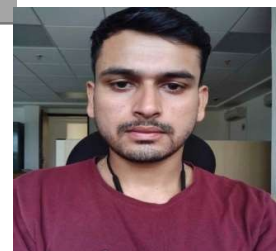


CURRICULAM VITAE

VIPAN MANDWAL
Associate Climate Resilient Practices.
UGVS-REAP, Uttarakhand



ACADEMIC QUALIFICATION:

S.N	Course Passed	Year of Passing	Subject/Stream	Institute/University /Board
1.	M.Sc	2016	Remote Sensing & GIS Applications	HNB Garhwal University, Srinagar Uttarakhand
2.	B.Sc.	2014	Physics, Geography, Maths	University of Jammu
3.	XII	2011	PCM + IT	(JKBOSE)
4.	X	2009	Maths, Science, English, Hindi, Social Science	(JKBOSE)

EXPERIENCE:

S.N.	Name and address of employer/ Institutions	Period		Details including designation and responsibility
		From	To	
1.	UGVS-REAP	30 th Nov 2022	Till Date	Associate Climate Resilient Practices Responsibility: - <ul style="list-style-type: none"> • Provide technical support on sustainable agriculture (livestock) through effective climate smart, climate resilient and conservation agriculture. • Assist in conducting training for farmers and small agribusinesses on climate smart agricultural / livestock practices. • Identify approaches to integrate climate-friendly practices and gender concerns in agriculture and supply chain networks. • Build and maintain high levels of knowledge on local issues pertaining to climate change adaptation.

				<ul style="list-style-type: none"> • Conduct climate change vulnerability and risk assessments and identify adaptation measures for selected activities. • Contribute ideas for new adaptation initiatives. • Organize and facilitate events including stakeholder meetings, climate change adaptation awareness building.
2.	State Environment Conservation and Climate Change Directorate, Uttarakhand	7 th Aug 2020	30 th June 2022	<p>Senior Research Fellow</p> <p>Responsibility: -</p> <ul style="list-style-type: none"> • Fine-tuning of Vulnerability & Risk Assessment, • Upgradation of State Action Plan on Climate Change, • Climate Modelling, • Draft of Comprehensive Action Plan for phasing out Single Use Plastic is prepared, • Single Use Plastic Draft Subsidy Policy prepared and others department activities
3.	State Climate Change Centre, Uttarakhand	19 th June 2019	06 th August 2020	<p>Senior Research Fellow</p> <p>Responsibility: -</p> <ul style="list-style-type: none"> • Fine-tuning of Vulnerability & Risk Assessment, • Upgradation of State Action Plan on Climate Change, • Climate Modelling, • Climate Modelling (using CORDEX, CMIP5, APHRODITE, CRU, IMD dataset), and other centre activities. and others centre Activities
4.	State Climate Change Centre, Uttarakhand	19 th June 2017	18 th June 2019	<p>Junior Research Fellow</p> <p>Responsibility: -</p> <ul style="list-style-type: none"> • Literature survey of Climate change studies, field survey, capacity building programme, • Vulnerability & Risk Assessment of Uttarakhand state, • Climate Modelling (using CORDEX, CMIP5,

				<p>APHRODITE, CRU, IMD dataset),</p> <ul style="list-style-type: none"> • Climate knowledge portal, Climate Policies/ Climate • Action Plans for Different Sectors (Agriculture, Water, Health, Forest, Disaster Risk, Energy, Road, Transport, Animal Husbandry & Livestock). etc.
5.	Indian Institute of Remote Sensing (IIRS), ISRO-Dehradun	11 th January 2016	31 st July 2016	Analysis of different techniques of object-oriented classification using high resolution WorldView-2 image

TRAINING:

S. N.	Organization	Topic/ Purpose	Duration	
			From	To
1.	Indian Institute of Forest Management (IIFM)	Economic Valuation & Natural Resource Accounting	30 th October 2017	3 rd November 2017
2.	Indian Grassland and Fodder Research Institute (IGFRI)	Water Conservation Practices Through Adaptation of Appropriate Management and Technological Interventions: A Practitioners Approach	18 th December 2017	22 nd December 2017
3.	State Climate Change Centre, Uttarakhand	Climate Modelling Data Analysis: Historical Trends & Projection	30 th January 2018	2 nd February 2018
4.	State Climate Change Centre, Uttarakhand	Climate Modelling Data Analysis: - Historical Trends & Projection Level 2	5 th March 2019	8 th March 2019
5.	Forest Research Institute (FRI)	Google Earth Engine	24 th February 2018	

DETAILS OF PUBLICATIONS, RESEARCH WORK: -

Symposium and Paper Publication

- Co-author in publication of research paper on “*Multi-modal climate change projection for Uttarakhand state using Coupled Model Inter-comparison Project 5 (CMIP5) Data*” VI International Earthquake Symposium Kocaeli-2019, 25th-27th September 2019, Kocaeli, Turkey, ISBN No. 978-605-69403-1-6, pg. 154-163.
- Co-author in publication of research paper on “**Evaluation of Observed and Future Climate Change Projection for Uttarakhand, India, Using CORDEX-SA**” has been published in Atmosphere as part of the Special Issue New Approaches to Complex Climate Systems- 2022, 10th June 2022.

Poster Presentation

- “Climate Change projection for the Uttarakhand, India using CORDEX South Asia model.” International Conference on Regional Climate (ICRC)-CORDEX 2019, 14th -18th October 2019, Beijing, China. Poster ID: D3 – P-12

Prepared Policy and Comprehensive Action Plan of SUPs

- Prepared Draft Subsidy Policy of Single Use Plastic Alternatives.
- Prepared Draft Comprehensive Action Plan for Phasing out Single Use Plastic in the State of Uttarakhand.

Research Specialization

- Climate Change Analysis for Historical and Projection.
- Impact and Risk Assessment.
- Remote Sensing and Geographic Information Assessment.
- Vulnerability Analysis.
- Climate Modelling, Vulnerability & Risk Assessment, Disaster Management, landslide Early warning system, Artificial Intelligence, and explore to new research areas related to Computing.

ROLE

- Fine tuning of VRA.
- Upgradation of SAPCC – 2.
- Programming Experience on CDO Platform.
- Extensive Participation on Committees and Extracurricular activities.
- Support functions to other Department of the organization to excite the module within project.

AREA OF INTEREST

- Climate Modelling
- Disaster Management
- GIS Analyst
- Photogrammetry
- Land Use and Land Cover
- Environmental Impact and Risk Assessment
- Urban Planning and change detection

ACADEMIC PROJECTS

- **M.Sc. Thesis:** *(Jan2016-July2016)*
 - **Project Title:** “Analysis of different techniques of Object-Oriented classification using High Resolution World View-2 Image”
 - **Supervisor:** Dr. Hina Pandey, **Scientist/Engineer- ‘SE’, IIRS ISRO, Dehradun**
- **M.Sc. Semester Project:**
 - Title: Generated map for Chauras campus Srinagar through GPS survey.
 - Supervisor: Dr. G P Raturi, Asst. Prof. Dept. of Remote Sensing & GIS, HNBGU, Srinagar.
- **B.Sc. Project:**
 - Measuring of field with chain method.
 - **Supervisor:** Prof. Gurdyal, **Head of dept. Of Geography, GOVT. Degree Collage kathua, Jammu Univers ity.**

TECHNICAL SKILLS:

- **Software:** ERDAS Imagine 2014, ArcGIS 10, e-Cognition Developer 9.1, Leica Zeno office 10, GPS Survey, Techniques of Forest Inventory, Climate Modelling (CDO command), GrADs, Google Earth.
- **Platforms:** Windows (7/8,10), Ubuntu (Linux)
- **Miscellaneous:** Microsoft Office
- **Basic Knowledge of Linux operation system**

I hereby declare that the entries in this form are true to my knowledge and belief. If any time I am found to have concealed any material information or given any false details, my appointment shall be liable to be summarily terminated without notice or compensation.

Dated: 16/12/2022

(Vipan Mandwal)