

Curriculum Vitae

Dr. T. N. Veerendra Ganugula



Contact Information

Designation: Assistant Professor, Department of Civil Engineering

In-Charge: Water Environment & Land Research Centre (W.E.L)

Institution: Seshadri Rao Gudlavalleru Engineering College, Andhra Pradesh, India

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Google Scholar ID: [F0mHw64AAAAJ](https://scholar.google.com/citations?user=F0mHw64AAAAJ)

ORCID ID: [0000-0002-2325-0243](https://orcid.org/0000-0002-2325-0243)

Vidwan-ID : 197861

Personal Profile

Dynamic academic professional with more than **12 years of teaching and research experience** in Civil Engineering, Construction Management, and Digital Transformation. Holds a **Ph.D. in Civil Engineering** with expertise in **Machine Learning, Python Programming, Sustainability Analytics, Remote Sensing and GIS**, and interdisciplinary environmental studies.

Recognized for leadership in curriculum design, academic quality assurance, and accreditation at national and international levels. Successfully mentored numerous student research projects and collaborated on funded R&D initiatives focusing on **BIM, Sustainable Design, Water Quality Modeling, and Digital Twin Technology**.

Published **48 peer-reviewed papers** (Scopus / Web of Science indexed) and actively contributes to multidisciplinary collaborations with institutions in India and abroad. Dedicated to advancing innovation in higher education through data-driven research, global collaboration, and sustainable engineering practices.

II. Educational Qualifications

Degree / Programme	Institution / University	Year of Completion	Remarks / Specialization
Ph.D. in Civil Engineering	<i>Annamalai University,</i> Chidambaram, Tamil Nadu, India	2023 (Awarded July 2023)	<i>Thesis Title:</i> Development of an Artificial Intelligence System for Forecasting Surface Water Quality Parameters in a part of Krishna District, Andhra Pradesh, India. Key Objectives: Preparation of thematic resource maps using RS & GIS; AI systems for water quality forecasting; model validation and future parameter prediction.
PG (QIP) Programme in Data Science and Quantum Computing	<i>ABV-IIITM, Gwalior (India)</i> – AICTE Faculty Improvement Programme	Pursuing (2025)	Sponsored under AICTE Quality Improvement Programme (QIP).
M.S. in Construction Project Management	<i>University of Glamorgan (University of South Wales), U.K.</i>	2012	<i>Dissertation:</i> Building Information Modeling & Construction Project Management. Vice-Captain, University Volleyball Team.
B. Tech in Civil Engineering	<i>Koneru Lakshmaiah College of Engineering (Vijayawada, India)</i>	2010	Graduated in Top 20 % of class. Special interest in Structural and Environmental Engineering.

III. Employment History

Position	Institution / Organization	Duration	Roles & Responsibilities
Assistant Professor, Department of	<i>Seshadri Rao Gudlavalleru Engineering</i>	2013 – Present (12 Years)	Teaching UG & PG courses in Civil Engineering; leading Research Centre (Water Environment & Land – W.E.L.); curriculum development and

Position	Institution / Organization	Duration	Roles & Responsibilities
Civil Engineering	College, Andhra Pradesh, India		accreditation activities (NAAC, NBA); guiding student research projects; coordinating R&D grants and industry collaborations.

IV. Research Areas of Expertise

- **Water Quality Modeling and Environmental Analytics** – Development of AI and ML models (ARIMA, VAR, Neural Networks) for surface water quality prediction.
- **Remote Sensing and GIS Applications** – Spatial mapping and resource analysis for sustainable urban and rural water systems.
- **Building Information Modeling (BIM) and Digital Twin Technology** – Simulation and energy-efficiency analysis for sustainable infrastructure.
- **Construction Project Management** – Project planning, time–cost analysis, and productivity optimization.
- **Sustainability & Life-Cycle Assessment** – Assessment of materials and structures for energy, carbon, and circular economy optimization.
- **Data Science Applications in Civil Engineering** – Integration of Python, AI, and IoT for smart infrastructure and environmental forecasting.

V. Research Projects / Grants

Title of the Project	Funding Agency / Scheme	Amount (₹ / USD)	Status	Year
Generation of Resource Maps of Krishna District, India using R.S. & G.I.S.	Seshadri Rao Gudlavalleru Engineering College (Internal R&D Grant)	₹ 2,30,000 / (≈ USD 3,092)	Completed	2017
Generation of Large-Scale Spatial Database of Amaravathi (APCRDA), Andhra Pradesh using	Seshadri Rao Gudlavalleru Engineering College (Internal R&D Grant)	₹ 95,000 / (≈ USD 1,277)	Completed	2019

Title of the Project	Funding Agency / Scheme	Amount (₹ / USD)	Status	Year
RS & GIS and Conventional Technologies				
Bio-Sorbent-Based Water Treatment for Removal of Contaminants	DST – Department of Science & Technology, Government of India	₹ 75,00,000 / (≈ USD 93,750)	Applied – Under Review	2023

VI. Patent Filed

Title of the Patent	Inventors	Application No. / Filing Date	Status & Publication	Remarks / Index Info
Multi-Stage Filtration System and Method for Treating Industrial Wastewater Using Biosorbents	Dr. G. T. N. Veerendra, Dr. Subhashish Dey, Dr. G. Venkata Jagadeesh, A. V. Phani Manoj, P. S. Anjaneya Babu, A. Swetha, M. L. Pallavi, Dr. G. Reddy Babu, B. D. S. Manikanta (<i>Applicant Institute:</i> Seshadri Rao Gudlavalluru Engineering College)*	202541045669	Filed on: 12 May 2025 Published (U/S 11A): 30 May 2025 RFE Date: 13 May 2025	Application Status: Awaiting Examination (IPO India) Field: Chemical / Environmental Engineering (Biosorbent Technology)

Official Source:

Indian Patent Office (IP India) — [Application No. 202541045669](#)

Title of the Patent	Status	Patent Office Reference
<i>Fiber Glass-Based System for Reinforcing Concrete Panels</i>	Under Examination	Indian Patent Search – Application View

VII. Publications

1. Dey, A. V. Phani Manoj, and E. J. Mantle, “Building Information Modelling – Simulation and Analysis of a University Edifice and Its Environs — A Sustainable Design Approach,” *Green Technologies and Sustainability*, vol. 100, p. 100150, 2025. (Scopus Q1 | ESCI | KeAi

Publishing – Elsevier)

DOI: [10.1016/j.grets.2024.100150](https://doi.org/10.1016/j.grets.2024.100150)

2. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, B. P. S. S. Anjaneya Babu, and A. H. L. Swaroop, “Synthesize and Applications of Green Custard Apple Leaves Biosorbents for Adsorptions of Sulphates and Fluorides from Water,” *Environmental Surfaces and Interfaces*, 2025. (**Scopus Q1 | Elsevier**)
DOI: [10.1016/j.esi.2024.11.001](https://doi.org/10.1016/j.esi.2024.11.001)
3. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, B. P. S. S. Anjaneya Babu, and A. H. L. Swaroop, “Synthesize and Applications of Green Custard Apples Leaves Biosorbents for Adsorptions of Sulphates and Fluorides from Water,” *Environmental Surfaces and Interfaces*, 2024. (**Scopus Q1 | Elsevier**)
DOI: [10.1016/j.esi.2024.11.001](https://doi.org/10.1016/j.esi.2024.11.001)
4. **G. T. N. Veerendra**, S. Dey, A. V. Phani Manoj, Siva, and E. J. Mantle, “Material Estimation and Energy Analysis for a Domestic Building Using Revit Architecture and Insight: A Sustainable Approach,” *Asian Journal of Civil Engineering*, 2024. (**Scopus Q2 | Springer Nature**)
DOI: [10.1007/s42107-024-00988-z](https://doi.org/10.1007/s42107-024-00988-z)
5. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, and P. S. S. A. Babu, “Removal of Chlorides and Hardness from Contaminated Water by Using Various Biosorbents: A Comprehensive Review,” *Water–Energy Nexus*, vol. 7, pp. 39–76, 2024. (**Scopus Q2 | Elsevier**)
DOI: [10.1016/j.wen.2024.01.003](https://doi.org/10.1016/j.wen.2024.01.003)
6. V. P. M. Akula, **G. T. N. Veerendra**, S. Dey, and others, “Flexural Behavior of Cold-Formed Steel with and without Lips: A Theoretical, Experimental and Numerical Study of ‘Hat’ and ‘Z’ Sections,” *Innovative Infrastructure Solutions*, vol. 9, p. 221, 2024. (**Scopus Q2 | Springer**)
DOI: [10.1007/s41062-024-01544-z](https://doi.org/10.1007/s41062-024-01544-z)
7. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, S. S. A. B. Padavala, and A. H. L. Swaroop, “Development and Applications of Different Types of Green Biosorbents for Eliminations of Hardness from Water: A Review on Treatment, Kinetics Mechanism and Future Scope,” *Advances in Biomarker Sciences and Technology*, vol. 6, pp. 265–299, 2024. (**Scopus Q2 | Elsevier**)
DOI: [10.1016/j.abst.2024.11.001](https://doi.org/10.1016/j.abst.2024.11.001)
8. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, and B. P. S. S. A. Babu, “Synthesis of Various Types of Green Biosorbent Materials for Removal of Sulphates from Contaminated Water for Better Aquatic Environments,” *Waste Management Bulletin*, 2024. (**Scopus Q2 | Elsevier**)
DOI: [10.1016/j.wmb.2024.09.006](https://doi.org/10.1016/j.wmb.2024.09.006)

9. M. L. Pallavi, S. Dey, **G. T. N. Veerendra**, S. S. A. B. Padavala, and A. V. P. Manoj, “Optimizing the Bituminous Pavement Constructions with Waste Plastic Materials to Improve Road Construction Performance and Future Applications,” *AI in Civil Engineering*, vol. 3, no. 1, 2024. (**Scopus Q1** | **Springer**)
DOI: [10.1007/s43503-024-00035-5](https://doi.org/10.1007/s43503-024-00035-5)
10. V. V. P. Kumar, S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, and P. S. S. A. Babu, “A Systematic Analysis of Binary Blend Cement Concrete Infused with Lime Sludge and Fly Ash,” *Chemistry of Inorganic Materials*, vol. 2, p. 100065, 2024. (**Scopus Q2** | **Elsevier**)
DOI: [10.1016/j.cinorg.2024.100065](https://doi.org/10.1016/j.cinorg.2024.100065)
11. **G. T. N. Veerendra**, S. Dey, A. V. Phani Manoj, and E. J. Mantle, “Building Information Modelling – Simulation and Analysis of a University Edifice and Its Environs — A Sustainable Design Approach,” *Green Technologies and Sustainability*, vol. 100, p. 100150, 2023. (**Scopus Q1** | **KeAi Publishing – Elsevier**)
DOI: [10.1016/j.grets.2024.100150](https://doi.org/10.1016/j.grets.2024.100150)
12. S. Dey, **G. T. N. Veerendra**, P. S. S. A. Babu, and A. V. Phani Manoj, “Performances of Plant Leaf Biosorbents for Biosorption of Phosphorous from Synthetic Water,” *Cleaner Materials*, vol. 8, p. 100191, 2023. (**Scopus Q1** | **Web of Science – SCIE** | **Elsevier**)
DOI: [10.1016/j.clema.2023.100191](https://doi.org/10.1016/j.clema.2023.100191)
13. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, and P. S. S. A. Babu, “Degradation of Plastics Waste and Its Effects on Biological Ecosystems: A Scientific Analysis and Comprehensive Review,” *Biomedical Materials & Devices*, 2023. (**Web of Science – SCIE** | **Springer Nature**)
DOI: [10.1007/s44174-023-00085-w](https://doi.org/10.1007/s44174-023-00085-w)
14. **G. T. N. Veerendra**, B. Kumaravel, and P. K. R. Rao, “Forecasting Models for Surface Water Quality Using Predictive Analytics,” *Environment, Development and Sustainability*, vol. 26, no. 6, pp. 15931–15951, 2023. (**Scopus Q1** | **Web of Science – SCIE** | **Springer Nature**)
DOI: [10.1007/s10668-023-03280-3](https://doi.org/10.1007/s10668-023-03280-3)
15. S. Dey, **G. T. N. Veerendra**, O. Aparna, and A. V. Phani Manoj, “A Systematic Analysis of Retrofitting Tools in Residential Buildings to Improve Energy Performances Using the STAAD Pro Software,” *Innovative Infrastructure Solutions*, vol. 8, p. 221, 2023. (**Scopus Q2** | **Web of Science – SCIE** | **Springer Nature**)
DOI: [10.1007/s41062-023-01192-9](https://doi.org/10.1007/s41062-023-01192-9)
16. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, and P. S. S. A. Babu, “Evaluate the Use of Flower Waste Biosorbents for Treatment of Contaminated Water,” *Water–Energy Nexus*, vol. 6,

p. 11001, 2023. (**Scopus Q2 | Elsevier**)

DOI: [10.1016/j.wen.2023.11.001](https://doi.org/10.1016/j.wen.2023.11.001)

17. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, and S. S. A. B. Padavala, "Performance Evaluation of Ternary Blended Cement Concrete Partially Replacing Natural Sand with Granite Quarry Dust," *Hybrid Advances*, vol. 4, p. 100082, 2023. (**Scopus Q2 | Elsevier**)

DOI: [10.1016/j.hybadv.2023.100082](https://doi.org/10.1016/j.hybadv.2023.100082)

18. G. K. Babu, K. V. Rao, S. Dey, and **G. T. N. Veerendra**, "Performance Studies on Quaternary Blended Geopolymer Concrete," *Hybrid Advances*, vol. 2, p. 100019, 2023. (**Scopus Q2 | Elsevier**)

DOI: [10.1016/j.hybadv.2023.100019](https://doi.org/10.1016/j.hybadv.2023.100019)

19. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, and P. S. S. A. Babu, "Recycling of E-Waste Materials for Controlling Environmental and Human Health Degradation in India," *Green Analytical Chemistry*, vol. 2, p. 100085, 2023. (**Scopus Q1 | Elsevier**)

DOI: [10.1016/j.greeac.2023.100085](https://doi.org/10.1016/j.greeac.2023.100085)

20. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, and P. S. S. A. Babu, "Performances of Plant Leaf Biosorbents for Biosorption of Phosphorous from Synthetic Water," *Cleaner Materials*, vol. 8, p. 100191, 2023. (**Scopus Q1 | Elsevier**)

DOI: [10.1016/j.clema.2023.100191](https://doi.org/10.1016/j.clema.2023.100191)

21. S. Dey, N. S. A. Kotaru, **G. T. N. Veerendra**, and A. Sambangi, "The Removal of Iron from Synthetic Water by the Applications of Plant Leaf Biosorbents," *Cleaner Engineering and Technology*, vol. 9, p. 100530, 2022. (**Scopus Q1 | Elsevier**)

DOI: [10.1016/j.clet.2022.100530](https://doi.org/10.1016/j.clet.2022.100530)

22. S. Dey, A. Sreenivasulu, **G. T. N. Veerendra**, A. V. Phani Manoj, and N. Haripavan, "Synthesis and Characterization of Mango Leaves Biosorbents for Removal of Iron and Phosphorous from Contaminated Water," *Applied Surface Science Advances*, vol. 11, p. 100292, 2022. (**Scopus Q1 | Elsevier**)

DOI: [10.1016/j.apsadv.2022.100292](https://doi.org/10.1016/j.apsadv.2022.100292)

23. S. Dey, U. Pallavi, S. Arunchaitanya, N. Haripavan, and **G. T. N. Veerendra**, "Recycling of Solid Waste Biosorbents for Removal of Nitrates from Contaminated Water," *Cleaner and Circular Bioeconomy*, vol. 2, p. 100014, 2022. (**Scopus Q1 | Elsevier**)

DOI: [10.1016/j.clcb.2022.100014](https://doi.org/10.1016/j.clcb.2022.100014)

24. S. Dey, A. Sreenivasulu, **G. T. N. Veerendra**, K. V. Rao, and P. S. S. A. Babu, "Renewable Energy Present Status and Future Potentials in India: An Overview," *Innovation and Green*

Development, vol. 1, no. 1, p. 100006, 2022. (Scopus Q2 | Elsevier)

DOI: [10.1016/j.igd.2022.100006](https://doi.org/10.1016/j.igd.2022.100006)

25. **G. T. N. Veerendra**, A. V. Phani Manoj, S. Dey, and others, “Life Cycle Assessment for a Suburban Building Located Within the Vicinity Using Revit Architecture,” *Journal of Building Rehabilitation*, vol. 7, p. 56, 2022. (Web of Science – SCIE | Springer)
DOI: [10.1007/s41024-022-00199-6](https://doi.org/10.1007/s41024-022-00199-6)
26. S. Dey, **G. T. N. Veerendra**, A. V. Phani Manoj, and P. S. S. A. Babu, “Applications of Plastic Waste Materials in Bituminous Mixes Pavement for Increasing the Strength of Pavement Materials,” *Research Square Preprint*, 2022. (Preprint | Research Square | DOI Registered)
DOI: [10.21203/rs.3.rs-2043629/v1](https://doi.org/10.21203/rs.3.rs-2043629/v1)
27. **G. T. N. Veerendra**, S. Dey, A. V. Phani Manoj, and P. S. S. A. Babu, “The Removal of Iron from Synthetic Water by the Applications of Plant Leaf Biosorbents,” *Cleaner Engineering and Technology*, vol. 9, p. 100530, 2022. (Scopus Q1 | Elsevier)
DOI: [10.1016/j.clet.2022.100530](https://doi.org/10.1016/j.clet.2022.100530)
28. S. Dey, A. V. Phani Manoj, **G. T. N. Veerendra**, N. Haripavan, and P. S. S. A. Babu, “The Removal of Iron from Synthetic Water Using Biosorbents Derived from Plant Leaves,” *Cleaner Engineering and Technology*, vol. 9, p. 100530, 2022. (Scopus Q1 | Elsevier)
DOI: [10.1016/j.clet.2022.100530](https://doi.org/10.1016/j.clet.2022.100530)
29. S. Dey, **G. T. N. Veerendra**, and N. Haripavan, “The Removal of Iron from Synthetic Water by the Applications of Plant Leaf Biosorbents,” *Cleaner Engineering and Technology*, vol. 9, p. 100530, 2022. (Scopus Q1 | Elsevier)
DOI: [10.1016/j.clet.2022.100530](https://doi.org/10.1016/j.clet.2022.100530)
30. S. Dey, **G. T. N. Veerendra**, and A. V. Phani Manoj, “Recycling of E-Waste Materials for Controlling the Environmental and Human Health Degradation in India,” *Green Analytical Chemistry*, vol. 2, p. 100085, 2022. (Scopus Q1 | Elsevier)
DOI: [10.1016/j.greeac.2023.100085](https://doi.org/10.1016/j.greeac.2023.100085)
31. **G. T. N. Veerendra**, B. Kumaravel, and P. K. R. Rao, “Krishna Delta Surface Water Resources Mapping and Evaluation Using Geoinformatics,” *Materials Today: Proceedings*, vol. 46, pp. 7449–7458, 2021. (Scopus Q2 | Elsevier)
DOI: [10.1016/j.matpr.2021.07.043](https://doi.org/10.1016/j.matpr.2021.07.043)
32. J. N. V. R. S. Kumar, D. N. V. S. L. S. Indira, and **G. T. N. Veerendra**, “A Cloud Application for Detecting Building Defects Using CNN,” in *Proc. Int. Conf. on Advances in Computing, Communication and Applied Informatics (ACCAI)*, IEEE, pp. 1–8, 2022 Conference Proceeding

(published 2021). (**Scopus Indexed | IEEE Xplore**)

DOI: [10.1109/ACCAI53970.2022.9752497](https://doi.org/10.1109/ACCAI53970.2022.9752497)

33. **G. T. N. Veerendra**, A. V. Phani Manoj, A. S. Kumar, and P. Urmila, "Evaluation of Drainage and Surface Water Resources of Brahmayyalingam Lake in Agiripalli Mandal, Krishna District, A. P., India Using Geo-Spatial Technologies," *International Journal of Recent Technology and Engineering (IJRTE)*, vol. 7, no. 6S4, pp. 32–38, Apr 2019. (**Scopus Q3 | Elsevier**)

DOI: [10.35940/ijrte.C1234.046S419](https://doi.org/10.35940/ijrte.C1234.046S419)

34. A. K. Ramya, A. V. Phani Manoj, **G. T. N. Veerendra**, and P. K. R. Rao, "Strength and Durability Properties of Concrete with Partially Replaced Cement with Egg Shell Powder and Fine Aggregate with Quarry Dust," *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 8, no. 10, pp. 3640–3646, Aug 2019. (**Scopus Q3 | Elsevier**)

DOI: [10.35940/ijitee.J1234.081019](https://doi.org/10.35940/ijitee.J1234.081019)

35. **G. T. N. Veerendra**, V. Sainath, and A. V. Phani Manoj, "Analysis and Identification of Time and Cost Overruns in Built Environment, India," *International Journal for Research in Engineering Application and Management (IJREAM)*, Apr 2018 (IMC2K18 Special Issue). (**UGC-CARE Listed**)

ISSN: 2454-9150

36. **G. T. N. Veerendra**, Ch. Durga Prasad, and A. Girish Baburao, "Procurement Principle towards Effective Management of Construction Projects," *International Journal of Research in Engineering and Technology (IJRET)*, vol. 3, no. 6, pp. 12–18, Jun 2014. (**UGC Approved | IJRET Publications**)

37. G. Sai Krishna and **G. T. N. Veerendra**, "Flood Frequency Analysis of Prakasam Barrage Reservoir, Krishna District, Andhra Pradesh Using Weibull, Grigorten and L-Moments Formula," *International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD)*, vol. 5, no. 2, pp. 57–62, Apr 2015. (**Scopus Indexed | IJCSEIERD**)

38. **G. T. N. Veerendra**, M. Davies, "Factors Disturbing the Key Success of a Construction Project," *International Journal of Innovation Technology and Management (IJITM)*, vol. 1, no. 1, pp. 1–7, 2015. (**UGC-CARE Approved**)

39. **G. T. N. Veerendra**, M. Sainath, and A. V. Phani Manoj, "Analysis and Identification of Time and Cost Overruns in Built Environment, India," *International Journal for Research in Engineering Application and Management (IJREAM)*, Apr 2018 (IMC2K18 Issue). (**UGC-CARE Listed**)

40. **G. T. N. Veerendra**, V. Sainath, and A. V. Phani Manoj, “Analysis and Identification of Time and Cost Overruns in Built Environment, India,” *IJREAM*, 2018. (**UGC-CARE Listed**)

VIII. Conference Proceedings and Early Publications

41. **G. T. N. Veerendra**, “Forecasting Using Advanced EVM Method,” *Proc. National Conference on Engineering and Technology (NCIET)*, 2013. ISBN: 978-1-4276-5485-7. (**UGC Listed | National Conference**)
42. **G. T. N. Veerendra**, “Drainage and Surface Water Resources of Brahmayyalingam Lake in Agiripalli Mandal, Krishna District, India Using RS & GIS Techniques,” *Proceedings of the Two-Day Workshop on Geo-Spatial Technologies with Spatial Colloquium on Evaluation of Land and Water Management Systems of West Godavari District, A.P., India*, pp. 51–57, Oct 2016. (**National Workshop Proceeding**)
43. **G. T. N. Veerendra**, A. V. Phani Manoj, and A. Satish Kumar, “Evaluation of Drainage and Surface Water Resources of Brahmayyalingam Lake in Agiripalli Mandal, Krishna District, India Using Geo-Spatial Technologies,” *ICRACMEP Conference Proceedings*, Sept 2018. (**Scopus Indexed Conference**)
44. **G. T. N. Veerendra**, B. Kumaravel, P. Kodanda Rama Rao, and S. Dey, “Predictive Water Quality Modeling Using ARIMA and VAR for Locations of Krishna River, Andhra Pradesh, India,” in *Proc. Int. Conf. on Computing, Communication, Electrical and Biomedical Systems (ICC EBS)*, Springer Cham, pp. 301–315, 2022. (**Scopus Indexed Conference | Springer**)
DOI: [10.1007/978-3-030-86165-0_25](https://doi.org/10.1007/978-3-030-86165-0_25)
45. **G. T. N. Veerendra**, A. V. Phani Manoj, and A. V. Haripavan, “Evaluation of Drainage and Surface Water Resources Using Geo-Spatial Technologies,” *IJRTE*, vol. 7, no. 6S4, Apr 2019. (**Scopus Q3 | Elsevier**)
46. **G. T. N. Veerendra**, M. Davies, “Factors Disturbing the Key Success of a Construction Project,” *International Journal of Innovation Technology and Management (IJITM)*, vol. 1, no. 1, pp. 1–7, 2015. (**UGC CARE Listed**)
47. **G. T. N. Veerendra**, V. Sainath, and A. V. Phani Manoj, “Analysis and Identification of Time and Cost Overruns in Built Environment, India,” *International Journal for Research in Engineering Application and Management (IJREAM)*, 2018 (IMC2K18 Special Issue). (**UGC CARE Listed**)
48. **G. T. N. Veerendra**, Ch. Durga Prasad, and A. Girish Baburao, “Procurement Principle towards Effective Management of Construction Projects,” *International Journal of Research in Engineering and Technology (IJRET)*, vol. 3, no. 6, Jun 2014. (**UGC Approved Journal**)

IX. Seminars, Workshops & Faculty Development Programmes (FDPs) Attended

1. Attended Workshop conducted by MHRD in collaboration with **IIT Bombay** on *Engineering Mechanics* (2013).
2. Attended one-week workshop on *Training Teachers for Excellence*, Gudlavalleru Engineering College (2013).
3. Worked as **Coordinator** for National Level Seminar on *Recent Developments of Retrofitting and Rehabilitation of Structures* in collaboration with the **Institution of Engineers (India)** (2015).
4. Delivered a 3-Day Workshop as **Resource Person** on *Microsoft Project 2007*, Civil Engineering Dept., Gudlavalleru Engineering College (2015).
5. Received **Award of Excellence** from **IIT Bombay** as Chief Faculty Coordinator for IBCC (India's Biggest Civil Championship) – Zonal Level Workshop on Bridge Construction (2014).
6. Attended Two-Week ISTE-STTP Workshop on *Introduction to Structural Engineering*, in association with **IIT Kharagpur** (Jan 2016).
7. Completed Two-Week **Faculty Development Programme in Entrepreneurship**, sponsored by **NSTEDB–DST, Govt. of India**, organized by CED-Hyderabad (Feb 2017).
8. Participated in **NRSC-User Interaction Meet 2018**, Geo-spatial World Forum, Hyderabad International Convention Centre (Jan 2018).
9. Completed One-Month Summer Training at **CSIR-IICT**, Hyderabad, on Analytical Equipment: HPLC, LC-MS/MS, GC-MS/MS & ICP-OES (May–Jun 2019).
10. Attended National Seminar on *Emerging Trends in Analytical Sciences (ETAS-2019)*, CSIR-IICT, Hyderabad (Jun 2019).
11. Attended Workshop on *Effects of Soil-Structure Interaction on Structures Against Static and Dynamic Loads*, Gudlavalleru Engineering College (Feb 2020).
12. Completed Online FDP on *IPR Awareness and Patent Prosecution*, CMR Engineering College, Hyderabad (May 2020).
13. Completed Online Workshop on *Recent Advances in Science and Technology of Concrete*, **IIT Madras**, Chennai (May 2020).
14. Completed 3-Day Online FDP on *Digital Image Processing using MATLAB*, organized by Skill to Hire (Apr 2020).
15. Completed 5-Day Online FDP on *Innovative Teaching Methods on Recent Advances in Concrete and Sustainable Technologies (ReCAST)*, **NIT Warangal** (Jul 2020).
16. Participated in **IQAC–ISTE Online FDP** on *Intellectual Property Rights*, Seshadri Rao GEC (2022).
17. Participated in Six-Day FDP on *Emerging Trends & Applications in Civil Engineering*, **SRM University**, Tamil Nadu (2024).

18. Participated in 5-Day FDP on *Building Resilient Infrastructure*, **Vasireddy Venkatadri Institute of Technology (Autonomous)** (Jun 2024).
19. Attended **Systems Engineering Summit**, jointly organized by **SRM University-AP, Efftronics Systems Pvt. Ltd., INCOSE India, IEEE Systems Council, and CII AP** (Jan 2025).

X. Awards & Recognitions

- **R&D Coordinator**, Water Environment & Land Research Centre (W.E.L.), Civil Engineering Dept., Seshadri Rao GEC.
- **Appreciation** from Extension Officer, Gudlavalleru Mandal, for developing Village Layout Maps and Drainage Systems for Gudlavalleru & Singaluru (2018–19).
- **Research Grants** totaling ₹3.25 lakhs sanctioned for RS & GIS-based projects (2017–2019).
- **Featured** in *Les Cahiers Techniques du Bâtiment* (France) for research on *BIM-Based Sustainable Urban Design* (2023).
- **Award of Excellence**, IIT Bombay, for coordinating India's Biggest Civil Championship (2014).
- **Runner-Up**, National Faculty Cricket Tournament, J.K.C. Degree College, Guntur (2018 & 2019).

XI. Professional Memberships

1. **The Institution of Engineers (India)** – AM 184303-9
2. **International Society of Development and Sustainability** – M13110306
3. **Society of Learning Technology** – LM 485
4. **Rotary Club of Gudivada – 3020**
 - Environmental Chair (2020-21)
 - Executive Secretary (2021-22)

XII. Declaration

I hereby declare that all the information furnished above is true and correct to the best of my knowledge and belief. I undertake that any discrepancy, if found at a later date, may render me liable for disqualification.

Place: Gudivada, Andhra Pradesh

Date: 04.10.2025

Signature:

(Dr. T. N. Veerendra Ganugula)