

**BUILDING FOOTPRINT EXTRACTION FROM HIGH  
RESOLUTION SATELLITE IMAGE USING DEEP LEARNING**

**A PROJECT REPORT**

*Submitted by*

**Chancy Shah**

**ID.NO. 19GI04**

**Exam No.: 2**

*in partial fulfilment for the award of the degree  
of Master of Science in Geoinformatics*

*Under the Guidance  
of Mr. Krunal Suthar*

**Assistant Professor, ISTAR**

**Mr. Hiren Bhatt**

**Head, CGDD/VRG/EPISA**

**Space Applications Centre (ISRO), Ahmedabad**



**TRAINING AND RESEARCH IN EARTH ECO-SYSTEM  
SPACE APPLICATIONS CENTRE (ISRO), AHMEDABAD, GUJARAT**



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



**SARDAR PATEL UNIVERSITY VALLABH**

**VIDYANAGAR - 388120**

**Academic Year: 2020 - 2021**

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**Earth-Ecosystems Research and Training Division (ERTD)**

**VEDAS Research Group (VRG)**

**Earth, Ocean, Atmosphere, Planetary Sciences and Applications**

**Area (EPSA)**

**CERTIFICATE**

This is to certify that Ms. **CHANCY RITESHKUMAR SHAH**, Master of Science in Geoinformatics, Institute of Science & Technology for Advanced Studies & Research, Vallabh Vidyanagar has satisfactorily completed her project "**BUILDING FOOTPRINT EXTRACTION FROM HIGH RESOLUTION SATELLITE IMAGE USING DEEP LEARNING**" under the guidance of Mr **HIREN BHATT**, Head, CGDD/VRG/EPSA. Space Applications Centre, Ahmedabad from **11 January 2021 to 11 June 2021**. The research work was carried out under **Training and Research in Earth Eco-System (TREES)** Program of Space Applications Centre, Ahmedabad.

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**CERTIFICATE**

This is to certify that Mr. / Miss **CHANCY RITESHKUMAR SHAH** Exam Number **2**, student of M.Sc. Geoinformatics, Institute of Science & Technology for Advanced Studies & Research, Vallabh Vidyanagar, Gujarat has carried out his/her 4<sup>th</sup> semester project work - (PS04CGIN21) in M.Sc. Geoinformatics from 11/01/2021 to 05/06/2021 as a partial fulfillment of Master of Science in Geoinformatics affiliated to Sardar Patel University.

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Thank You!

Shah Chancy