learning environment.

I am deeply grateful for the opportunity to write this master thesis on Earthquake Monitoring Dashboard. This field has accompanied me for a long time and this thesis gave me the opportunity to acquire in-depth background knowledge and to get involved in a topic that completely fascinates me. For this reason, I thank my External Guide Mr. Pankaj Shivnani for their dedicated support, advice and cooperation. For encouraging the realization of my own ideas and goals in and for giving me the freedom to do so!

Finally, my deepest gratitude goes to the people I love the most and who are closest to me. I cannot thank you enough for your support, your opinion and your comfort in difficult times, which accompanied me not only during this master's thesis but throughout my studies. Without you, would not have been possible and you are part of this result. This is especially true for both of my parents who have supported me in the most important moments and who have always been my safe haven. I am eternally grateful that I made this training possible from start to finish.