

## CHANDAN MYSORE CHANDRASHEKAR

Assistant Professor,  
Water Resources & Ocean Engineering (WROE),  
National Institute of Technology Karnataka,  
Surathkal-575025, Karnataka, India.  
[Google Scholar](#) [LinkedIn](#)

[chandanmc@nitk.edu.in](mailto:chandanmc@nitk.edu.in)  
[dr.chandanmc24@gmail.com](mailto:dr.chandanmc24@gmail.com)  
+91-98809 03983  
[Web Page](#)  
[Scopus](#)

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### ACADEMIC POSITIONS:

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| <b>National Institute of Technology Karnataka (NITK) Surathkal, India.</b><br>Assistant Professor, Department of Water Resources & Ocean Engineering (WROE), | <i>Dec 2024-Present</i>                              |
| <b>The National Institute of Engineering (NIE), Mysore, Karnataka, India</b><br>Assistant Professor, Department of Civil Engineering                         | <i>Jan 2021-Dec 2024</i><br><i>Jul 2015-Dec 2016</i> |

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### EDUCATION:

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| <b>Indian Institute of Technology (IIT), Kharagpur, West Bengal, India</b><br>Doctorate in Urban Infrastructure Modelling using Geoinformatics.<br><i>Dissertation: Urban Land Use Modelling and Developing a Framework of Spatial Decision Support System-<br/>for Indian Cities</i><br><i>Advisor: Bharath H Aithal. Committee: Joy Sen, Bhargab Maitra, Arkopal K Goswami</i> | <i>2021</i> |
| <b>National Institute of Technology Karnataka (NITK), Surathkal, India</b><br>Master of Technology in Remote sensing and GIS.  | <i>2015</i> |
| <b>The National Institute of Engineering (NIE), Mysore, Karnataka, India</b><br>Bachelor of Engineering in Civil Engineering.  | <i>2011</i> |

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### AWARDS:

- Best paper award: Water Urbanism and Infrastructure Development in Eco-Sensitive Zones, 2017, Kolkata; Research for Transport and Logistics Industry (R4TLI), 2022, Colombo.
- Sahyadri Ecologist Award, IISc Bangalore, 2018.
- Travel awards: FOSS4G Asia conference, Moratuwa, (2018); Fall Meeting, AGU, USA (2018); 16th International Conference – CUPUM, China (2019).
- Fellowships: Post-graduation education (2013-15); Doctoral research (2017-2021) by the Ministry of Human Resource Development, Govt. of India.

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### PUBLICATIONS LIST

#### Journal Papers:

1. **Chandan, M. C.**, & Bharath, H. A., (2021). Impact assessment of Corridor Oriented development - A case of urban agglomerations of India. *International Review for Spatial Planning and Sustainable Development*, 9(2), 172-194. [https://doi.org/10.14246/irspsdc.9.2\\_172](https://doi.org/10.14246/irspsdc.9.2_172)
2. Bharath, H. A., **Chandan, M. C.**, Vinay, S., & Akshit, S. (2020). Land allocation model using cellular automata to understand housing demand and supply. *Spatial Information Research*, 29, 339–351. <https://doi.org/10.1007/s41324-020-00350-w>
3. **Chandan, M. C.**, Nimish, G. & Bharath, H.A. (2020). Analysing spatial patterns and trend of future urban expansion using SLEUTH. *Spatial Information Research*, 28(1), 11–23. <https://doi.org/10.1007/s41324-019-00262-4>
4. Bharath, H.A., **Chandan, M. C.**, & Nimish, G. (2019). Assessing land surface temperature and land use change through spatio-temporal analysis: A case study of select major cities of India. *Arabian*

5. Bharath, H. A., **Chandan, M. C.**, Vinay, S., & Ramachandra, T. V. (2018). Modelling urban dynamics in rapidly urbanising Indian cities. *The Egyptian Journal of Remote Sensing and Space Science*, 21(3), 201–210. <https://doi.org/10.1016/j.ejrs.2017.08.002> Cite Score: 4.89
6. Bharath, H. A., Vinay, S., **Chandan, M. C.**, Gouri, B. A., & Ramachandra, T. V. (2018). Green to gray: Silicon Valley of India. *Journal of Environmental Management*, 206, 1287– 1295. <https://doi.org/10.1016/j.jenvman.2017.06.072> Impact Factor: 4.005
7. Bharath, H.A., **Chandan, M.C.**, Vinay, S., & Ramachandra, T.V., (2017). Modelling the growth of two rapidly urbanizing Indian Cities. *Indian Journal of Geomatics*, 11(2), 28-46.

#### Book / Chapters:

1. Chandana, S., Hegde, A., Pruthviraj, U., & **Chandan, M. C.** (2024). Examining the effects of vented dams on land use and land cover in the Shambhavi Catchment: a multitemporal sentinel imagery analysis. *Developments in Environmental Science*, 16, 431-454. <https://doi.org/10.1016/B978-0-443-23665-5.00018-1>
2. **Chandan, M. C.**, Nimish, G., & Bharath, H. A. (2021). Analyzing and Predicting Urban Expansion and Its Effects on Surface Temperature for Two Indian Megacities: Bengaluru and Chennai. In: Sharma, P. (Ed.) *Geospatial Technology and Smart Cities* (pp. 93-116). Springer, Cham. [https://doi.org/10.1007/978-3-030-71945-6\\_6](https://doi.org/10.1007/978-3-030-71945-6_6)
3. Prakash P.S., Nimish G., **Chandan M.C.**, Bharath H.A. (2021). Urbanization: Pattern, Effects and Modelling. In: Bandyopadhyay M., Rout M., Chandra Satapathy S. (eds) *Machine Learning Approaches for Urban Computing*. *Studies in Computational Intelligence*, (pp. 1-21) vol 968. Springer, Singapore. [https://doi.org/10.1007/978-981-16-0935-0\\_1](https://doi.org/10.1007/978-981-16-0935-0_1)
4. Bharath, H. A., Nimish, G., & **Chandan, M. C.** (2020). Exposition of spatial urban growth pattern using PSO-SLEUTH and identifying its effects on surface temperature. In: Verma, P. et al., (Eds.) *Urban Ecology* (pp. 49–68). Elsevier. <https://doi.org/10.1016/b978-0-12-820730-7.00004-5>
5. Ramachandra, T. V., Bharath, H. A., Vinay, S., & **Chandan, M. C.** (2020). Simulation and Modelling the Urban Dynamics in Bangalore. In: Rukmana, D. (Ed.) *The Routledge Handbook of Planning Megacities in the Global South*. New York: Routledge. <https://doi.org/10.4324/9781003038160>
6. **Chandan, M. C.**, Bharath, H. A., & Ramachandra, T. V. (2020). Four book chapters\*. In: Bharath, H. A., & Ramachandra, T. V. (Eds.) *Urban Growth Patterns in India: Spatial Analysis for Sustainable Development*, first edition. Boca Raton, FL: CRC Press. <https://doi.org/10.1201/9780429275319>
7. Bharath, H. A., **Chandan, M. C.**, Vinay, S., & Ramachandra, T. V. (2018). Urbanization in India: Patterns, Visualization of Cities, and Greenhouse Gas Inventory for Developing an Urban Observatory. In: Weng, Q., Quattrochi, D. & Gamba, P. (Eds.) *Urban remote sensing*, second edition (pp. 151-171). Boca Raton, FL: CRC Press. <https://doi.org/10.1201/9781138586642>

#### Conference Papers:

1. **Chandan, M. C.**, Shreyanka, M., Nikitha, K., Tejashvi Swamy, Pramath Rathithara H. P, Kul Vaibhav Sharma (2024). Mysuru 2034: An Integrated Geoinformatics Approach for Real Estate Valuation and Urban Growth. Paper presented at FOSS4G Asia 2024 conference, Srinakharinwirot University, Bangkok, Thailand, 15-18 December, 2024.
2. **Chandan, M. C.**, Pooja, K., Pratham, G., Vickey, R. H., Prithvi Raj, G.S. (2024). Predictive Analysis of LULC Dynamics for Area Under Submergence and its Environmental Impacts for the Mekedatu Reservoir. Paper presented at FOSS4G Asia 2024 conference, Srinakharinwirot University, Bangkok, Thailand, 15-18 December, 2024.
3. Gireesh, A.B., & **Chandan, M.C.** (2024). Estimation of Groundwater Potential Zones in Southern Dry Agro-Climatic Area Using Geoinformatics and AHP Technique. In: Mesapam, S., Ohri, A., Sridhar, V., Tripathi, N.K. (eds) *Developments and Applications of Geomatics*. DEVA 2022. *Lecture Notes in Civil Engineering*, vol 450. Springer, Singapore. [https://doi.org/10.1007/978-981-99-8568-5\\_14](https://doi.org/10.1007/978-981-99-8568-5_14)
4. Suhas, S., Bhavani, V., Vishwanath, B.M., Krishna, R., Chandan, M.C. (2024). Urban Dynamics and

- Impact Assessment of Bengaluru–Mysuru Expressway Corridor. In: Mesapam, S., Ohri, A., Sridhar, V., Tripathi, N.K. (eds) Developments and Applications of Geomatics. DEVA 2022. Lecture Notes in Civil Engineering, vol 450. Springer, Singapore. [https://doi.org/10.1007/978-981-99-8568-5\\_38](https://doi.org/10.1007/978-981-99-8568-5_38)
5. Chandana, S. & **Chandan, M. C.** (2023). Hydrological Implications of LULC Changes in the Netravathi River Basin: Insights From SWAT Modeling and Machine Learning Techniques. Paper presented at IEEE The India Geoscience and Remote Sensing Symposium (InGARSS), IIT Bangalore, 10-13 December, 2023. <https://doi.org/10.1109/InGARSS59135.2023.10490324>
  6. Madumita D., Prakash P.S., **Chandan M. C.**, Bharath H. A. (2022). Land-use Change Dynamics and Automated Feature Extraction Using High-resolution Satellite Imagery. [Paper presented at Research for Transport and Logistics Industry \(R4TLI\) - 2022](#), Colombo, Sri Lanka, Virtual Conference: 27 August, 2022 – [Best Paper Award](#).
  7. Rajeshwari, N., Manasa, G., Meghraj, S., Nikesh, B. C., Vedaprada, R., & **Chandan, M. C.** (2021). Spatio-Temporal Dynamics Of Chamarajanagar Region, Karnataka. Paper presented at [FOSS4G Asia 2021](#), Kathmandu University, Dhulikhel Nepal, Virtual Conference: 01-02 October, 2021.
  8. Sushma, M. N., Malavika Prakash, Pratheepa, H. D, Imtitong Kichu & **Chandan, M. C.** (2021). Developing Spatial Data Visualization System Using Open Source Tools: A Case of Mysuru City, Karnataka. Paper presented at [FOSS4G Asia 2021](#), Kathmandu University, Dhulikhel Nepal, Virtual Conference: 01-02 October, 2021.
  9. Bhavani, V., Suhas, S., Bharath Kumar, D. P., Vishwanatha, B. M., & **Chandan, M. C.** (2021). Web based Spatial Planning and Decision Support System. Paper presented at [FOSS4G Asia 2021](#), Kathmandu University, Dhulikhel Nepal, Virtual Conference: 01-02 October, 2021.
  10. Abhimanyu, S., **Chandan, M. C.**, & Bharath, H. A. (2020). Urban Growth Analysis and Modelling Based on Socio-Economic Agents Using Cellular Automata. Paper presented at IEEE International India Geoscience and Remote Sensing Symposium 2020, Ahmedabad, India, Virtual Symposium: 02-05 December, 2020.
  11. **Chandan, M. C.**, Abhimanyu, S. & Bharath, H. A. (2020). Land Use Analysis and Modelling Based on Agents Using Cellular Automata. Paper presented at 41<sup>st</sup> Asian Conference on Remote Sensing, Deqing, China, Virtual Symposium: 09-11, November, 2020.
  12. **Chandan, M. C.**, Aadithyaa, J. S., & Bharath, H. A. (2020). Integration of Genetic Algorithm and Agent Based Model to Visualize Near Realistic Sustainable Urban Growth: A Comparative Study. Paper presented at 2020 IEEE International Geoscience and Remote Sensing Symposium, Hawaii, USA, Virtual Symposium: 26 September – 02 October, 2020.
  13. **Chandan, M. C.**, & Bharath, H. A. (2019). Assessing Spatial Forms of Urban Expansion Through Spatio-Temporal Metrics and Modelling Future Trends. Paper presented at The International Conference on Future Cities, Indian Institute of Technology, Roorkee: 11-13 December, 2019.
  14. Nimish G., **Chandan M. C.**, & Bharath H. A. (2019). Relationship between Urban Land Use Dynamics and Land Surface Temperature: Current and Future Scenario Modelling. Paper presented at 5th International Conference on Countermeasures to Urban Heat Islands (IC2UHI), Hyderabad, India: 2-4 December, 2019.
  15. **Chandan, M. C.**, Aadithyaa, J. S., Prakash, P. S., & Bharath, H. A. (2019). Machine Learning for Building Extraction and Integration of Particle Swarm Optimization with Sleuth for Urban Growth Pattern Visualisation for Livable Cities. Paper presented at 55th ISOCARP World Planning Congress, Jakarta-Bogor, Indonesia: 9-13 September, 2019.
  16. **Chandan, M. C.**, & Bharath, H. A. (2019). Quantitative Measurement, Analysis of Land Use Change through Spatio-Temporal Pattern and Modelling. Paper presented at 16th International Conference on Computers in Urban Planning and Urban Management, Wuhan, China: 8-12 July, 2019.
  17. Akshit, S., **Chandan, M. C.**, Bharath, H. A. (2019). Housing Allocation Model to Understand Housing Demand and Supply. Paper presented at 49th Annual Conference of Urban Affairs Association, Los Angeles, California: 24-27 April, 2019.
  18. Bharath, H. A., **Chandan, M. C.**, Nimish, G. (2018). Addressing sustainable agenda challenge through analysis of LST, GHG emissions and visualisation of urban growth in Megacities of India, Abstract [GH22A-09] presented at 2018 Fall Meeting, AGU, Washington, D.C.: 10-14 December, 2018.

19. **Chandan, M. C.**, Nimish, G., Bharath, H. A. (2018). Analyzing Urban Spatial Patterns and Trend of Future Urban Expansion Using SLEUTH. Paper presented at FOSS4G Asia 2018 conference, Moratuwa, Sri Lanka: 2-5 December, 2018.
20. **Chandan, M. C.**, Bharath, H. A. (2018). Analysis and modelling of impervious land-use expansion using remote sensing and GIS in Coimbatore, India. Paper presented at Biennial Symposium-Lake 2018: Conference on Conservation and Sustainable Management of Riverine Ecosystems, Moodbidri: 22-25 November, 2018.
21. Nimish, G., **Chandan, M. C.**, Bharath, H. A. (2018). Understanding Current and Future Land use Dynamics with Land Surface Temperature Alterations: A Case Study of Chandigarh, ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci., IV-5, 79-86, <https://doi.org/10.5194/isprs-annals-IV-5-79-2018>
22. **Chandan, M. C.**, & Bharath, H. A. (2018). Modelling Urban transition using Cellular Automata based Sleuth modelling. In 2018 IEEE Symposium Series on Computational Intelligence (SSCI), 1656-1663, <https://doi.org/10.1109/SSCI.2018.8628940>
23. Gaurav, S., **Chandan, M. C.**, Dharini, J., Bharath, H.A. (2018). Combined Spatial Multi- Criteria Approach for Assessing and Mapping Urban Flood Vulnerable Zones in Capital Region of India. Paper presented at IEEE International Conference for Convergence in Technology, Pune: 6-8 April 2018.
24. **Chandan, M. C.**, Dharini, J., Bharath, H. A. (2017). Understanding Resilience and Sustainable Urban Growth through Land Use Simulation: Case Study of Emerging Metrocity of India. Paper presented at ASCE India Conference, New Delhi: 12-14 December 2017. In Urbanization Challenges in Emerging Economies. American Society of Civil Engineers: 657- 669. <https://doi.org/10.1061/9780784482032.066>
25. Nimish, G., Shafia A., **Chandan, M. C.**, Bharath H. A. (2017). Monitoring land use/cover change and land surface temperature. Paper presented at 2nd Regional Science & Technology Congress (Western Region), The University of Burdwan, West Bengal: 16-17 November, 2017.
26. Dharini, J., **Chandan, M. C.**, Bharath H. A. (2017). Exposition of land use dynamics of Coimbatore city using Geoinformatics". Paper presented at 2nd Regional Science & Technology Congress (Western Region), The University of Burdwan, West Bengal: 16-17 November, 2017.
27. **Chandan, M. C.**, Gaurav, S., Bharath H. A. (2017). Urban growth characterization using geospatial technologies. Paper presented at 2nd Regional Science & Technology Congress (Western Region), The University of Burdwan, West Bengal: 16-17 November, 2017.
28. **Chandan, M. C.**, Bharath, H. A. Ramachandra, T. V. (2017). Integrated Approach to Visualize Urban Growth: Case Study of Rapidly Urbanising City. Paper presented at International Symposium on Water Urbanism and Infrastructure Development in Eco- Sensitive Zones, Kolkata: 6-7 January, 2017.
29. **Chandan, M. C.**, Vinay, S., Bharath, H. A., Ramachandra, T. V. (2016). Land Use Assessment and Urban Growth Monitoring in Hyderabad Region, India. Paper presented at Biennial Symposium-Lake 2016: Conference on Conservation and Sustainable Management of Ecologically Sensitive Regions in Western Ghats: 28-30 December, 2016.
30. Ramachandra, T. V., **Chandan, M. C.**, Bharath H. A., Vinay, S., Jeffery, M. Sellers, Venugopala, K. Rao. (2015). Monitoring and Modelling Patterns of Urban Growth in Chennai, India. Proceedings of National Remote Sensing Center, ISRO, Hyderabad, User Interaction Meet: 21-22 January, 2015.
31. **Chandan, M. C.**, Bharath, H. A., Ramachandra, T. V. (2014). Quantifying Urbanisation using Geospatial Data and Spatial Metrics – A case study of Madraspattinam. Paper presented at Biennial Symposium-Lake 2014: Conference on Conservation and Sustainable Management of Wetland Ecosystems in Western Ghats: 13-15 November, 2014.
32. Chandramouli, P. N., Sumaraj, Madhushree A.R., **Chandan, M. C.**, Manoj K.G (2011). Estimation of retention parameters using pressure plate extractor data. Paper presented at National Conference on Recent Developments in Civil Engineering, Vidya Vikas Institute of Engineering & Technology at Mysore, Karnataka.

### Online Media

1. <http://swaut.co.in/> – Lead researcher for the web portal. The Spatial Web-based Analysis of Urban Transition (SWAUT) portal provides city level spatio-temporal information and pattern of rapid urban development. The portal is jointly developed with the guidance of Dr. Bharath H Aithal, EURG, IIT Kharagpur.
2. [Citizen Matters](#) - Urbanisation and temperature trends - Land surface temperatures in Chennai: Which areas have become hotter and why?
3. [Citizen Matters](#) - Urbanisation and temperature trends - Bengaluru's climate no longer cool. Here's why.

### Poster, Invited Seminars and Talks

1. All India Radio-Aakashvani Mysuru FM 100.6 - Vigyana Bharathi series - "[Remote Sensing and GIS](#)" - 21-July-2022.
2. FDP on Research Tools & Techniques in Architecture & Planning – Amity University – "[Mapping Technique – Going the Digital Way](#)" 24-28-March-2022.
3. IEEE GRSS Chapter Bangalore Section - "[Indian Cities – Spatio temporal evolution and growth analysis using open source Geospatial data](#)" - 29 October 2021.
4. AICTE Training and Learning (ATAL) Academy FDP -"[Remote Sensing and GIS](#)" at KLS Gogte Institute of Technology, Belagavi - 13-17 September 2021.
5. [Mahatma Gandhi NREGA at ANSIRD](#), Mysore - 22-23, March 2021.
6. School of Human Settlements, Xavier University, Bhubaneswar – "[Urban Symposium](#)" - 9 February 2021.
7. NITK Alumni Meet – "[Remote Sensing, GIS and Research Opportunities](#)" – 26-September-2020.
8. Bharath, H. A., *Chandan, M. C.*, Nimish, G. and Prakash, P. S. (2018). Modelling and Characterizing Urban Growth Pattern in Silicon Valley: Establishing a Relationship with LST and Building Footprint, Abstract [NH43B-2989] poster presented at 2018 Fall Meeting, AGU, Washington, D.C., 10-14 December, 2018.
9. *Chandan, M. C.*, Sudeep, V. B., Bharath, H. A. (2018). Exploring Spatial Trends of Urban Growth and Modelling the Change of Land Use in Varanasi: A Case of Spiritual Capital of India. Poster presented at National Symposium on Sustainable Cities: Planning & Designing for Green Urban Mobility, IIT-Kharagpur: 1-3 November, 2018.
10. *Chandan, M. C.*, Aishwarya, N., Bharath H. A. (2017). Multi-Temporal Urban Growth Characterization Using Geospatial Technologies. Poster presented at Asian Conference on Remote Sensing, New Delhi, India: October 23-27, 2017.
11. CiSTUP, IISc - "Urban issues in Chennai- A remote sensing approach to address urbanisation and its effects on surrounding environment with the help of land use and land cover analysis accompanied by spatial metrics" - February 2015.
12. Larsen and Toubro, C-TEA Mysore campus – "Global positioning systems-A civil engineer's perspective, Basics and advances in foundation and Surveying practices for Civil Engineering" - December 2015 – October 2016.

### Resource Person at International Events:

- FOSS4G Asia 2024 conference, Srinakharinwirot University, Bangkok, Thailand – Workshop instructor – "[Web-Based Spatial Decision Support System \(SDSS\) Using Geoserver](#)" - 15 December, 2024.
- OSGeo Korean Chapter – Workshop instructor – "[Urban modelling using cellular automata-based SLEUTH](#)" – 12-Nov-2020.
- MHRD, Government of India - Teaching assistant – "[Geographic Information Systems](#)" – 27-Jan – 17-Apr-2020.
- AICTE, IISc-Bangalore - Invited speaker – "[FOSS4G for Natural Resources Management](#)" - 27-31 May, 2019.
- AICTE, IIT Kharagpur – Hands-on session trainer – "[FOSS for Urban Planning](#)" - 27-31 May, 2019.
- FOSS4G Asia and University of Moratuwa, Sri Lanka. Funded by CSIR, Government of India - Workshop instructor – "[FOSS4G Asia conference](#)" - 02-05 Dec, 2018.
- CiSTUP, Indian Institute of Science, ISRO and OSGEO -India - Member of the organizing committee and hands-on trainer – "[FOSS4G for urban environment applications](#)" - 1-5 Apr, 2015.

## Short Term Courses / FDP / SDP Organized:

- Coordinator of Five days FDP on “[Emerging Trends in UAV and Practical Applications](#)” held during 16-20, Jan, 2024 funded by IEEE GRSS Bangalore Section and Department of Civil Engineering, The National Institute of Engineering (NIE), Mysuru.
- Coordinator of Five days FDP on “[Research Insights in Civil Engineering \(RICE-2023\)](#)” held during 24-28, July, 2023 funded by Department of Civil Engineering, The National Institute of Engineering, Mysuru.
- Coordinator of Five days Summer School/SDP on “[New Horizons in Remote Sensing: Basics and Beyond](#)” held during 08-12, Aug, 2023 funded by IEEE GRSS Bangalore Section and Department of Civil Engineering, NIE, Mysuru.
- Coordinator of one day National webinar on “[Floodplain analysis and Mapping](#)” held during 08, Oct, 2021 funded by DHI India and Department of Civil Engineering, NIE, Mysuru.

## Certificate Courses:

- Certified [IUCEE International Engineering Educator Certification Program](#), Spring 2024.
- Successfully completed ISRO sponsored course on “[Urban Flood Modelling in a Changing Climate](#)” at BITS Pilani, Hyderabad Campus, June, 2024.
- Successfully completed “[Programming for Everybody \(Getting Started with Python\)](#)” an online non-credit course authorized by University of Michigan and offered through Coursera, Apr, 2024.
- Successfully completed two weeks course on “[Remote Sensing and GIS Applications in Agricultural Water Management](#)” sponsored by IIRS, Indian Space Research Organization (ISRO), Sep, 2023.
- Qualified NPTEL-AICTE 12 Weeks FDP on “[NBA Accreditation and Teaching and Learning in Engineering \(NATE\)](#)”, Jan-Apr, 2022.
- Awarded grade “A” in a three credit course “[Environment Management](#)” conducted by CCE, IISc during September – December 2014.

## COMPUTER SKILLS

**GIS Applications and modelling:** R, ArcGIS, Open jump, Geoserver, Quantum GIS, SLEUTH and Idrisi.

**Remote sensing and image processing applications:** R, Erdas Imagine, WebODM, eCognition, Grass GIS, HEC-RAS, HEC-HMS.

**Programming:** C, Python for Geospatial applications, Google Earth Engine, HTML, CSS, Java; Other Software: Auto Cadd, Revit 3D, Solid Edge.

## TEACHING EXPERIENCE

Teaching at The National Institute of Engineering, Mysore and Indian Institute of Technology, Kharagpur ([Link](#)).

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## Related Professional Experience:

**Sobha Developers Limited**  
*Management Trainee*

**Bangalore, India**

**July 2011-Aug 2012**

- Led the residential project “Cinnamon” High rise residential apartments.
- Manage, account, costing, training and supervise construction work.

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## REVIEWER

- Indian Society of Remote Sensing
- Journal of Environmental Management
- International Journal of Remote Sensing
- Journal of Cleaner Production
- Letters in Spatial and Resource Sciences
- Asian Geographer
- Geo-spatial Information Science
- International Review for Spatial Planning and Sustainable Development
- Kybernetes

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**Languages:** Kannada (native), English, Hindi and Deutsch (intermediate spoken).

**Membership of Professional Bodies:** Institute of Electrical and Electronics Engineers ([IEEE – Senior Member](#)) and Geoscience and Remote Sensing Society (GRSS), International Society for Photogrammetry and Remote Sensing ([ISPRS](#)), Indian Society of Remote Sensing ([ISRS](#)), Indian Meteorological Society ([IMS](#)).

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## REFERENCES

**T. V. Ramachandra**

Senior Scientific Officer and Coordinator  
TE-15, 3rd Floor, Energy & Wetlands Research Group  
Centre for Ecological Sciences  
Indian Institute of Science, Bangalore 560012, India.  
+91-80-22933099  
[tvr@iisc.ac.in](mailto:tvr@iisc.ac.in)

**Bharath H. Aithal**

Associate Professor and Ph.D Thesis Advisor  
RCG School of Infrastructure Design and Management,  
Indian Institute of Technology Kharagpur 721302, India.  
[bharath@infra.iitkgp.ac.in](mailto:bharath@infra.iitkgp.ac.in)

**Rahul Dev Garg**

Professor,  
Geomatics Engineering  
Indian Institute of Technology, Roorkee, India.  
[rdgarg@ce.iitr.ac.in](mailto:rdgarg@ce.iitr.ac.in)

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