

Dr. Shweta Rai

# G-1,529, Sai Enclave, Nitikhand, Indirapurum, Ghaziabad

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[**shwetagis009@gmail.com**](mailto:shwetagis009@gmail.com)

* Over **5.7 years** of experience in Remote Sensing and GIS.
* Currently Working as GIS Consultant in CodeRize PVT LTD.

## EDUCATION:

* Ph.D.in Remote Sensing and GIS (2012-13)

**Mahatma Gandhi Gramodaya Vishvidalaya (M.G.C.G.V),Satna, Madhya Pradesh**

**Thesis (Awarded):** Studies on Dynamic Groundwater Resources of Rampur Baghelan Block Satna M.P”.

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| **S.**  **No.** | **Research Topic** | **Degree of Responsibility Held by Staff Member** | **Registration** | **Awarded** |
| **1** | **Studies on Dynamic Groundwater Resources of Rampur Baghelan Block Satna M.P”.** | - To assess quantitative dynamic groundwater balance of the study area.  · To prepare thematic maps of the area such as Geology, Geomorphology, Lineament density, land use / land cover, Soil, Drainage density and Slope, which is the main controlling factor of groundwater recharge.  · Identify and delineate groundwater potential zones through integration of various thematic maps with weightage overlay analysis in GIS techniques.  · To suggest suitable sites for artificial recharge to augment groundwater in the study area. | **2012-13** | **September**  **2019** |

* M.Sc. Remote Sensing and GIS (2011)

## The Global Open University of Nagaland

**Thesis:** Use of LiDAR Data in Urban Planning Carried at Luminous PVT LTD, Noida (July, 2010-December 2010)

* Higher Secondary School (Class 12)

**Chitrakoot Inter College, Karwi**

**Percentage:** 58.2%

* Senior secondary school (class10):

## Chitrakoot Inter College, Karwi Percentage:58.6%

**PROJECT WORK:**

**Company : Luminous Engineering and Technology Services Pvt. Ltd., Noida, India**

**Duration : Six month**

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| **S.**  **No.** | **Relevant Previous Assignment** | **Degree of Responsibility Held by Staff Member** | **Dates** | **Locations** |
| **1** | **Ortho-rectification and DTM Creation (Tanzania country)** | * Classification of features in Various classes * DTM Creation * DSM Creation * Project delivery and team handling. | **December 2010** | **Noida, India** |
| **2** | **Landuse/Landcover data of the Brazil country.** | * Classification of features in Various classes * QC of and finalization * Project Delivery | **October 2010-**  **Novmber** | **Noida, India** |
| **3** | **IGI\_3D\_Building And 3D Texture (Surrey city) Canada.** | * Building digitization * Height assign by Lidar data on digitigation Building. * Project Delivery | **July2010- October** | **Noida, India** |
| **4** | **Landuse/Landcover data of the Norway country (Client RMSI).** | * Classfication of features in Various classes * QC of and finalization * Project Delivery | **July2010- August** | **Noida, India** |
| **5** | **Landuse/Landcover data of the entire Tanzania, Austria, & Parts of Pakistan (Client RMSI)** | - Classfication of features in Various classes | **May2010-**  **July 2010** | **Noida,India** |

**Company: Lepton Maps and Software PVT LTD. Gurgoan**

**Duration: One Year Six Month**

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| **S.**  **No.** | **Relevant Previous Assignment** | **Degree of Responsibility Held by Staff Member** | **Dates** | **Locations** |
| **1** | **Major Project of USA, Dallas** | * -Classification of features in Various classes * Creation of Habitation and Water Layer of the area with the help of ERDAS Imagine Software * QC of and finalization * Project Delivery | **February 2011** | **Gurgoan, India** |
| **2** | **All India States (25m),South Korea (Daegu, Busan)** | - Digitization and creation of vector layer on MapInfo Software. | **March 2011-May**  **2011** | **Gurgoan, India** |
| **3** | **Ten Cities of India, French Polynesia (10m), Kyrgyzstan, Bishkek, Kazakhstan** | * Creation of Landcover thematic layer of all these area in different scales on ERDAS Imagine Software. * Classification of features in Various classes | **June 2011- August 2012** | **Gurgoan, India** |

**Company: M.P. Council of Science and Technology Bhopal M.P.**

**Duration: Three Year Six Month**

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| **S.**  **No.** | **Relevant Previous Assignment** | **Degree of Responsibility Held by Staff Member** | **Dates** | **Locations** |
| **1** | **Bhopal Capital Regional Plan 10K Project** | **-** Khasra level land use/land cover in Bhopal Capital Region Regional Plan 10k project excellently using LISS-IV & World View Satellite data on Arc GIS platforms. | **November 2014-May**  **2018** | **Bhopal, India** |

**Company: CodeRize PVT LTD**

**Duration: Currently Working**

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| **S.**  **No.** | **Relevant Previous Assignment** | **Degree of Responsibility Held by Staff Member** | **Dates** | **Locations** |
| **1** | **Forest Area Mapping of Maharashtra Area** | -Khasra wise land use/land cover mapping of Forest in Maharashtra area project excellently using Satellite data on QGIS platforms. | **November 2019** | **Pune, India** |

## PUBLICATIONS AND CONFERENCES:

* Shweta Rai, Shyam Avtar Agarwal and Shashikant Tripathi, **Morphometric analysis of Nar river basin, Rampur Baghelan block, Satna district (M.P.) Using remote sensing and GIS technique , International Journal of Remote Sensing and Geoscience (IJRSG),** ISSN NO. 2319-3484, Volume 5, Issue3, May 2016.
* Shweta Rai, Shyam Avtar Agarwal and Shashikant Tripathi**,Assessment of groundwater quality in Rampur Baghelan Block Satna District,Madhya Pradesh,India, International Journal of Advance Technology and Engineering Research (IJATER),** ISSN No: 2250-3536 Volume 7, Issue 3, May 2017.

## CERTIFICATE COURCES:

* Certificate course on Fundamentals of Remote Sensing and Fundamentals of Geographical Information System and Global Navigation System from **IIRS (Indian Institute of Remote Sensing) Dehradun.**
* Training Course on “Participatory Groundwater Management” Conducted from 5 March to 17 March 2018 jointly by MGCGV, Chitrakoot and **People’s Science Institute, Dehradun.**
* International workshop on Covid-19 Mass Disaster & Possible Management: Challenges for Immediate future jointly by **IIIS Central University Pondicherry Conducted from 5 to 6 May 2020.**
* First International Congress on Need for Women’s Leadership in Fighting Against COVID-19 (Strategy and Response) jointly **by England and VKS Care Foundation, New Delhi Conducted from 28 to 29 May.**
* One day International webinar talk on climate change and earth’s landscape conducted by **kazi Najzrul University, West Bengal on 24 June 2020.**
* One day webinar talk on Hands on training on Q-GIS conducted by **Arasu Engineering college,Chennai on 27 July 2020.**
* National webinar on Ethies,value and Indian culture in present scenario organized by **Indira Gandhi National Open University ,Lucknow on 20 July 2020.**
* **Training Workshop on “Climate Change and Disaster Risk Reduction” Jointly Organized By National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of INDIA, New Delhi and OP Jindal University, Raigarh, Chhattisgarh on 18 August to 20 August.**
* **Quiz on National Remote Sensing Day organised by Dept. of Geo-Informatics of Sangam University, Bhilwara, Raj. on 12th August 2020.**
* One day Virtual Symposium **on Eath Resources Management in Current Scenario on 5 September 2020.**
* PGDCA Course from **MGCGV University,Satna M.P. in 2012-13.**

**Software Skills:**

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| * Arc GIS * QGIS * Auto CAD * ERDAS IMAGINE | * Mapinfo * Global Mapper * ILWIS * M.S. OFFICE * M.S. WORD * GOOGLE EARTH ENGINE * Micro station V8 |

**LANGUAGES:**

* Hindi (Mother Tongue)
* English (Proficient)

## REFERENCES:

* **Dr.Shashikant tripathi**

**Email:**tripathi.shashikant@gmail.com **Designation:** Professor

**Department:** Department of Earth Science

## Mahatma Gandhi Gramodaya Vishwavidyalaya, Chitrakoot, M.P.

* **Dr.Anil Gautum**

**Email:**gautum.anil@gmail.com

**Designation:** Head of the Department

**Department:** Head of Environmental Quality and Monitoring group

Department in People Science Institute,Deharadun

* **Mr.Ravindra Nath Tiwari**

**Email:** [tiwarigis@gmail.com](mailto:tiwarigis@gmail.com)

**Designation:**  Head of the Department

**Department:** Department of Remote Sensing and GIS,

## Netra Institute of Geoinformatics

## Management and Technologies