INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH

THE CHARUTAR VIDYA MANDAL UNIVERSITY

3rd Rank (5 Star) among All Colleges of Gujarat by KCG (GSIRF)

ISTAR

CVM UNIVERSITY

Project Report

On

IDENTIFYING FLOOD-PRONE AREA FOR KOSI RIVER BASIN USING MICROWAVE DATA

Submitted by

PAYAL HAZRA

(Roll no: 23GI04, Enrollment No: 22301400301004)

Internal Guide	External Guide
DR. KRUNAL B. SUTHAR	DR. KOYEL SUR
HOD, Geoinformatics	Scientist
Department -ISTAR	Geospatial Resource Mapping
The CVM University	and Application Group,
V.V. Nagar-388120,	Punjab Remote Sensing
Gujarat, India	Centre(PRSC), Ludhiana,
	India

Academic year
2024-2025

Project Report

On

IDENTIFYING FLOOD-PRONE AREA FOR KOSI RIVER BASIN USING MICROWAVE DATA

Submitted by

PAYAL HAZRA

(Roll no: 23GI04, Enrollment No: 22301400301004)

Guided by:

DR. KRUNAL B. SUTHAR

HOD, Geoinformatics Department -ISTAR

The CVM University

V.V. Nagar-388120, Gujarat, India

Academic year

2024-2025

CERTIFICATE

This is to certify that the project work embodied in this report entitled "IDENTIFYING FLOOD-PRONEAREA FOR KOSI RIVER BASIN USING MICROWAVE DATA" was carried out by Ms. PAYAL HAZRA (22301400301004) at the Geoinformatics Department, Institute of Science and Technology for Advanced Studies and Research (ISTAR) - CVM University, Vallabh Vidyanagar on fulfillment 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.

16/04/2025

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

ISTAR
VALLABH
VIDYANAGAR
388120

Dr. M. M. Raj
Principal,
ISTAR-CVM University
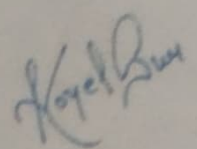
ਪੰਜਾਬ ਰਿਮੋਟ ਸੈਂਸਿੰਗ ਸੈਂਟਰ
ਪੰਜਾਬ ਸਰਕਾਰ ਵਿਭਾਗ
ਪੀ.ਏ.ਯੂ. ਕੈਂਪਸ, ਲੁਧਿਆਣਾ-141 004

PUNJAB REMOTE SENSING CENTRE
A Govt. of Punjab Enterprise
PAU Campus, Ludhiana-141004

Dated: 15/04/2025

This is to certify that the project work embodied in this report entitled **"IDENTIFYING FLOOD-PRONEAREA FOR KOSI RIVER BASIN USING MICROWAVE DATA"** was carried out by Ms. PAYAL HAZRA (22301400301004) student of Geoinformatics Department, Institute of Science and Technology for Advanced Studies and Research (ISTAR) - CVM University, Vallabh Vidyanagar on fulfillment 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.

Scientist
Punjab Remote Sensing Centre
PAU Campus, Ludhiana-14100

ACKNOWLEDGEMENT