PRAGYA DAS

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OBJECTIVE

To be associated with a progressive organisation that gives me scope to enrich my skills in the field of disaster management and related risk elements at a global level , to learn team dynamics and to work towards the growth of the organisation.

EDUCATION

Master's of Science - Disaster Mangement and Environmental Impact (DAMGE) 2021 - 2023
IMT MINES, Ales, France- M1 Completed 17.04/20.00 ECTS

Master's of Technology - Remote Sensing 2015 - 2017
Banasthali University, India, Gold Medalist 80.47%

Bachelor's of Engineering - Civil Engineering 2010 - 2014
Rungta College of Engineering and Technology (RCET), Raipur, India, Honours 78.78%

EXPERIENCE

MS Summer Internship: IMT MINES, Research Center, Ales, France June-July 2022
Part Time Teacher: SVCAET,IGKV, Raipur,Chhattisgarh, India March- August 2021
Image Analyst: Centre for GIS Technology, Raipur,Chhattisgarh, India August 2017-February 2021
Masters Thesis with NRSC, ISRO,Hyderabad, Telangana, India 2016-20171
Lecturer at REC, Chhattisgarh, India 2014-2015
Vocational Training: PWD, Raipur, Chhattisgarh, India May-June 2013
Summer Internship: Water Resource Division, Rajnandgaon, India June 2012

PROFILE

Upbeat Remote Sensing Researcher consistently striving to produce compliant deliverables in line with sketches, marked copies and written and verbal instructions. Adept at compiling, evaluating, modifying and analyzing data to support preparation of maps, tables, graphs, reports and databases. Articulate and organized professional with strong presentation skills and ability to comprehend, analyze and interpret documents with ease.

An unwavering commitment to the organisation with the ability to build trusted relationships, resolve complex issues in the field of mapping disastrous events and analysing them.

TECHNICAL SKILLS

Languages : R, Python, C++, C, Matlab
Tools/Framework : ERDAS Imagine, Arc-GIS, QGIS, DGPS, Google sketch-up
General : Latex
CED: Auto CAD

AREA OF INTEREST

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Risk Analysis/Management related to disastrous event, Disaster Mitigation and logistics supply management, Environment Conservation and Natural Resource Management using Image and Data Processing, Image Analysis, Map Production, Change Detection with and without models.

PROJECTS

MS Summer Internship : June-July 2021
Hotspot Modeling Of Malaria in Nigeria.
A bibliographical survey report on various models that were used in order to study the spread of malaria in Nigeria. Various environmental factors were taken into consideration while selecting the models based on which there efficiency was compared and studied for the internship report
Advisor: Mr. Nanlok Nimlang (PhD Research Fellow, IMT MINES, Research Center, Ales, France)

Masters Thesis : July 2016-July 2017
Hydrological Modeling of Trends in Seasonal Water Balance Components at River Basin Scale Using Time Series Land Use/Land Cover Data.
To prepare datasets for the VIC model using MODIS data and to compute and compare the variation in water balancing components at river basin scale for predicting the LULC change and to generate the required accuracy of the model.
Advisor: Dr. P.V. Raju, Scientist 'F', HOD Water Resource Division, National Remote Sensing Center, Hyderabad, India

Bachelor Thesis : July 2013 - April 2014
Comparative Study of Normal Concrete and Concrete prepared by addition of Agriculture By-product.
This project focuses on recycling agriculture residue by combining it with concrete and comparing its strength with normal concrete.
Advisor: Ashay D Shende, Assitant Professor, KDK College, Nagpur, MH, India

ACHIEVEMENTS

Gold Medalist in M.Tech (Remote Sensing), Banasthali Vidyapith, India 2018
Academic Excellence Medal in Bachelor of Engineering, RCET, India 2014
Certificate of Merit in Bachelor of Engineering, RCET, India 2013

PUBLICATIONS

Projection of future precipitation over Gangotri glacier at Himalayan belt using CMIP5 Climate Model : 2021
Chapter 23 "Advances in Hydrology and Climate Change: Historical Trends and New Approaches in Water Resources Management". Published by Taylor Francis Group. Authors: S.K. Chandniha, M. Arora, L. Pal, A. Kumar, P. Das, G.K. Das
Climatic variability and its behavior is a complex phenomenon that is directly associated with uncertainties.In the climate change study, particularly in hydrological aspects, it is necessary to identify the parameters (predictors) that are directly or indirectly associated with predictands. The forecasted results are directly associated with the selection of predictors.

Hydrological Modelling of Mahanadi Basin and their tributary exist in Chhattisgarh and part of Odisha: 2018
Authors: Pragya Das, P.V. Raju and Chilka Sharma
9th National Seminar IGKVV, India.
Change in crop sown in a region based on the water balance component trend analysis for a particular region, LULC can be managed efficiently.

Green Building- Need of Present Era: 2013
Authors: Pragya Das and Bhupali Deshpande.
24th QUARK-2013, Nagpur, India
This presentation was based on eco-friendly building techniques that were proposed to be constructed in a way that

produces less construction waste, self energy sufficient by harnessing solar and wind energy and uses construction materials that can be recycled.

TRAININGS

INTERNATIONAL TRAININGS

Mapping and Monitoring Lakes and Reservoirs with Satellite Observations, **NASA's Applied Remote Sensing Training Program** , Jan-Feb, 2022

Monitoring Coastal and Estuarine Water Quality Using Remote Sensing and In Situ, **NASA's Applied Remote Sensing Training Program** , Nov-Dec, 2021

Agricultural Crop Classification with Synthetic Aperture Radar and Optical Remote Sensing Data, **NASA's Applied Remote Sensing Training Program** , October, 2021

Satellite Observations for Analyzing Natural Hazards on Small Island Nations, **NASA's Applied Remote Sensing Training Program** , August, 2021

Hyperspectral Data for Land and Coastal Systems, **NASA's Applied Remote Sensing Training Program** , Jan-Feb, 2021

Remote Sensing of Coastal Ecosystems, **NASA's Applied Remote Sensing Training Program** , Aug-Sept, 2020

NATIONAL TRAININGS

Digital Cartography Evolution of Location Intelligence, **Geo-spatial Awareness Hub**, July, 2020.

Remote Sensing and Imagery Solutions for Academia, **CISCO and ARC-INDIA**, June,2020.

Advances in Forestry, Agroforestry and Remote Sensing, **IGKV**, May-June 2020.

Remote Sensing in crop Monitoring and assessment, **IIRS**, May-June 2020.

Geospatial Technologies for Urban Planning, **IIRS**, Feb-March 2016.

AUTOCAD, May-June 2012

PERSONAL INFORMATION

Date of Birth	JUNE 05, 1993
Nationality	**Indian**
Marital status	Unmarried.
Languages known	**(Proficient)** English, Hindi and **(Begginer)**French, German.
Activies	Reading,Calligraphy, Poetry and Exploring places.

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge. I will make it my earnest endeavour to discharge competently and carefully the duties you may be pleased to entrust me.

Place : Ales, FRANCE
Date :

Pragya DAS