

**A
Project Report
On
"GROSS PRIMARY PRODUCTIVITY ESTIMATION ACROSS
INDIAN FOREST USING AWIFS-DATA"
SUBMITTED AS THE PARTIAL FULFILLMENT OF DEGREE
OF
Master of Science in Geoinformatics**

Submitted By

Jaini J Pokar

ID NO: 17GI05

Exam No: 05

Under the Guidance of

Mr. Krunal Suthar



Estd. 1999

**Institute of Science & Technology
for Advanced Studies & Research**

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

**INSTITUTE OF SCIENCE & TECHNOLOGY FOR
ADVANCED STUDIES & RESEARCH
SARDAR PATEL UNIVERSITY
VALLABH VIDYANAGAR -388120**

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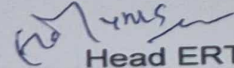
**Earth-ecosystems Research and Training Division
(ERTD)**

VEDAS Research Group (VRG)

**Earth, Ocean, Atmosphere, Planetary Sciences and
Applications Area (EPSA)**

CERTIFICATE

This is to certify that **Ms. JAINI JAYESHKUMAR POKAR, M.Sc.** Geoinformatics, Institute of science & technology of advance studies and research (ISTAR), Vallabh Vidhyanagr, has satisfactorily completed her project "**GROSS PRIMARY PRODUCTIVITY ESTIMATION ACROSS INDIAN FOREST USING AWIFS DATA**" under the guidance of **Dr. Nikhil Lele**, Scientist/Engineer - SE, AED-BPSG-EPSA, Space Applications Centre, Ahmedabad from 15-11-2018 to 03-04-2019. The work was carried out under **Training and Research in Earth Eco-System (TREES)** Program of Space Applications Centre, Ahmedabad.



Head ERTD

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भारत सरकार / Govt of India
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CERTIFICATE

This is to certify that Mr. / Miss **JAINI JAYESH POKAR** Exam Number **5**, student of Institute of Science & Technology for Advanced Studies & Research, Vallabh Vidyanagar, Gujarat has carried out his/her 4th semester project work- (PS02CGIN24) in M.Sc. Geoinformatics from 15th November 2018 to 31st March 2019 as a partial fulfillment of Master of Science in Geoinformatics affiliated to Sardar Patel University.

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**Dr. Nirmal Kumar J. I.
Principal**



GROSS PRIMARY PRODUCTIVITY ESTIMATION ACROSS INDIAN FOREST USING AWIFS-DATA

Report Submitted for
Completion of Training under



(Training and Research in Earth Eco System)

Submitted by

Ms. JAINI POKAR

Master of Science in Geoinformatics
Institute of science & technology in advance studies and research
(ISTAR), Vallabh vidyanagar

Under the guidance of

Dr. Nikhil Lele

(Scientist/Engineer - SE, SAC-ISRO)



Space Applications Centre (ISRO)
Ahmedabad, Guajrat

DECLARATION

I hereby declare that the thesis entitled "**GROSS PRIMARY PRODUCTIVITY ESTIMATION ACROSS INDIAN FOREST USING AWIFS DATA**" being submitted in partial fulfilment for the award of master of science in Geoinformatics is a bonafide record of research work done by me under the guidance of Dr. Nikhil Lele, Scientist/Engineer - SE, Agriculture and Land Ecosystem Division (EPSA), Space Applications Centre (ISRO), Ahmedabad.

Place: Ahmedabad

Date: 3/4/2019



JAINI POKAR

ACKNOWLEDGEMENT

The successful completion of this study required a lot of guidance and assistance from many people. At the end of my training it is a pleasant task to express my thanks to all those who contributed in many ways to the success of this study.

First and foremost, I would like to express my sincere gratitude towards **Mr. Shashikant A. Sharma**, Group Head, VRG (Vedas Research Group), **Dr. Markand P. Oza**, Head, CGDD (Content Generation and Data Dissemination) and **Dr. S.P. Vyas**, Head, ERTD (Earth-ecosystem Research and Training Division) for giving me a wonderful opportunity to work under the TREES program. I am also thankful to **Mr. Hiren Bhatt**, for his constant support and guidance.

It's my pleasure in expressing my gratitude and indebtedness to **Dr. Nikhil Lele**, Project Guide, Scientist/Engineer - SE, Agriculture and Land Ecosystem Division (EPSA), SAC- ISRO, for his expertise and talent to suggest the way for research work, guidance and support during my work. His depth knowledge of the field has always motivated me to work more systematically and with perfection.

I am very grateful to **Mr. Krunal Suthar**, Assistant Professor, Institute of science & technology in advance studies and research, ISTAR , for his continuous help and support.

I widen my deepest thanks **Mrs. Kripa M K**, Research scholar, SAC-ISRO, Ahmedabad, India for her suggestions, support and involvement in every way to accomplish this Research work.

I am expressing my deepest thanks to all my colleague trainees and **Mr. Bhavesh Patel** who have been extremely cooperative and have helped me to complete my work successfully.

Last but not the least; I would like to thank my Parents for supporting me and for being by my side in all ups and downs.

JAINI POKAR