

Curriculum –Vitae

DR. LOKESH TRIPATHI

Associate Professor & Head

REMOTE SENSING & GIS

(GeoInformatics)



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Objectives

To touch the pinnacle of service industry through my dedication and hard work where individual caliber and honesty is acknowledged and conducive work environment is provided.

Experience/Present Status

- Presently working as an **Associate Professor & Head**, Dept. of **Geo-informatics** at Sangam University Bhilwara From **August 2013 to present**.
- Have worked as an **assistant Professor**, Department of **Geo-informatics** at Shridhar University, pilani from **June 2010 to August 2013**.
- Have worked as an additional responsibility of **chief of examination**, Deputy Controller of Examination, Members of different committees.
- Have worked as a **Project Scientist** in **Birla Institute of Technology, Mesra (Ranchi)**, Extension centre, Jaipur from **July 2008 to March 2010**.

Role : NUIS (National Urban information system) Project

Project Given by : NRSC, Hyderabad

worked as a DGPS Operator for Fiber Survey of Reliance Communication

Client : Reliance Communication

Given By : B.M.B.S.T.C. Jaipur

Team Size : Four

Role : Team Leader

Duration : Two Months

Area : Uttar Pradesh

Projects:-

1. Identification of Palaeo Channels in Western fringe of Rajasthan

Client : Ministry of water resource, New Delhi

Given By : B.M.B.S.T.C. Jaipur

Team Size : Four

Role : Remote sensing & GIS Analyst

Duration : six months

Area : 7 districts of Rajasthan

2. NWIA (National Wetland inventory assessment) project for Maharashtra.

Client : NRSC, Hyderabad

Given By : MRSAC (Maharashtra Remote Sensing Application Centre), Nagpur.

Team Size : Four

Role : Remote sensing & GIS Analyst

Duration : six months
Area : 7 districts of Maharashtra

3. Land Degradation Mapping of Maharashtra

Client : NRSC, Hyderabad
Given By : MRSAC (Maharashtra Remote Sensing Application Centre), Nagpur.
Team Size : Four
Role : Remote sensing & GIS Analyst
Duration : six months
Area : 3 districts of Maharashtra

Seminar/Conference Attended

- Attended two days National Conference **“Save water save Earth”** conducted by Rotary club, Jaipur.
- Attended two days National Seminar **“IT and GIS Strategy for INFRASTRUCTURE”** conducted by Spatial India and B.M.Birla Science & Technology Centre, Jaipur.
- Attended Three days **“35th National Geographer Conference”** conducted by M.L.V. Govt. College, Bhilwara (Raj.)
- Attended Geospatial International Conference at Hyderabad **2014/2017**.
- Attended Seminar at MDSU, Ajmer for basics of Remote Sensing and GIS.
- Presented a paper at National Conference on **“ Emerging trends of GIS in Smart Cities”**

- Presented a paper at International Conference on **“Geospatial Technology in Ground water mapping and Artificial Recharge-A case study of Bhilwara District”**
- Delivered a special lecture at National Seminar on **“ Possibilities of Multidisciplinary Research in Linguistic Literature”**
- Participated in two days national seminar on **“ Challenges before HEIs in Remote Areas for Achieving Quality Improvement through Assessment process”**
- Presented a paper in an International Conference on **“ Analytical & Interdisciplinary Research”**
- Presented a paper in National Seminar on **“ Future of Science Technology and Innovations”**
- Presented a paper in an International Conference on **“Coping Change Through Innovation and Value Creation for Society”**
- Presented a paper in an International Conference on **“ Environmental & Climatic Consequences: Challenges & Mitigation Strategies”**
- Presented a paper in an International Conference on **“ Analytical & Interdisciplinary Research”**
- Participated in a National Workshop organized by **ISRO & ISRS**
- Presented a Paper on the Topic of **“Basics of Remote Sensing and GIS”** in **“35th National Geographer Conference”** conducted by M.L.V. Govt. College, Bhilwara.

FDP / MDP-

1. Two days faculty development program on “ **Outcome Based Education & Its Implementations**”
2. One week faculty development program organized by IQAC , Sangam University, Bhilwara
3. Two days faculty development program on “ **How to Develop Project Proposal**”
4. **Three days** faculty development program on “ **Teaching Skills and Research Methodology**”

Research/Publications

1. Titled “**LU/LC Mapping and Land use Planning of Bhilwara District Rajasthan Using Geospatial Technology**” in an international conference **ICAIR-2021**
2. Titled “**Monitoring the Impact of Industrialization on Environment Using Geospatial Technology: A case study of Bhilwara District (Rajasthan)**”in UGC Journal JETIR
3. Titled “**Changes in Land Surface Temperature due to Industrialization & Urbanization using geo-spatial technologies -A case study of Bhilwara city, Rajasthan**” in UGC Journal JETIR
4. Titled “**Analysis of Urban Sprawl Dynamics and Migration Using Geospatial Technology in Bhilwara City, Rajasthan, India**” in International Journal of advanced Science & Technology(Scopus)
5. Titled “**Demographic structures of Rajasthan special reference to Banswara & Udaipur**” in Mukta Shabd Journal UGC care group-I.

- 6. Titled “3-D city modeling and Urban Planning” in Mukd Shabd Journal UGC care group-I.**
- 7. Titled “Deviations in Master plan of Nokha town: Geospatial Science and Technology based analysis” in ANNALS Journal UGC care group.**
- 8. Titled “Tourism Development in Hathi Bhata” in Vidyawarta peer reviewed International Journal.**
- 9. Titled “Pride of Tourism for Bhilwara-Gaurav Udhyan” in Aksharwarta peer reviewed Journal UGC.**
- 10. Titled “Development of medical Tourism in Bhilwara-Madhav Gau-Seva Sansthan” in Gina Shodh Sansthan peer reviewed Journal UGC.**
- 11. Titled “ Assessment of Tourists Behaviour in Alibag, Raigad District Maharashtra State” in Annals of the Bhandakar Oriental Research Institute Journal UGC care I**
- 12. Titled “Tourism Assessment of Matheran in Raigarh District, Maharashtra State” in The Deccan Geographer UGC care listed Journal.**
- 13. Titled “Bijoliya Vindhyan Supergroup Sandstone Region of Rajasthan, India: Conservation of Geoheritage and Geotourism” published in Springer Nature.**
- 14. Titled “Peri-Urban Land Acquisition and It’s Impact on Agriculture: A Geospatial Analysis of Sri Ganganagar City” published in UGC care Journal.**

15. Titled “Geographical study of Tourism Potential in Raigarh District, Maharashtra state by using Remote Sensing and GIS techniques” in University News , A UGC care Journal.

Patent-

- 1. Title- IOT based Approach for Analyzing the Social Media Data Using Geo-Aware model along with tracking of Geographical Locations
Application No. 202311022426**
- 2. Title- An Empirical Analysis of Listed Companies for Financial Decision Making and Firm Value
Application No. – 202311051454**
- 3. Design- Geospatial Data Visualization and Mapping System Device
Design Application No. – 6383694**

Awards-

- Received “National Geospatial Emerging Faculty Fellow Award” By IIT Bombay under the aegis of the National Mission on Education through ICT (NMEICT), Ministry of Education, Government of India.(Sept. 2024)**
- Received “Young Achiever Award” by INSc (Institute of Scholars) 2024**
- Awarded Best Performer in Academic in the year 2019 at Sangam University, Bhilwara**
- Awarded by model of ‘Mangalyaan’ at RRSC-ISRO Jodhpur.**
- Received certificate of appreciation in recognition of valuable contribution as “Organizing Secretary” in a National Conference.**

- Received certificate of appreciation in recognition of valuable contribution as “Co-Convenor” in an International Conference.

Technical Knowledge

Software : GIS Software

- ArcGIS
- ERDAS (Digital image processing)
- AutoCAD Map
- QGIS
- Geomatica

Educational Qualifications

Qualification	Subject	Year of Passing	Board/University/Institute	Percentage
Ph.D.	Geo-Informatics	2022	Sangam University, Bhilwara	
M.Phil	Geography (Remote Sensing & GIS)	2009	Vinayaka Mission University, Selem (Tamilnadu)	61.5%
M.Sc.	Geoinformatics	2008	B.I.T. Mesra (Ranchi)	81 % (dist.)
M.A.	Geography	2005	M.D.S.U. Ajmer (Raj.)	65.5%
B.A.(Hon's)	Geography	2003	M.D.S.U. Ajmer (Raj.)	61.16%
XII		2000	R.B.S.E. Ajmer (Raj)	60.31%
X		1998	R.B.S.E. Ajmer (Raj)	66.36%

Training Programme

- Attended two days Training Programme on **“REMOTE SENSING AND DIGITAL IMAGE PROCESSING”** at Regional Remote Sensing Service centre (**RRSSC**), Jodhpur.
- Attended 2 days training on advances in RS & GIS at GES, Jaipur.
- Attended 3 days training program on cadastral mapping at Geoverities , Bokaro
- Attended 2 days training at RRSC,(W) ISRO Jodhpur
- Attended 5 days training at RRSC-(W)ISRO, Jodhpur
- Attended workshop on” **Popularization of Remote Sensing based Maps & Geospatial Information”**
- **Attended 2 days training on geospatial technology in smart cities at MDSU Ajmer.**
- Completed training on **“ Remote Sensing, GIS & GPS Technology”** organized By **IIRS-ISRO**
- Completed training on **“ Overview of Geoprocessing using Python”** organized By **IIRS-ISRO**
- Completed training on **“ Geo-Informatics for Biodiversity Conservation Planning”** organized By **IIRS-ISRO**
- **Participated in a short term course by NITTTR on “ Free Software and Resources for Technical Education through ICT”**
- Completed training on **“ RS & GIS Applications in Water Resources”** organized By **IIRS-ISRO**

- **Completed a short term course by NITTTR, Kolkata on “ Problem Based Learning”**

Extra Achievement

- One Research work as a dissertation on the topic of “**Decreasing of underground water level in middle Banas Basin**” in bhilwara district.
- Dissertation on the topic of “**Palaeo Drainage mapping of Pali District**” in M.Sc. **Geo-informatics**.
- Delivered an expert lecture at **Mahila PG MAhavidhyalaya , Jodhpur** on “**Introduction of Geo-Informatics & its Applications**” in 2017.
- Delivered an expert lecture as **Resource Person** at **J.M. Patel College, Bhandara(Maharasthra)** on “**Fundamentals of Remote Sensing**” in 2018.
- Delivered Expert Lectures in “**Entrepreneurship Awareness Camp**” at Sangam University, Bhilwara in 2018.
- **Institute Coordinator** for “**online IIRS-ISRO outreach program**” at Sangam University, Bhilwara.
- Have been awarded on the occasion of “**National Remote Sensing Day**” at Sangam University, Bhilwara
- Have been awarded by model of **Mangalyaan** at **RRSC-ISRO Jodhpur**.
- Delivered an expert lecture as **Resource Person** at **Mahila PG MAhavidhyalaya , Jodhpur** on “**Fundamentals of Aerial Photography & GPS**” .
- Have guided as Internal/External expert for M.Sc. /M.Tech program.

References-

1. Dr. Vinod Bothale (Rtd. Joint Director, NRSC)
2. Dr. Rakesh Paliwal (Scientist-SF RRSC-W, NRSC, ISRO)
3. Dr. Rajesh Kumar (Dean, Environment Science(Central University of Rajasthan)
4. Dr. M.P. Punia (Head, Remote Sensing Division, BIT Jaipur)
5. Dr. Ajay Vikram Chandola (Professor of Geography, Kota University)
6. Prof. Dr. Karunesh saxena (Vice-Chancellor , Sangam University Bhilwara)

Personal Profile

Father's Name : Mr. Bhawani Shankar Tripathi

Date of Birth : 25th July 1981

Gender : Male

Contact No. : 9929218615

Nationality : Indian

Marital Status : Married

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(LOKESH TRIPATHI)