

Curriculum Vitae



Prabha Kumari

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Career Objective:

To make a successful career in Remote Sensing field and want to attain a challenging position in the field displaying highest levels of learning contribution, coach ability, innovation and ethics with a dual objective of meeting company and personal goals.

Job Profile:

- Satellite data downloading, Pre-Processing and Post-Processing for its further satellite image interpretation using digital Processing Softwares.
- Crop identification and Classification using ERDAS Imagine software.
- Use of SQL queries in GIS & Image Processing software for analysis.
- Digitization of maps to convert these into GIS datasets.
- Creating and analyzing spatial and digital database using remote sensing and GIS techniques. Integration of various data layers to generate derived maps.
- Designing and generating spatial variability map using Geostatistical Analyst tools such as kriging.
- Analysis of geospatial data using tools in Arc GIS such as buffering, union, intersect clip, spatial join, split, merge etc. to extract meaningful information.
- Inspecting and correcting errors, compiling and reviewing accuracy and integrity of vector data compositions.
- Composition and generation of layouts/maps as output with relevant tabular data using GIS. Documentation of data inputs and methods used for assigned projects, writing reports.
- Planning & execution of field surveys as required in the project such as obtaining different samples of water , Zaid crop, Kharif crop, Rabi crop, Horticultural Plantation and ground truth points. Collecting & converting Global Positioning System (GPS) based locations into vector formats.
- Other related activities such as PDF generation of the maps.
- Participates in organizing events such as workshops and seminars on National Remote Sensing Day and International GIS Day and spreading awareness amongst people about these technologies.

Scholastics:

Degree/ Certificate	Institute	Subject	Board / University	Year of Passing	%Marks	Division
M.Tech	Birla Institute of Technology, Mesra.	Remote Sensing	Birla Institute of Technology, Mesra (Ranchi)	2016	76.1%	1st Div
P.G Diploma	School of oceanographic Studies (Jadavpur University)	Remote Sensing and GIS	Jadavpur University	2014	76%	1st Div
M.A	P.G Deptt Magadh University Bodh Gaya	Geography	Magadh University Bodh Gaya (Bihar)	2012	66.56%	1st Div
B.A	Gaya College Gaya	Geography (Hons)	Magadh University Bodh Gaya (Bihar)	2010	65.63%	1st div
XIIth	K.V.NO .4 Pathankot (Punjab)	Hindi, English, History, Geography, Economics	C.B.S.E	2007	59.2%	2nd Div
Xth	K.V.NO .2 Paharpur Gaya (Bihar)	Hindi, English, Mathaematics, Science, Social Science	C.B.S.E	2004	43.4%	3rd div

Work Experience

- **Total experience:** about 4 years 8 months.

Post	To	From	Organization	Division
RF	27 Jan 2021	Till Date	Punjab Remote Sensing Centre,Ludhiana (Punjab)	Agro Ecosystem and Crop Modeling Division (ACM)
JRF	4 Nov 2016	15 Jan 2021	Punjab Remote Sensing Centre,Ludhiana (Punjab)	Agro Ecosystem and Crop Modeling Division (ACM)

Academic Projects :

- 1 Month **Internship** from Indian Institute of Remote sensing (IIRS), Dehradun on the Topic “Conceptual Review of Vegetation Indices”(15th June to 15th July 2015).
- 6 Months Project of P.G Diploma in Remote Sensing and GIS on Urban Sprawl Analysis of Gaya City Between 1989 to 2014 Using Remote Sensing and GIS Techniques”.(Jan 2014 to May 2014).
- 1 Year M.Tech Thesis on “Smart Cities: A Comparative Study Between Gaya and Ranchi Using Remote Sensing and GIS.”

Training/Workshop/Attended:

- One day workshop on “Open source Remote Sensing & GIS Remote Sensing and Environment organized by the school of Oceanographic University on 19th March, 2014.
- RIO+21 IYWC India Certification Program.
- 16th IIRS Outreach Program on “Geospatial Technologies for urban Planning”(11 Feb to 15th March, 2014).
- Participated in the National Seminar on Remote Sensing and Environment organized by the school of Oceanographic Studies, Jadavpur University in collaboration with the Council of Science & Technology, 20th to 22th March 2014.
- IIRS Outreach Program on “Application of Remote Sensing & GIS for Natural Resources Indian Institute of Remote Sensing (IIRS), 27th Jan, to 27th March, 2015.
- 20th IIRS Outreach Program on “Microwave Radar Remote Sensing and its Applications” from 10 April to 28 April 2017.
- 21th IIRS Outreach Program on “Remote Sensing and GIS Application in Water Resources Management from 22 May to 9 June, 2017.
- Presented Poster entitled Mapping Horticultural Crops in Fazlika District, in the National Conference on Role of Geospatial Technologies to Bridge the Rural and Urban Divide from 21 to 23rd February, 2018
- 29th IIRS Outreach Program on “Hyperspectral Remote Sensing and its Applications “from 19 Feb 2018- 14 March 2018.
- 30th IIRS Outreach Program on “Geoinformatics for forest fire Management “ from 2 April to 6 April 2018.
- 32th IIRS Outreach Program on “Geospatial Modelling for Watershed Management” from 1 May to 5 May 2018.
- 33th IIRS Outreach Program on “Advanced Image Analysis” from 4 June 2018 to 15 June 2018.
- 35th IIRS Outreach Program on “Advanced Geospatial Modelling tools and techniques” from 6 Aug to 9 Aug 2018.

- 40th IIRS Outreach Program on “Remote sensing in Crop management/Agro-Meteorology” from 3rd to 7th Dec 2018.
- 42nd IIRS Outreach Programme on Principles of Polarimetric SAR Remote Sensing and its Processing" from 18 February 2019 - 01 March 2019.
- 43th IIRS Outreach Program on “Advances in Forest Remote Sensing” from 4 March to 16 March 2019.
- IIRS Outreach Program on “Geospatial technology for Disaster Risk Reduction-one day online workshop"on 1st March 2019.
- 1006 IIRS Outreach Program on “Microwave Remote Sensing in Agriculture-One Day Workshop” on 27 to 29 March 2019.
 - 1007 IIRS Outreach Program on“Satellite data access from online data repositories and ISRO Bhuvan geoportal” on 26 June 2019.
 - 55 Web GIS- Geo-visualization and online mapping 25 Nov to 29 Nov 2019.
 - 1008th IIRS Outreach Program on “अन्तरिक्ष एवं भूस्थानिक तकनीक: एक परिचय"From 10 Jan 2020.
 - Participated & Poster Prestation in the National Symposium on Remote Sensing for Environment Monitoring & Climate Change Assessment: Opportunities and Challenges on the Topic of “Mapping Horticultural Plantation in Tarn Taran District of Punjab using Remote Sensing and GIS Technique”.December 18-19,2020.
 - Oral Prestation in the National Symposium on Remote Sensing for Environment Monitoring & Climate Change Assessment: Opportunities and Challenges on the Topic of “Relationship of Crop Residue Fire Incidents with Burnt Area and Air Quality”.December 18-19,2020.

List of Project (Starting from Current)

1. Monitoring Residue burning through satellite Remote sensing and sms alert System (Paddy & Wheat)

Funding agency – Punjab Pollution Control Board (PPCB)

Work Place - Punjab Remote Sensing Centre (Ludhiana)

Duration – Paddy (Mid Sep To 31 November)
Wheat (Mid April to 31 May) every years.

Responsibility – Daily data downloading, data analysis, uploading on server, creating daily report, sending E-mails and SMS alerts. Data formatting , analysis, uploading and maintenance on server for ATR application.

2. CHAMAN Phase 1 and II (Coordinated Programme on Horticulture Assessment and Management using Geoinformatics).

Funding agency – MNCFC (Mahalanobis National Crop Forecast Centre)

Work Place - Punjab Remote Sensing Centre (Ludhiana)

Duration – (2016 to 2018 to 2018 - 2020)

Responsibility – District wise mapping of Horticultural Plantation/crops of Punjab District. Accuracy assessment, Field visit, site suitability analysis and report writing.

3 Satellite Remote Sensing Based District-wise Crop Acreage and Crop Condition Monitoring in Punjab

Funding agency – Govt of Punjab

Work Place - Punjab Remote Sensing Centre (Ludhiana)

Duration – Renew every year

Responsibility – Mapping of different crops grow in the kharif, rabi, zaid and summer seasons acreage estimation under each crop (maize, cotton, sugarcane, winter vegetables).

4. Evaluation of Soil and Water related Constraints to crop productivity (SWRC).

Funding agency – Govt of Punjab

Work Place - Punjab Remote Sensing Centre (Ludhiana)

Responsibility – Collecting water and soil sample from the field and mapping of soil Variability of Punjab blocks.

5. Satellite Monitoring of Air Pollution Industries and Brick kilns of Punjab

Funding agency – Govt of Punjab

Work Place - Punjab Remote Sensing Centre (Ludhiana)

Responsibility – Mapping of brick kiln and industrial area of Punjab District.

Membership:

- Life Member of Indian Society of Geomatics ISG-L-2208.

Language Known:

- English
- Hindi

Technical Skills:

Languages: Basic C

Software: Arc GIS 10.4, Erdas Imagine 2014, ENVI, SAS Planet and Google Earth Pro, QGIS

Desktop, Microsoft word, Microsoft Power point, Microsoft Excel,

Personal Dossier:

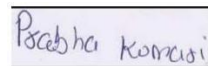
Name : PRABHA KUMARI
Date of birth : 27-Nov-1987
Father's Name : Ram Pravesh Singh
Marital Status : Single
Permanent Address : Vir Kumar Singh Colony, Road No. 14, Near A.T. Gate,
P.S-Magadh Medical College,
P.O-Civil Aerodram,
Pin-823004, Gaya (Bihar)

Declaration

I do hereby solemnly affirm that all the above information furnished by me is true to the best of my knowledge and conviction.

Date: 29th June, 2021

Place: Ludhiana



PRABHA KUMARI