

Detailed CV

1. EDUCATIONAL QUALIFICATIONS				
Degree	Area of specialization	Percentage of marks/division	Month/Year of passing	University/Institute
B.Tech.	Civil Engg.	77.78%, 1 st Div. with Distinction	June 1988	H. B. T. I. Kanpur (Kanpur University)
M.Tech.	Civil Engg., specialized in Surveying & Remote Sensing	CPI–8.29 out of 10	July 1990	Indian Institute of Technology Kanpur
Ph.D.	Civil Engg., specialized in GEOINFORMATICS (Surveying: Remote Sensing, GIS & GPS)	CPI–9.5 out of 10	January 2004	Indian Institute of Technology Kanpur

M.Tech. Thesis Topic- Bathymetric Mapping of Coastal Andhra Pradesh using Remotely Sensed Imagery

Ph.D. Thesis Topic- Geometric Correction of IRS-1C/D satellite Imagery #

**This thesis research work was funded by ISRO-IITK Space Technology Cell*

2. TEACHING EXPERIENCE

S. No.	Designation	Duration	Organization
1	Professor	23 rd January 2011 to till date	Maulana Azad National Institute of Technology, Bhopal
2	Associate Professor (6 th Pay commission)	1 st January 2006 to 23 rd January 2011	Maulana Azad National Institute of Technology, Bhopal
3	Assistant Professor (5 th Pay commission)	23 rd January 2004 to 1 st January 2006	Maulana Azad National Institute of Technology, Bhopal
4	Senior Lecturer	6 th August 1999 to 23 rd January 2004	Maulana Azad National Institute of Technology, Bhopal
5	Lecturer	6 th August 1994 to 6 th August 1999	Maulana Azad National Institute of Technology, Bhopal

3. PROFESSIONAL EXPERIENCE:

- After completing PG program, worked as **Senior Project Associate** at **I.I.T. Kanpur** for about one year, during the year 1991 to 1992 on different research and consultancy projects sponsored by **Department of Science and Technology (DST)** and other prestigious organizations.
- Worked with **Rolta India Ltd. Bombay**, as **Product Executive (GIS & Mapping)**, during the year 1992-1994 and job involved was the technical support and training on **GIS and Remote Sensing software** of the Intergraph (presently Hexagon). During this employment worked for the technical support and training to important organization sites at Dehradun like **Digital Mapping Center (DMC)** and **Modern Cartographic Centre (MCC)** Survey of India, **I.I.R.S.**, **N.H.O.** etc.
- With the above professional experience **M.A.N.I.T. Bhopal** on 6th August 1994 as Lecturer and presently working as **Professor** in the Civil Engg. Deptt. and the job involved are

teaching to UG and PG students, the subjects related to Geoinformatics and research and consultancy activities. During present employment completed the **Centre of Excellence in Geoinformatics** project funded by the Ministry of Education and developed the excellent lab facilities in the area of Geoinformatics. Having exposure to the state-of-art techniques in the area of **Surveying and Geodesy, Digital Mapping and Cartography, Remote Sensing, Global Positioning System (GPS) and Geographic Information System (GIS)**. Completed time to time different research and consultancy projects sponsored by reputed organizations such as, **Indian Space Research Organization (ISRO), ministry of defense Govt. of India** etc.

4. AREAS OF INTEREST AND EXPERTISE:

- Geodesy and Global Positioning System (GPS) surveying
- Geometric rectification of remotely sensed images and feature extraction from the high-resolution remote sensing satellite images.
- Computer aided and remote sensing satellite-based mapping and cartography
- Use of Geoinformatics (Remote Sensing, GPS/GNSS and GIS) techniques for various applications

12. RESEARCH AND LAB DEVELOPMENT PROJECTS COMPLETED ONGOING

S. No.	Project Title	Funding Agency	Amount (Rs.)	Investigators	Duration
1	Establishment of Regional Centre for Geodesy	Department of Science & Technology	140.9072 Lakhs	Dr. S. K. Katiyar	3 Years From April 2022
2	Establishment of Centre of Excellence in Geoinformatics (Remote Sensing, GIS & GPS)- Phase-2	MHRD New Delhi, under TEQIP-3 scheme	2 Crores	S. K Katiyar	October 2020 to March 2021
3	Performance Evaluation of Automatic Registration and Resampling Techniques for IRS Imagery	Indian Space Research Organization (ISRO) Bangalore	12.82 Lakhs	S. K Katiyar	2015-16
4	Establishment of Centre of Excellence in Geoinformatics (Remote Sensing, GIS & GPS)	MHRD New Delhi, under TEQIP-2 scheme	2 Crores	S. K Katiyar	2013 -16
5	EIA of Coal mines in Chandrapur District	MANIT Bhopal	9.0 Lakhs	S. K Katiyar & Anil Z. Chitade	2011-12
6	Development of DGPS facilities in Survey lab	MANIT Bhopal	4.3 Lakhs	S. K. Katiyar	2010-11
7	Development of GIS facilities in Survey Lab	MHRD New Delhi, under TEQIP scheme	7.0 Lakhs	S. K. Katiyar	2004-2005

8	Geometric Correction of IRS-1C/D satellite Imagery	ISRO-IITK Space Technology Cell, IIT Kanpur	10 Lakhs	S. K. Katiyar, Onkar Dikshit and K. Kumar	3 Years w.e.f. 2000
9	Establishment of Remote Sensing Laboratory	AICTE New Delhi	7.0 Lakhs	L. S. Joshi and S. K. Katiyar	3 Years w.e.f. 1998
10	Development of GPS Aided Mapping Facilities in Survey Lab	MHRD New Delhi	5.0 Lakhs	S. K. Katiyar and M.K. Choudhary	3 Years w.e.f. 1998

5. CONSULTANCY PROJECTS COMPLETED

S. No.	Project Title	Funding Agency	Amount (Rs.)	Investigators	Duration
1	GIS database development for Pachmarhi Cantonment Board Land boundary	Cantonment Board Pachmarhi	49,914	S. K. Katiyar	January 2020
2	GIS database development for MHOW Cantonment Board Land boundary	Cantonment Board MHOW	49,914	S. K. Katiyar	January 2020
3	GIS Based Survey of Cantonment Board Morar Land Using Remote Sensing & DGPS Techniques	Cantonment Board Morar (Ministry of Defence Govt. of India)	26.12352 Lakhs	Dr. S. K. Katiyar (Project Leader)	Completed during the year 2013-2016
4	GIS Based Survey of Cantonment Board Pachmarhi Land Using Remote Sensing & DGPS Techniques	Cantonment Board Pachmarhi (Ministry of Defence Govt. of India)	28.09 Lakhs	Dr. S. K. Katiyar (Project Leader)	Completed during the year 2013-2016
5	GIS Based Survey of Cantonment Board Babina Land Using Remote Sensing & DGPS Techniques	Cantonment Board Babina (Ministry of Defence Govt. of India)	29.25264 Lakhs	Dr. S. K. Katiyar (Project Leader)	Completed during the year 2013-2016
6	GIS Based Survey of Jhansi Cantonment Board Land Using Remote Sensing & DGPS Techniques	Jhansi Cantonment Board (Ministry of Defence Govt. of India)	35.73048 Lakhs	Dr. S. K. Katiyar (Project Leader)	Completed during the year 2013-2016
7	GIS Based Survey of MHOW Cantonment Board Land Using Remote Sensing & DGPS Techniques	MHOW Cantonment Board (Ministry of Defence Govt. of India)	34.50278 Lakhs	Dr. S. K. Katiyar (Project Leader)	Completed during the year 2013-2016
8	GIS Based Survey of Cantonment Board Jabalpur Land Using	Jabalpur Cantonment Board (Ministry of	40.407 Lakhs	Dr. S. K. Katiyar (Project Leader)	Completed during the year

S. No.	Project Title	Funding Agency	Amount (Rs.)	Investigators	Duration
	Remote Sensing & DGPS Techniques	Defence Govt. of India)			2013-2016
9	DGPS & GIS Survey of Shivpuri district Khada mines	M.P. State Mining Corporation	3.53 Lakhs	S. K Katiyar	6 months Completed in the year 2014
10	DGPS Survey for Boundary demarcation of Telecom Factory Jabalpur	BSNL Jabalpur	Rs. 2.8 Lakhs	S. K Katiyar & Anil Chitade	2010
11	Geometric Design of the Proposed Bituminous Road Retaining Walls & Drain on Southern Side of New Transformed Block of BHEL Bhopal	BHEL Bhopal	Rs. 1,43,390	S. Rokade Kamal Singh & S.K.Katiyar	2009
12	Survey work of site at Ordnance Factory, Itarsi (M.P.) No. CE/ICSC/08/09/45/SKK	Ordnance factory, Itarsi M.P.	73,034	Dr. S. K. Katiyar	2 months Sept. 2008
13	Consultancy for the M.P. Water Sector Restructuring Project SPIC on the use of Advanced Surveying (GIS) Techniques CE/ICSC/07-08/90/SKK	Consulting Engineering Services (CES) New Delhi	1,01,521/-	Dr. S. K. Katiyar	March to July 2008
14	Survey of Electric lines in Vaishali Nagar Bhopal city using GPS and GIS techniques	M.P.K.V.C.C. Govt. of Madhya Pradesh	88,247/-	Dr. S. K. Katiyar	2008
15	Forest density mapping of Sagar District using remote sensed imagery	M.P. Forests Deptt., Govt. of Madhya Pradesh	35,387/-	Dr. S. K. Katiyar	June 2006
16	Training on forest cover mapping using remotely sensed imagery and GPS	M.P. Forests Deptt., Govt. of Madhya Pradesh	19,836/-	Dr. S. K. Katiyar	June 2005
17	Checking of Bridge Alignment at Bagh Mugalia, Bhopal.	M. P. Housing Board (Through M/s DECON, Bhopal.	3,500/-	Dr. S. K. Katiyar M.K. Chaudhar	March 1999
18	Survey of Area Neori Hills (Phasell), S. I. Lines Bhopal.	Commander Work Engineers, S. I. Lines, Bhopal.	1.5 Lakhs	Dr. S. K. Katiyar Dr. L. S. Joshi, Dr. B.S.N.Reddy	Sept. 1997
19	Survey of Area Neori Hills, S. I. Lines Bhopal.	Commander Work Engineers, S. I. Lines, Bhopal.	2.0 Lakhs	Dr. S. K. Katiyar Dr. L. S. Joshi, Dr. B.S.N. Reddy	August 1996

S. No.	Title of Paper	Name of Journal	Author	Co-authors	Volume. & Year
	Application of geographical information system (GIS) in reducing accident blackspots and in planning of a safer urban road network: a review	Ecological informatics, 2021 - Elsevier	Nishant Singh	S. K. Katiyar	2021 https://doi.org/10.1016/j.ecoinf.2021.101436
1	Effect of Land Control Points Spatial Allocation for the Image Registration of Remote Sensing Images",	International Journal of Recent Technology and Engineering (IJRTE), Vol. 8, No. 2, pp. 6483-6488. (SCOPUS)	Harshlata Vishwakarma	S. K. Katiyar	2019
2	Accuracy Assessment of Projective Transformation Based Hybrid approach for Automatic Satellite Image Registration	International Journal of Civil Engineering and Technology Vol. 9, No. 13, pp. 1514-1523. (SCOPUS)	Harshlata Vishwakarma	S. K. Katiyar	2018
3	An Approach For Line Feature Extraction Using Hough Transform for Remote Sensing Images	International Journal of Civil Engineering and Technology, Vol. 9, No. 6, pp. 388-394. (SCOPUS)	Harshlata Vishwakarma	S. K. Katiyar	2018
4	Performance evaluation of image fusion techniques for Indian remote sensing satellite data using Z-test	Spatial Information Research, (<i>Springer Journal</i>) ISSN 2366-3286, Spat. Inf. Res. DOI 10.1007/s41324-018-0218-7, Korean Spatial Information Society 2018 (Scopus Indexed Springer group journal)	Vijay Solanky	Kandrika Sreenivas, S. K. Katiyar	2018
5	Development of Information Evaluation system for smart city planning using Geoinformatics Techniques	Journal of the Indian Society of Remote Sensing, IIRS,	Prashant Parsai	S. K. Katiyar	2018 46(11) 1881-1891

6	Pixel-Level Image Fusion In Remote Sensing: Review & Techniques	Spatial Information Research, Springer Publication ISSN 2366-3286 (Print), 2366-3294 (Online)	Vijay Solanky	S.K. Katiyar	Vol. 24, Issue 4, Page 475-483, year 2016
7	Performances Evaluation of different Open source DEM using Differential Global Positioning System (DGPS)	The Egyptian Journal of Remote Sensing and Space Sciences	Arun Patel	S. K. Katiyar & V. Prasad	10.1016 / j.ejrs.2015.12 .004
8	Bathymetric Mapping Of Bhopal City Lower Lake Using Irs-P6: Liss-4 Imagery And Artificial Neural Network Technique	Journal of the Indian Society of Remote Sensing, IIRS,	Arun Patel	S. K. Katiyar & V. Prasad	DOI.10.1007/ s12524-015-0523-8
9	Improvement of Quality of Life Using Remote Sensing and GIS Technology	International Journal of Engineering science and Technology:”. e-ISSN: 0975-5462 p – ISSN: 2278 – 9510,	Prashant Persai	S. K. Katiyar	Vol 7, 8, August 2015
10	Accuracy Assessment of Land Cover /Land Use Mapping Using Medium Resolution Satellite	International Journal of Scientific & Engineering Research	M.C. Paliwal	S. K. Katiyar	Volume 6, Issue 7, July-2015
11	Prediction of Water Demand in Water Distribution System Using Geospatial Techniques	European International Journal of Science and Technology (EIJST)	Arun Patel	S. K. Katiyar	Vol. 2, No.10, December 2013.
12	Stream Network change analysis using edge detection techniques	International Journal of Advances in Sciences & Technology	Anil Chitade	S K Katiyar	Vol.2, No.3, 2011
13	Impact Analysis of Open Cast Coal Mines on Land use/ Land Cover Using Remote Sensing and GIS Technique: A Case Study-	International Journal of Engineering Science and Technology	Anil Chitade	S K Katiyar	pp 7171-7176, Vol. 2(12),Dec, 2010.
14	Colour Based Image Segmentation Using k-means Clustering	International Journal of Engineering Science and Technology	Anil Chitade	SK Katiyar	pp 5319-5325, Vol. 2(10),Oct 2010

15	Comparative Analysis of Different Fusion Techniques of IRS Satellite Image Cartosat-I and LISS-IV with Special Reference to Vegetation Mapping	Geospatial World	Anil Chitade	S K Katiyar	Vol 6, Issue 36, 6th Sept 2010.
16	Development of Accident Prediction Model	International Journal of Advanced Engineering Technology	S. Rokade,	K. Singh, S. K. Katiyar & S. Gupta	pp.25-40, Vol. _I, Issue-III, Oct-Dec. 2010
17	Geocoding Using GPS in Autonomous Mode	Published in the journal "GIM International", University of Delft, The Netherlands	S.K.Katiyar	Onkar Dikshit & Krishna Kumar	No. 6, Vol. 17, June 2003

(a) National Journal Publications

Sr. No.	Title of Paper	Name of Journal	Author	Co-Author	Volume Issue No. & Year
1	Telecommunication utility analysis using GIS and GPS techniques	Journal of Indian Society of Geomatics, published by Space Application Centre (SAC) Ahmedabad, Indian Space Research Organization (ISRO),	Prashant Persai	S. K. Katiyar	Vol 9, No. 2, pp 203-212 October 2015
2	Open Source GIS and Cloud Computing Technology for Power Distribution System".	----do----	Prashant Persai	S. K. Katiyar	Vol 9, No. 1, April 2015
3	Prediction of Water Demand & Water Storage Capacity of Municipal System by using Geospatial Techniques	----do-----	Arun Patel	S. K. Katiyar	Vol.2., No.10,. April 2014
4	Arun Patel, Ravi.S.Singh, Dr.S.K.Katiyar and Dr Vishnu Prasad, "Accuracy Assessment of Single-frequency DGPS,"	Coordinates magazine	Arun Patel	Ravi. S. Singh, S.K. Katiyar & V. Prasad	August 2014.

5	Accuracy Aspects in the use of GPS Technology for Geoinformation System	Journal of Disaster and Development, published by National Institute of Disaster Management (NIDM), New Delhi (under Ministry of Home Affairs, Govt. of India)	S. K. Katiyar	-	Vol. 4, No.2, Nov. 2010
6	GCP database development methodology for remote sensing and GIS, using GPS and SOI	Journal of Indian Society of Geomatics, Space Application Centre Ahmedabad	S. K. Katiyar	OnkarDikshit	No.2, Vol.5, October 2011 pp. 101-106
7	Multi-resolution and Multispectral Data Fusion Using Discrete Wavelet Transform with IRS Images: Cartosat-I, IRS LISS III and LISS IV	Journal of Indian Society of Remote Sensing, Springer Publications	Anil Chitade	S.K Katiyar	40(1): 121-128
8	A GIS Tool in Water Balance Evaluation for the estimation of Ground Recharge using water level fluctuation method	Bull. Geological Science	P. K. Singh	S.K.Katiyar & U.C.Singh	pp.115-120 Vol.5 (2 nd issue),2009
9	Bathymetric Mapping Over Coastal Andhra Pradesh Using Landsat MSS Data.	Journal of Indian Society of Remote Sensing,	S.K. Katiyar	K.K. Rampal	Vol. 19, No.3, pp. 149-156

(C) International Conferences

Sr. No.	Title of Paper	Conference venue & duration	Author	Co-author
1	Remote Sensing and GIS applications in the Planimetric Modeling of River Meandering	International Workshop on Application of Remote Sensing and GIS, Water, Environment, Land and Society 01 - 03 December 2020 Jointly Organized By: IAWEEES & IHE Delft, In Association With RNTU, NIH, CSIR-AMPRI, WALMI, NCU, CVRU Online mode	S. K. Katiyar	M.K. Nigam S. K. Mittal

2	RS and GIS Based Temporal Analysis on Plan Geometry of River Ganga Near Kanpur for Sustainable Rehabilitation	International conference on River Health: Assessment to Restoration (RHAR-2019), 14-16 February 2019 at IIT BHU	M.K. Nigam	S. K. Katiyar S. K. Mittal
3	A Decision Tree Based Approach To Monitor Land Cover Dynamism Of Bhopal District using Remotely Sensed Images	International Conference on Water, Environment, Energy & Society, ICWEES-2016 15-18 March, 2016 (Organized By Texas A & M University, USA & AISECT University, Bhopal, India)	Sangeeta Singh	S. K. Katiyar
4	Land Surface Temperature Estimation Using Remote Sensing Data	-----do-----	Vijay Solanki	S. K. Katiyar
5	Role of Geospatial Techniques in the Vector Borne Disease Outbreak Prediction and Patient Diagnosis	6th International Conference on HealthGIS-2015 Geo ICT for Epidemic Control and Healthcare 19 - 21, November, 2015, Mysore, India	S. K. Katiyar	
6	Difficult Indexes for Planning of Telecommunications and Electricity Facility	Proceedings of International Conference On Geo-Engineering and Climate Change Technologies for Sustainable Environmental Management GCCT-2015 MNNIT Allahabad	Prashant Persai	S. K. Katiyar
7	Recent Trends In Site Determination For Urban Solid Waste Disposal Using GIS And Remote Sensing Technique	----do---	Sasanka Narah,	Vijay Solanky, & S. K. Katiyar
8	A Review of Solid Waste Management Techniques using GIS and Other Technologies	Proceedings of 2015 International Conference on Computational Intelligence and Communication Networks 978-1-5090-0076-0/15 \$31.00 © 2015 IEEE DOI 10.1109/CICN.2015.281	Priyanka Shrivastava	Shivangi Mishra & S. K. Katiyar
9	Detailed Evaluation of DEM interpolation methods in GIS using GPS data	Proceedings of 6 th International conference on computational intelligence and communication networks held at LNCT Bhopal, page no. 666 to 671, 2014	Rishikeshan C.A.,	S. K. Katiyar & Vishnu Mahesh

10	Performance evaluation of various resampling techniques on IRS imager	Proceedings of IEEE International conference at New Delhi on 2-10-2014 978-1-4799-5173-4/14/\$31.00 ©2014 IEEE	Porwal S.	S. K. Katiyar
11	Digital Image Processing for Remote Sensing Applications on environmental Conditions for Disease Vectors	International conference on Improving Public Health by Application of Space Technology - An Open Community Approach : UNISPACE III, Recommendation 6 - Follow-Up Initiative ", Organized by University of Koblenz-Landau in cooperation with UNOOSAUN-Campus in Bonn, Germany,	S. K. Katiyar	
12	Geometric Correction of High Resolution Remotely Sensed Images with special relevance to IRS-1C/D Data	Organized by I.I.T. Roorkee, 20 th to 21 st February 2006	S. K. Katiyar	-
13	Geoinformatics Techniques in the Disaster Mitigation	M.P. Academy of Administration Bhopal, 15 th to 16 th February 2006	S. K. Katiyar	-
14	Accuracy Aspects in the use of GPS Technology for Geoinformation System	National Institute of Disaster Management (NIDM), New Delhi (under Ministry of Home Affairs, Govt. of India) 4 th to 6 th Novemeber 2009	S. K. Katiyar	
15	Geometric Correction of High Resolution Remotely Sensed Images with special relevance to IRS-1C/D Data	Indo-Australian Conference on Information Technology in Civil Engineering, at I.I.T. Roorkee, 20 th to 21 st February 2006.	S. K. Katiyar	
16	Geoinformatics Techniques in the Disaster Mitigation	International seminar on Retrofitting of Buildings to Withstand Earthquake and Green Construction Concept, at M.P. Academy of Administration Bhopal, 15 th to 16 th February 2006.	S. K. Katiyar	

17	Geoinformatics Techniques in the Power Development and Management	International conference of Global Institute of Flexible Systems Management, organized by Rajeev Gandhi ProudhyogikiVishwavidyalaya (RGPV) Bhopal in association with UAH College of Administrative Science, The University of Alabama in Huntsville, USA 27-30 December 2005 at RGPV Bhopal	S. K. Katiyar	J. S. Chouhan
18	Forest Density Mapping Using Remotely Sensed Imagery: Some Operational Issues	25 th International Cartographic Congress of Indian National Cartographic Association, 28 th Nov. to 1 st Dec. 2005 at Dr. H.S. GourVishwavidyalaya, Sagar M.P. India	S. K. Katiyar	Anand Kumar
19	Ground control for the geometric correction of remotely sensed imagery: requirements and issues in India	3 rd International symposium on “New technologies for urban safety of Mega cities in India”, 18-19 October 2004 at Agra, organized by IIT Kanpur and ICUS Tokyo Japan	S. K. Katiyar	OnkarDikshit and Krishna Kumar
20	Linear Pushbroom Model for IRS-1C/D Satellite Imaging Geometry	Geoscience and Remote Sensing Symposium, 21-25 July, 2003. IGARSS '03 Proceedings. IEEE International, vol.6, pp. 3613-3615.	S. K. Katiyar	OnkarDikshit
21	Geometric Correction of High-resolution Imagery from Indian Remote Sensing Satellite (IRS-1C/D)	Presented in the 53 rd International Astronautical Congress, The World Space Congress-2002, 10-19 October 2002, Houston, Texas, USA.	S. K. Katiyar	OnkarDikshit and Krishna Kumar
22	GPS for the Geometric Correction of Remotely Sensed Imagery: Possibilities After Termination of SA.	Proceedings of “The Asian GPS Conference”, CSDMS, New Delhi, 24-25 October 2002.	S. K. Katiyar	OnkarDikshit and Krishna Kumar
23	Considerations in the Geometric Correction of Remotely Sensed Imagery for Urban Mapping	Proceedings of International Conference on Remote Sensing GIS and GPS in Human Settlement and Planning, MaulanaAzadCollege of Technology, Bhopal, 16-19 January 2002.	S. K. Katiyar	OnkarDikshit and Krishna Kumar

24	Hydrological Modeling Using Geographic Information System (GIS) Techniques.	Proceedings of International Conference on Remote Sensing GIS and GPS in Human Settlement and Planning, Maulana Azad College of Technology, Bhopal, 16-19 January, 2002.	S. K. Mittal	S. K. Katiyar and M. K. Choudhary
25	GIS in Management and Analysis of Digital Cartographic Database.	15 th INCA International Congress, held at GSITS Indore, 5 th to 8 th December 1995.	S. K. Katiyar	

(d) National Conference

Sr. No.	Title of Paper	Conference venue & duration	Author	Co-Author
1	Estimation of soil moisture using RISAT-CRS data a watershed in Yamuna Lower sub-basin	Proceedings of Annual Conventions of Indian Society of Remote Sensing & Indian Society of Geomatics 7 th to 9 th Dec. 2016 at Dehradun, India Paper ID-381, page 17	Kumar Shivam	S. K. Katiyar, Parag Narvekar, Sat Kumar, S. Bandhopadhyaya & Shekhar M.
2	Classification accuracy analysis on the different algorithm based fused remotely sensed imagery	Abstract published in the National symposium on "Geomatics for Digital India" 16-18 December 2015 at Jaipur	Vijay Solanky	Sangeeta Singh, S.K. Katiyar
3	Infrastructure Facility Planning and Management Study Using Open Source Technology	Proceedings of National Conference on Open Source GIS-OSGIS-15, IIT BHU, Varanasi	Prashant Persai	S. K. Katiyar
4	An Optimal Transportation Routing Approach using Open Source GIS for Shortest Path Evaluation	-----do-----	Sangeeta Singh	Vijay Solanky & Dr. S.K. Katiyar
5	Geo-informatics and Telecommunications Utility Management	ESRI User Conference at Delhi 11-12 December 2013, UCP020	Prashant Persai	S. K. Katiyar
6	Unique Ids for Assets Management	Poster paper in ESRI User Conference at Delhi 11-12 December 2013, UCP020	Prashant Persai	S. K. Katiyar

7	Prediction of Water Demand from Land Use Information Using RS, GIS & DGPS Techniques and its comparison with Conventional Methods: A Case Study for Bhopal City	Annual convention of Indian Society of Remote Sensing at Singhad College of Science & Technology, Lonavala (M.S.) 1 st to 3 rd 1 st to 3 rd December 2010	Arun Patel	S. K. Katiyar & Vishnu Prasad
8	Classification Techniques For Land Use/ Land Cover With Special Reference to Inland Wetland Mapping In Parts of Nizamabad District, A.P., India :A Case Study	National Conference on Geomatics-09, I I T Powai Mumbai	Anil Chitade	S. K. Katiyar
9	Role of GPS in Infrastructure Development	National Seminar on "Infrastructure Development in Madhya Pradesh &Chattisgarh, 11-12 th March 2005 at Rajeev Gandhi ProudhyogikiVishwavidyalaya (RGPV) Bhopal	S. K. Katiyar	J. S. Chouhan
10	Selection of cost effective GPS solution	National Workshop on "Recent Trends in Earth Resources Mapping" during 29 th to 30 th June 2004 at M.A.N.I.T. Bhopal	S. K. Katiyar	
11	Topographic Mapping of Hilly Terrain Using Total station.	Proceedings of "Advances in Civil Engineering: Perspective of Developing Countries", Volume I, pp. 340-346, 15-16 February 2003, H. B. T. I. Kanpur.	S. K. Katiyar	H. S. Niranjana
12	Modeling of Orbit Attitude Parameters for Parametric Geometric Correction of IRS-1C/D Satellite Imagery.	Proceedings of ISRS-2001, National Symposium on Advances in Remote Sensing Technology with Special Emphasis on High Resolution Imagery, 11-13 December, 2001, Space Application Centre (ISRO), Ahmedabad.	S. K. Katiyar	OnkarDikshit & Krishna Kumar
13	Quantification of BhopalLake Suspended Solids Using Remotely Sensed Data.	Proceedings of National Conference on Environmental Engineering held at Tirupati in May 1999.	R. Srivastava	S. K. Katiyar
14	Selection of Suitable GPS Configuration for Mapping Purpose	Proceedings of National Conference on Global Positioning System held at I.I.T. Kanpur, 21-22 February 1997.	S. K. Katiyar	

15	Urban Area Mapping Using Remote Sensing Techniques.	International Symposium on Resource Management and Environmental Protection held at New Delhi, 16–18May 1996.	S. K. Katiyar	L. S. Joshi
16	Cadastral Map Updating Techniques Using Remotely Sensed Data and GPS.	10 th National Convention of Agricultural Engineers, organized by Institution of Engineers (India) at Bhopal, 10–11February 1996.	L. S. Joshi	S. K. Katiyar
17	Land Record Management and Analysis Using GIS Techniques.	10 th National Convention of Agricultural Engineers, organized by Institution of Engineers (India) at Bhopal, 10–11February 1996.	S. K. Katiyar	
18	GIS in Management and Analysis of Digital Cartographic Database.	15 th INCA International Congress, held at GSITS Indore, 5 th to 8 th December 1995.	S. K. Katiyar	

6. 15. B.TECH./M.TECH. PROJECTS AND Ph.D. GUIDANCE

B.Tech. Projects

S. No.	Project Title/Details	Year	Supervisors
1	Digital mapping and creation of database of Pachmarhi using Geographic Information System – <i>By Rahul Malhotra and Amit K. Jain</i>	1998	Dr. S. K. Katiyar

2	Landuse mapping of tabil city and surrounding areas using Remote Sensing Techniques- <i>By Dharmendra Kumar Deepak, Dheeraj Marwah, Ashish Kulshreshtha and others</i>	1999	Dr. S. K. Katiyar
3	Urban growth pattern recognition for Bhopal city using IRS-PAN data – <i>By Amit Chandrawanshi, Rajesh Agrawal, Kunal Gomber and others</i>	1999	Dr. S. K. Katiyar
4	Lanuse and land cover mapping of Bhopal city using integrated Remote Sensing, GIS and GPS techniques- <i>By Ashish Sharma, Abhishek Paliwal and Arvind Minz</i>	2004	Dr. S. K. Katiyar
5	Hydrological studies of Betwa river basin using GIS techniques- <i>By Manik Nath, Kamal Sharma and Abhishek Jain</i>	2004	Dr. S. K. Katiyar and M.K. Choudhary
6	Stability of the earth slope existing at the entry of M.A.N.I.T. Bhopal and providing remedial measures to tabilize it- <i>By Abhishek Porwal, Amita Barange and others</i>	2004	Dr.Nitin Dindorkar and Dr. S. K. Katiyar
7	Identification of roads from satellite imagery using artificial neural networks- <i>By Amrita Kaushik, Piyush Parate and others from CSE-IT deptt.</i>	2005	Dr. Lavit Rawtani, Meenu Chawla and Dr. S. K. Katiyar
8	Estimation and Demarcation of submergence area due to large dams using Remote Sensing and GIS techniques- <i>By Satyavrat Tripathi, Amit Munshi and Deepjyoti Simha</i>	2005	Dr. S. K. Katiyar
9	Development Bhopal city information system using Remote Sensing and GIS techniques- <i>By Yashwant Modi, Samir Khan Ankita and others</i>	2006	Dr. S. K. Katiyar
10	Remote Sensing and GIS based study of reservoir induced land use changes in the catchment of Indira Sagar Dam in Harsud Area	2006	Dr. S. K. Katiyar
11	Proposals for Bhopal Development Plan 2010: Remote Sensing & GIS Approach- <i>By Roshni Kumari, Mythili K. and Nidhi Mishra</i>	2008	Dr. S. K. Katiyar
12	Remote Sensing, GIS & GPS Techniques in the investigations for the causes of Rain water flooding in urban areas: A study for the Bhopal City, Vaibhav Singh	2008	Dr. S. K. Katiyar

M. Tech. Thesis

S. No.	Thesis Title	Name of Student	Year	Thesis supervisor
1	Quantification of Bhopal Lake Suspended Solids Using Remotely Sensed Data & GPS	Bhagawat P. Misra	Dec. 1998	Dr. R. Srivastava & Dr. S. K. Katiyar
2	EIA Study for the Tawa Irrigation Project Madhya Pradesh Using Evaluation Matrices and Remote Sensing GIS Techniques	Devyani Sharad Billore	July 2006	Dr. M. Kulshreshtha & Dr. S. K. Katiyar
3	Role of Remote Sensing & GIS in Dams	Rajesh Joshi, SATI Vidisha, RGPV	July 2007	Dr. S. K. Katiyar &

S. No.	Thesis Title	Name of Student	Year	Thesis supervisor
		Bhopal		Dr. J.S. Chauhan
4	GIS Based Power Distribution System: A Study for the Vaishali Feeder in Bhopal City	Ch. Hemant Kumar	June 2008	Dr. Tripta Thakur & Dr. S. K. Katiyar
5	Electricity Power Consumer Indexing using GIS & GPS Techniques	Preeti Chaurasia	June 2008	Dr. Tripta Thakur & Dr. S. K. Katiyar
6	Behavior of Silty and Expansive Soil Mixed with Artificial Fiber	Ravindra Kumar Tripathi	July 2008	Dr. S. K. Katiyar & Rakesh Kumar
7	GIS based Planning and route optimization for Muncipal Solid waste collection at bhopal city	Ankit Jain	June 2009	Dr. Mukul Kulshreshtha & Dr. S. K. Katiyar
8	Evaluating Level of Service of Pedestrian Walkways by HCM Method	Kailash Kumar Sharma	July 2009	Dr.S K Katiyar, Mr Kamal Singh & Mr.S. Rokade
9	Development of accident prediction model	Sumeet Gupta	July 2010	Prof. S. Rokade, Prof. Kamal Singh & Dr. S. K. Katiyar
10	Image fusion techniques for IRS multiresolution imagery	Kailash Kumar Patel	July 2010	Dr.S K Katiyar
11	Landuse change detection using remote sensing and GIS techniques	Dheerendra Pratap Singh	July 2010	Dr.S K Katiyar
12	Edge detection techniques: A comparative analysis on remote sensing images	Harshlata Vishwakarma	July 2010	Dr.S K Katiyar
13	Web enabled open source GIS based tourist information system for Bhopal city	Sreejith S. Nair	July 2010	Dr.S K Katiyar
14	SWM of kolar municipality area using RS & GIS techniques	Yogeshwar Singh	July 2010	Dr.S K Katiyar & Dr. M. S. Chauhan
15	DEM interpolation methods	Rishikeshan	July 2011	Dr.S K Katiyar
16	Data mining for image visualization	Dharmendra	July 2011	Dr.S K Katiyar
17	Open source GIS for MANIT BHopal Campus	Praveen Barapatre	July 2011	Dr.S K Katiyar
18	Vegetation MAPPING	Premchandra Joshi	July 2011	Dr.S K Katiyar & Prof. Anil Chitade
19	Performance evaluation of different resampling techniques for IRS imagery	Shardha Porwal	July 2012	Dr.S K Katiyar
20	Wavelet techniques for edge detection and automatic registration of remote sensing satellite images	Kuldeep	July 2012	Dr.S K Katiyar

S. No.	Thesis Title	Name of Student	Year	Thesis supervisor
21	Automatic Tools for Geo-Intelligence from high resolution Remotely Sensed Satellite Imagery	Arun P V	July 2012	Dr.S K Katiyar
22	Performance Evaluation of Grid to Triangulated Irregular Network (TIN) Conversion Algorithms	Vishal Kedia	July 2012	Dr.S K Katiyar
23	Comparative Evaluation of Image Enhancement Filters for Remote Sensing & GIS Application	Neha Urkude	July 2012	Dr.S K Katiyar
24	Landfil Site Selection Using GIS: A Study for the Bhopal City	Abhijeet Bijgavne	July 2012	Dr. M. S. Chauhan, Dr. S K Katiyar & Dr. S. R. Samadder
25	Speckle Noise Reduction of SAR Imagery & Its Fusion with Multispectral images for vegetation classification	Vivek Kumar Gupta PG/FT/112110218	July 2013	Dr. S. K. Katiyar
26	Analysis of Water Body Detection Approaches on Temporal RS data of Flood Affected Area	Ashu Sharma PG/FT/112110222	July 2013	Dr. S. K. Katiyar
27	A Location-based Secure Access Control Mechanism of Geospatial data	Manali Singh Rajpoot PG/FT/112110205	July 2013	Dr. S. K. Katiyar & Deepak Singh Tomar
28	<i>Cadastral Map Registration and Rectification Accuracy Analysis for GIS Database Creation</i>	Rakesh Sahu PG/FT/112110216	July 2013	Dr. S. K. Katiyar & M. K. Choudhary
29	<i>Delineation of Ground Water Prospect Zones Using Remote Sensing & GIS Techniques</i>	Ramvaran Meena PG/FT/112110215	July 2013	Dr. S. K. Katiyar & M. K. Choudhary
30	<i>GIS based Advanced Traveller Information System (ATIS) for Bhopal</i>	Pradeep Shukla PG/FT/112110210	July 2013	Dr. S. K. Katiyar
31	Accuracy Assessment of single frequency DGPS	Ravi Shankar PG/FT/112110224	July 2013	Dr. S. K. Katiyar
32	Mapping Techniques in Electrical Engg.: A GIS based study on power distribution system network of MANIT Bhopal	Anil Kumar PG/FT/112113112	July 2013	Dr. A. M. Shandilya & Dr. S. K. Katiyar
33	Texture based information extraction from remote sensing satellite images	Amit Neog	July 2014	Dr. S. K. Katiyar
34	Vegetation mapping from remotely sensed satellite data using indices &	Sharad Kumar Gupta	July 2014	Dr. S. K. Katiyar

S. No.	Thesis Title	Name of Student	Year	Thesis supervisor
	analysis of topographic correction methods			
35	Flood impact assessment of Uttarakhand flash flood 2013 using landsat-8 satellite images	Praveen Kumar	July 2014	Dr. S. K. Katiyar
36	Prototype for online visualization of geospatial data of Bhopal city	Amit Kumar	July 2014	Dr. S. K. Katiyar
37	Automatic building feature extraction from high resolution satellite images	Sujeet Yadav	July 2014	Dr. S. K. Katiyar
38	River Ganga meander change detection analysis using automatic feature extraction from satellite images	Ati Goyal	July 2014	Dr. S. K. Katiyar
39	Validation of Random Points and Open source DEMs using DGPS	Swati Sonkar	July 2014	Dr. S. K. Katiyar
40	Analysis of the effect of PAN sharpening in change detection on Landsat Images	Vikas Pandey	July 2014	Dr. S. K. Katiyar
41	GIS Based Transportation Information System for Bhopal City	Alekh Kunhare	July 2014	Dr. S. K. Katiyar
42	Differential GPS Survey Accuracy Assessment	Pankaj Singh Diwakar	July 2014	Dr. S. K. Katiyar
43	Pixel Based Change Analysis Over Urban And Agricultural Areas	Vishnu Mahesh V. N.	July 2015	Dr. S. K. Katiyar
44	Texture incorporated object based classification of remote sensing satellite images	K. Jaswanth Sri Ram Dev	July 2015	Dr. S. K. Katiyar
45	Land use and land cover analysis of Dehradun District using remote sensing satellite images	Ritiksha Danu	July 2015	Dr. S. K. Katiyar
46	Morphometric Analysis for the Bhopal Lake Basin Using Open Source SRTM and ASTER DEMs	Akanksha Bisht	July 2015	Dr. S. K. Katiyar
47	Analysis of land use change using open source remotely sensed images and GIS tools	Princy Verma	July 2015	Dr. S. K. Katiyar
48	Comparative Analysis on the Accuracy of DGPS and Total Station based Survey Data	Siddharth Sisodiya	July 2015	Dr. S. K. Katiyar
49	Analysis of Telecom Tower Radiation areas using GIS tools	Ravi Prakash Xalxo	July 2015	Dr. S. K. Katiyar
50	Comparative Study of Multi-spectral Indices based Decision Tree Learning Approach and MLC for Land use Classification	Sangeeta Singh	July 2016	Dr. S. K. Katiyar
51	Comparative Analysis on Remote Sensing Image Fusion Algorithms	Vijay Solanky	July 2016	Dr. S. K. Katiyar
52	Land Use Classification Using	Sasanka Narah	July	Dr. S. K. Katiyar

S. No.	Thesis Title	Name of Student	Year	Thesis supervisor
	Optical & SAR Data		2016	
53	Comparative Study of Image Registration & Application of Genetic Algorithm.	Raja Ranajeet Barad	July 2016	Dr. S. K. Katiyar
54	Solid Waste Management of Bhopal City using GIS Based Mobile Application	Priyanka Shrivastava	July 2016	Dr. S. K. Katiyar
55	DEM Generation from Remotely Sensed Cartosat-1 Stereo Imagery and its Accuracy Evaluation Using DGPS Survey Data	<i>Shaik Mohammad Imran</i>	July 2017	Dr. S. K. Katiyar
56	Optimization of Bus Stop Locations and Black Spot Mapping in Bhopal City Using GIS techniques	<i>Vaibhava Shrivastava</i>	July 2017	Dr. S. K. Katiyar
57	Estimation of soil moisture using remotely sensed imagery in a watershed in Yamuna Lower sub-basin near Bhopal	Kumar Shivam	July 2017	Dr. S. K. Katiyar
58	Mapping of potential artificial recharge sites using RS & GIS techniques	Kodali Girija	July 2017	Dr. S. K. Katiyar
59	Remote Sensing and GIS Based Least Cost Path Analysis for Roadway Planning	Amit Kumar Yadav	July 2018	Dr. S. K. Katiyar
60	GIS Based Road Network Analysis for Bhopal City	Digvijay Singh	July 2018	Dr. S. K. Katiyar
61	DEM Attributes Extraction from Cartosat-1 Stereo Imagery & its Comparison with Open Source DEM	Gayanendra Singh	July 2018	Dr. S. K. Katiyar
62	GIS based Analysis on real time road traffic flow and air quality mapping of Bhopal City	Nidhi Singh	July 2019	Dr. S. K. Katiyar
63	Post Processing of Lidar data and its Analysis for highway DPR preparation	Sumyata Srivastava	July 2019	Dr. S.K.Katiyar Dr. Sudhakar Shukla
64	Flood inundation mapping and site suitability of flood shelters using RS & GIS techniques	Kaustav Mondal	July 2019	Dr. S.K.Katiyar
65	Rain water harvesting site selection using remote sensing and GIS techniques	Rahul Pandey	July 2019	Dr. S.K.Katiyar
66	Analysis on DGPS survey accuracy under Different conditions	Ritumbhara Singh	July 2019	Dr. S.K.Katiyar
67	Resurvey for based cadastral mapping using high resolution satellite imagery and DGPS	Mayank Rajput	July 2019	Dr. S.K.Katiyar
68	Assessment Of Urban Sprawl And Land Utilization Pattern Dynamics Using RS & GIS Techniques: A	Manoj Kumar	July 2019	Dr. S.K.Katiyar Dr. G.D.Bairagi

S. No.	Thesis Title	Name of Student	Year	Thesis supervisor
	Case Study Of Bhopal			
69	Analysis on Spatial Interpolation Techniques for Geospatial Data Applications	Nitish Kumar Patel	June 2020	Dr. S.K.Katiyar
70	Flood Hazards and Flash Flood Mapping Using Remote Sensing and Gis Techniqueo	S. Ranjith	June 2020	Dr. S.K.Katiyar
71	A Comparative Study of Different GLCM Texture Feature Classifications	Raju Baul	June 2020	Dr. S.K.Katiyar
72	Comparative Analysis on Remotely Sensed Image Fusion Algorithms	Shishir Chandra	June 2020	Dr. S.K.Katiyar
73	Identification Of Ground Water Recharge Zones Using Remote Sensing & GIS Techniques	Vikas Kumar Modanwal	June 2020	Dr. S.K.Katiyar
74	Design of Water Distribution System Network Using EPANET Software and Geospatial Techniques	Prodduturi Venkata Ajay Kumar	June 2021	Dr. S.K.Katiyar
75	GIS Based Analysis of Groundwater Quality in Madhya Pradesh	Rahul Bhagore	June 2021	Dr. S.K.Katiyar & Kamal Singh

PhD Thesis

S. No.	Name of Student	Year of completion	Title of the Thesis	Name of thesis supervisor
1	Anil Chitade 083211106	December 2012	3S Technology for monitoring of coal mine areas	Dr. S. K. Katiyar
2	Arun Patel 093111102	July 2016	Land surface and bathymetric mapping using satellite-based data	Dr. S. K. Katiyar & Vishnu Prasad
3	Prashant Parsai 093207101	27 th June 2017	Development of information evaluation system for smart city planning using Geoinformatics techniques	Dr. S. K. Katiyar
4	Mahendra Kumar Nigam (123211101)	6 th September 2018	Planimetric Modelling Of River Ganga Meandering Geometry Near Kanpur Using RS and GIS	Dr. Sushil Kumar & Dr. S. K. Katiyar
5	Harsh Lata Vishwakarma 143225004	24 th July 2021	Accuracy Assessment of Automatic Image Registration Techniques for Remotely Sensed Images	Dr. S. K. Katiyar

16. WORKSHOPS/SHORT TERM TRAINING PROGRAM ORGANIZED

1. National Workshop on “**Recent Trends in Earth Resources Mapping**” during 29th to 30th June 2004 at M.A.N.I.T. Bhopal (self -financed).
2. National Workshop on “**Advances in Remote Sensing Technology**” on 12th February 2005 at M.A.N.I.T. Bhopal.
3. National Workshop on “**GPS Technology & its applications**” on 16th to 17th April 2010 at MANIT Bhopal (self -financed).
4. **DGPS Survey Training** course 18th April 2010 at MANIT Bhopal (self –financed in collaboration with IIT Kanpur).
5. Short term Training Programme on “**Environmental Impact Assessment: Cases, Issues and Applications of Remote Sensing, GPS & GIS Techniques**”, 23rd to 28th February 2012 at MANIT Bhopal (self -financed).
6. One-week Short Term Training Program (STTP) on “**Recent Trends In Surveying Technology: Remote Sensing, GPS & GIS Perspective**” was organized during 22-26 June 2015 in collaboration with Civil Engg. Deptt. IIT Kanpur (self-financed).
7. Two days’ workshop on “**FREE AND OPEN-SOURCE SOLUTIONS OF GEOINFORMATICS**” during 25-26 February 2016 under TEQIP-2 Centre of Excellence project.
8. Two days’ workshop on “**EMERGING TRENDS IN SURVEYING TECHNOLOGY: DGPS, CORS, 3D SCANNERS AND LIDAR SYSTEMS**”, 6-7 July 2017 at M.A.N.I.T. Bhopal in Association with *Leica Geosystems* (self -financed).
9. Two Days Training workshop on “**Applications of Modern Surveying Techniques (Remote Sensing, GIS and GPS) in the Water Resources Projects**” during 21-22 Nov. 2019, at MANIT Bhopal funded by Ministry of Water Resources under DRIP project.
10. 21 Days Winter School on **Geospatial Technologies (LEVEL-1)**, during 13th January 2020 to 2nd Feb.2020 at MANIT Bhopal and funded by **Department of Science and Technology (DST) under NRDMS-DST scheme**.
11. One-week Short Term Training Program (STTP) on “**Machine Learning Techniques for Analytical Research**” was organized during 20-24 February 2021, at MANIT Bhopal and funded by TEQIP-III world bank project Centre of Excellence in Geoinformatics.
12. One-week Short Term Training Program (STTP) on “**EMERGING TRENDS IN GEOINFORMATICS TECHNIQUES AND APPLICATIONS**” was organized during 1st – 5th March 2021, at MANIT Bhopal and funded by TEQIP-III world bank project Centre of Excellence in Geoinformatics.

17. EXPERT LECTURES DELIVERED

S. No.	Title of Lecture	Place of Lecture Delivered	Date /Duration
1	Advanced Surveying Techniques in Environmental Sciences	Indira Gandhi Academy of Environmental Education and Ecoplaning, Jiwaji Univ. Gwalior	2 nd March 1995 For 2 Hours

		(M.P.)	
2	Image Processing Techniques in the Development & Monitoring of Water Resources	Summer School on "Applications of Remote Sensing & GIS in Decentralized Planning and Management of Natural Resources." At Govt. Engg. College Bhopal.	26 th May 1995 For 2 Hours
3	Microsoft Excel s/w training	Training to M.P. Housing Board officers at Academy of Administration M.P. Bhopal	4 th June 1999 For 4 Hours
4	Microsoft Excel s/w training	Training to Water Resources Deptt. Officers at Academy of Administration M.P. Bhopal	24 th to 26 th June 1999 For 6 Hours
5	Pre-Processing of Digital Remotely sensed IRS-1C/D data	M.P. Remote Sensing Application Centre, MAPCOST Bhopal	23 rd – 25 th September 2003 For 3 Hours
6	Selection of GPS Receiver for Mapping Applications	I.I.T. Roorkee	30 th Dec. 2003 For 1 Hour
7	Use of GPS Data in integration with Indian Datum Maps	I.I.T. Roorkee	30 th Dec. 2003 For 1 Hour
8	Modern Surveying Techniques	Training to Narmada Valley Development Corporation officers at RCVN NORONHA Academy of Administration M.P. Bhopal	2 nd September 2004 For 2 Hours
9	Matlab Applications to GIS/Image Processing	Workshop on "Matlab Applications" at Govt. Engg. College Raipur, organized by I.I.T. Kanpur	4 th October 2005 For 3 Hours
10	Good surveying practices including laying and setting out of curves	For MPRRDA engineers and consultants	5 different courses in Sept. and October 2005 each of 2 hrs.
11	Modern Surveying Instrumentation, Remote Sensing, GIS, GPS, Geodesy and Astronomy applications in Mine Surveying	Short-Term course for the Surveyors of The Singareni Collieries Company Ltd. (A Govt. Company) Kothagudem Khammam Distt. A. P., India	7 th to 9 th November 2005 For 15 Hrs.
12	Modern Surveying Investigation Techniques	Training to Narmada Valley Development Corporation officers at RCVN NORONHA Academy of Administration M.P. Bhopal	10 th January 2006 For 03 Hrs.
13	Training on GIS techniques at Chips	Organized by IIT Kanpur and Chips, Chattisgarh Govt. At NIT Raipur	10 th 12 th February 2006 for 12 hrs.
14	Site selection for wind energy projects	Course on wind energy at MANIT Bhopal	22 nd June 2006
15	Introduction to Modern Surveying	Training to Narmada Valley	2 nd January 2007

	Techniques	Development Corporation officers at RCVN NORONHA Academy of Administration M.P. Bhopal	(1 Hr. 15 min.)
16	Use of modern surveying data for the engineering projects	---do--	4 th January 2007 (1 Hr. 15 min.)
17	Modern Surveying Techniques for the engineering projects	---do--	27 th June 2007 (1 Hr. 15 min.)
18	Use of modern surveying data for the engineering projects	---do--	27 th June 2007 (1 Hr. 15 min.)
19	Application of Digital Surveying Instruments	NITTR Bhopal	23 rd October 2007 For 3 Hr. 30 minutes
20	Surveying Techniques for the construction of Buildings & Roads	RCVP NORONHA Academy of Administration M.P. Bhopal	17 th Dec. 2007 (1 Hr. 15 min.)
21	Tutorial on the Surveying Techniques for the construction of Buildings & Roads	---do--	22 nd Dec. 2007 (2 Hr. 45 min.)
22	Main Provisions of Surveying for the construction of Buildings & Roads	---do--	17 th March 2008 (1 Hr. 15 min.)

18. Administrative Experience

S. No.	Administrative post held	Duration
1	Deputy Controller of Examinations	Aug. 1997 to Dec. 1998
2	Survey and Remote Sensing Lab In charge	Jan. 1997 to till date
3	Assistant Proctor	Dec. 2004 to July 2009
4	Prof. I/c Civil Maintenance	Aug 2009 to Nov. 2009
5	Chairman Council of Wardens	Year 2012 to 2014
6	Coordinator Centre of Excellence in Geoinformatics under TEQIP-2 project	April 2013 to March 2016
7	Dean Research & Consultancy	22 nd October 2014 to 21 st October 2016
8	Head of Civil Engineering Department	1 st January 2018 to 31 st Dec. 2019
9	Coordinator Centre of Excellence in Geoinformatics under TEQIP-3 project Phase-2	2020 to 2021

19. MEMBERSHIP OF PROFESSIONAL BODIES : Life membership of following societies:

- (a) Indian Society of Geomatics (ISG), Space Application Center Ahmedabad (No. ISG-L-191)
- (b) Indian Society of Remote Sensing, I.I.R.S. Campus Dehradun (No. L- 1380)
- (c) Indian Society of Technical Education, I.I.T. Campus New Delhi (No. LM-24230)
- (d) Institution of Engineers (India) (No. AM 79893/5)