

M. SHASHI

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Educational Qualifications:

- Doctorate in Philosophy (2009) in Department of Civil Engineering, Indian Institute of Technology Roorkee, Roorkee.
- Master of Technology (2002), in Remote Sensing and Photogrammetric Engineering, from Indian Institute of Technology Roorkee, Roorkee, First Division
- Bachelor of Engineering (1999), in Civil Engineering from College of Engineering, Osmania University, Hyderabad, First Division
- Diploma in Civil Engineering (1995), from Govt. Polytechnic Mahabubnagar, Andhra Pradesh, First Division

Job Experience:

- Assistant Professor, May 2012-till date, Department of Civil Engineering, National Institute of Technology Warangal, Andhra Pradesh.
- Assistant Professor, April 2010-April 2012, Department of Mining Engineering, Indian School of Mines, Dhanbad, Jharkhand.
- Assistant Professor, November 2009-April 2010, Department of Civil Engineering, College of Engineering Roorkee, Roorkee, Uttarkhand.

Dissertations:

- Guided 30+ MTech Dissertations
- Guiding 3 Phd Students presently

Membership societies:

- Member, ISPRS Working Group V/2: Cultural Heritage Documentation
- Member, Life (L-2951), Indian Society of Remote Sensing
- Member, Life (L-832), Indian Society of Geomatics
- Member, Life (LM-39279) Indian Society of Technical Education
- Member, Life (63575), International Association of Engineers

Honours and Fellowship:

- Reviewer, International Journal of Remote Sensing and GIS
- Reviewer, Journal of Cultural Heritage, Elsevier Pubs.

Research Projects:

- Creation of digital database using Close Range Photogrammetry for monuments and heritage sites of Warangal, MHRD, 3.3 Lacs (Completed)
- A simple and robust non-contact method for rapid structural health monitoring of critical infrastructure using Digital Image Correlation, MHRD-IMPRINT, 30 Lacs (In Progress)

Consultancy Projects:

- Mapping of NIT Andhra Pradesh campus, 4 Lacs (Completed)
- Mapping of community assets of Gram Panchayats using NRSC-Bhuvan Panchayat mobile application, NRSC-ISRO, 2.34 Lacs (In progress)
- Development of Web Based GIS platform for a telecom company, Skyeits, USA, 28 Lacs (In progress)

Workshops Organized

- Three day workshop on ‘Advances in structural health monitoring for Civil Infrastructure’ 22-24 March 2017, TEQIP-II, NIT Warangal

Publications:

International Journals:

1. **Shashi, M** & Kamal Jain., “Use of Photogrammetry in 3D Modeling and Visualization of buildings” Journal of Engineering and Applied sciences, Vol 2(2), pp 37-41, 2007.
2. Gaurav Shukla, **Shashi, M** & Kamal Jain., “Decision Support system for selecting suitable site for disposing solid waste of township”, International Journal of Remote Sensing and GIS, Vol 1(1), pp 02-11, 2012.
3. Mohd. Shoab., Kamal Jain & **Shashi, M.**, “Development and Implementation of Web service for logging and retrieving real time train location information”, International Journal of Soft Computing and Engineering, Vol 2(6), pp 409-412, 2013
4. Shoab M., Jain Kamal & **Shashi, M.**, “GNSS Based Real Time Train Monitoring: A Web Approach”. International Journal of Computer Applications. Vol 73(14), 2013
5. Shoab M., Jain Kamal & **Shashi, M.**, “GIS Augmented Automatic Train Monitoring”, International Journal of Computer Applications. Vol 104(8), 2014
6. Gagandeep Singh., Srivastava, H. S., **Shashi, M** & Parul Patel., “Passive microwave remote sensing of soil moisture: A step-by-step detailed methodology using AMSR-E data over Indian sub-continent” International Journal of Advanced Remote Sensing & GIS, Vol 4(1), pp 1045-1063, 2015
7. Ramreddy, T., Vishnuprakash Reddy, C & **Shashi, M.**, “An accuracy assessment of Cartosat-1 and ASTER Digital Elevation Models”, International Journal of Earth Sciences and Engineering (Accepted).

National Journals:

1. **Shashi, M**, Neha Heera & Kamal Jain., “Application of Total station in Modern arena of Sports”, Journal of Indian Surveyor, Vol 61(1), pp 51-56, 2007.
2. **Shashi, M**, Kamal Jain & Amrutraj Patil., “Recognition of model shape after deformation using Close range Photogrammetry”, Journal of Indian Surveyor, Vol 62(1), pp 43-45, 2008.
3. **Shashi, M** & Kamal Jain., “Digital Photogrammetric Recording of Landslide in Kaliasaur, Uttarakhand, India”, Journal of Indian Surveyor, Vol 63(2), 52-56, 2008.
4. Amrutraj Patil., **Shashi, M** & Kamal Jain., “Mapping of Landslide using Terrestrial Photogrammetry”, Journal of Indian Surveyor, Vol 62 (1), pp 56-61, 2009.

International Conferences:

1. Kamal Jain & **Shashi, M**, “Architectural monument documentation using Close range Photogrammetry”, 13th Australasian Remote sensing and Photogrammetry Conference, Canberra, Australia, 20-24 November 2006.
2. **Shashi, M** & Kamal Jain., “Heritage documentation using Architectural Photogrammetry”, New Architecture and Urbanism: Development of Indian Traditions, International Network for Traditional Building, Architecture & Urbanism (INTBAU) India, 12-15 January 2007 (Poster)
3. **Shashi, M** & Kamal Jain., “Use of Amateur Camera in Architectural Photogrammetry”, Map world forum, Hyderabad, India, 22-25 January, 2007 (Poster)
4. Shoab, M., Jain, K., **Shashi, M** and Anulhaq, M., “Comparison between Smartphone GPS and Handheld GPS Location Information Data”, Geomundus 2012, Lisbon, Portugal, 9-10 November, 2012.
5. Mohd Shoab., Kamal Jain., Anulhaq, M and **Shashi, M**, "Development and Implementation of NMEA Interpreter for Real Time GPS Data Logging", 3rd IEEE International Advance Computing Conference (IACC-2013), Ajay Kumar Garg Engineering College, Ghaziabad, India. February 22-23, 2013
6. Mohd Shoab., Kamal Jain., **Shashi, M** and Mohd Anul Haq., “Development of Field GIS Data Collection tool for Smartphones”, International Symposium on Mobile Mapping Technology, Tainan, Taiwan, May 1-3, 2013
7. Shoab M., Jain K. & **Shashi, M**. “Interactive Elevation Profile of GNSS Data with Integration of Google Earth”. International Symposium on Global Navigation Satellite System 2013 (ISGNSS 2013), Istanbul, Turkey. Oct. 22 – 25, 2013
8. Shoab, M., Jain K. & **Shashi, M**, “Location Based Asset Management Application for Railway: AMS-R”, 11th Symposium on Location Based Services (LBS 2014), Vienna University of Technology, Vienna, Austria. Nov. 26 – 28, 2014
9. Naga Sowjanya, P., Venkata Reddy, K and **Shashi, M**, “Effect of Estimated Runoff under changing climate on Regional Watershed”, International Conference on Modelling Tools for Sustainable Water Resources Management, Indian Institute of Technology Hyderabad, December 28-29, 2014
10. Ramreddy, T., Vishnuprakash Reddy, C & **Shashi, M**, “An accuracy assessment of Cartosat-1 and ASTER Digital Elevation Models”, International Conference on Sustainable Energy and Built Environment”, VIT University, March 12-13, 2015.
11. Vishnuprakash Reddy, C., Ramreddy, T & **Shashi, M**, “Airborne LIDAR for forestry metrics”, International Conference on Sustainable Energy and Built Environment”, VIT University, March 12-13, 2015.

12. Gagandeep Singh., Srivastava, H. S., **Shashi, M** & Parul Patel., “Analysis of monthly soil moisture variations derived from AMSR-E for the year 2010 over Indian subcontinent”, International Conference on Sustainable Energy and Built Environment, VIT University, March 12-13, 2015.
13. Anusha, S., Ramana, K. V., Srikanth, P., Seshasai, M. V. R & **Shashi, M.**, “Estimation of kharif cropped area using multi-date Risat-1 SAR data”, International Conference on Sustainable Energy and Built Environment, VIT University, March 12-13, 2015.
14. Saloni Jain., Poonam S. Tiwari & **Shashi M.**, “Urban growth assessment using CA Markov Model: A case study of Dehradun City”, 9th International Geographical Union (IGU) Conference on Land use change, climate extremes and Disaster risk reduction, Shaheed Bhagat Singh College, University of Delhi, March 18-20, 2016. (Accepted)

National Conferences:

1. M. V. Ravibabu, Kamal Jain, & **Shashi, M.**, “Hilly Terrain Displacement using ASTER data”, National Conference on Natural Disaster Management and Mitigation using GIS, National Institute of Rural Development, Hyderabad, 9-11 March 2005.
2. Choudhary B. S., Kumar Santosh & **Shashi, M.**, “Influence of Superplasticizer on Paste Backfill for Underground Metal Mines”, National seminar on Underground Metal Mining Status and Prospectus, Puri, 13-15 October, 2011.
3. Anoop, C. K., **Shashi, M.**, Venkata Ratnam, E & Jaya Kumar, K. V., “Surface runoff estimation and water balance studies of Dharmasagar tank using Geographical Information Systems”, National Seminar on Irrigation Technology of Kakatiyas, NIT Warangal, November 8-10, 2013.
4. Agilan, V & **Shashi, M.**, “Measurement of Rana Pratap Sagar reservoir level variations with Satellite Altimetry”, National Symposium on Remote Sensing and GIS for Environment with special emphasis on Marine and Coastal Dynamics, Andhra University, Visakhapatnam, December 4-6, 2013.
5. Naga Sowjanya, P., Venkata Reddy, K & **Shashi, M.**, “Climate change effect on water resources using climate model data of Krishna river basin”, National conference on Climate change and sustainable water resources management (CSWM-2015), NIT Warangal, September 3-5, 2015.
6. Saloni Jain., Rohit Nandan., Poonam, S. Tiwari & **Shashi. M.**, “Accuracy assessment of the segmentation algorithm used in the open source image processing software”, National Conference on Open Source GIS: Opportunities and Challenges, IIT(BHU), October 9-10, 2015
7. Kumar, K., Bhargavi, K., Fyzee, M. A., Shashi, M., Kamireddy, M & Banda, S., “A new approach for segmentation and reclassification of high resolution remote sensing data”, National Symposium on Geomatics for Digital India & Annual Conventions of ISG & ISRS., Jaipur, 16-18 December, 2015 (Poster)

Invited Lectures:

- Lecture on “Principles and basics of Remote Sensing”, Short term training programme on “Remote Sensing and GIS applications in Civil Engineering”, Organised by Mepco Schlenk Engineering College, Tamilnadu, Dec 9-22, 2002, Sponsored by AICTE New Delhi and ISTE New Delhi.

- Lectures on “Precise Levelling”, Six weeks intensive course on “Advanced Mine Surveying”, Indian School of Mines, Dhanbad, during 2010 and 2011.
- Lectures on “Topographical Surveying”, Six weeks intensive course on “Advanced Mine Surveying”, Indian School of Mines, Dhanbad, during 2010 and 2011.
- Lecture on “Photogrammetry”, Advanced Mapping Techniques for Planning and Management of Resources, organized by Department of Civil Engineering under TEQIP Phase-II, National Institute of Technology Warangal, 21-25 May, 2012.
- Keynote address on “Earth Observation Technologies” National workshop on “Earth Observation Technologies and Applications with hands on practice of advance surveying through 3D Laser Scanner, GPS and Total Station with data analysis using GIS” CMR College of Engineering and Technology, Hyderabad, 15-19 October, 2014.
- Lecture on “Total Station: Theory and Practice”, National workshop on “Earth Observation Technologies and Applications with hands on practice of advance surveying through 3D Laser Scanner, GPS and Total Station with data analysis using GIS” CMR College of Engineering and Technology, Hyderabad, 15-19 October, 2014.
- Lecture on “Close Range Photogrammetry”, DST sponsored training program on Geospatial Science and Technology, University College of Engineering and Technology, Acharya Nagarjuna University, 02 November, 2015
- Keynote address on “Advanced Surveying Techniques”, Two day Workshop on Advanced Surveying Techniques, 08 January, 2016
- Lecture on “Principles of Total Station” Two day Workshop on Advanced Surveying Techniques, 09 January, 2016