BIO DATA OF Dr. V.VENKATESAN

Dr. V. VENKATESAN
Assistant Professor (Sl. Gr.) & Dean (i/c)
Department of Civil Engineering
University College of Engineering, Ariyalur
Kathankudikadu, Thelur (post)
Ariyalur – 621 731.

EDUCATION

- ✓ Doctor of Philosophy (May 2011) with Highly Commented in Hydrology and Water Resources Engineering in the Faculty of Civil Engineering, Department of Civil Engineering, Anna University, Chennai, Tamil Nadu, India.
- ✓ Master's Degree in Water Resources Engineering and Management with Distinction Honors (May 2005; 8.74 CGPA), Department of Civil Engineering, Faculty of Engineering and Technology, Annamalai University, Annamalai Nagar, Chidambaram, Tamil Nadu, India.
- ✓ Bachelor's Degree in Civil Engineering with First Class (Apr 2003; 81%) University of Madras Chennai Tamil Nadu, India.
- ✓ Higher Secondary (HSC) with first class (Mar 1999; 84%), Bishop Heber Hr. Sec. School, Trichy, State Board, Government of Tamil Nadu, India.

POSITION

Dean i/c, University College of Engineering Ariyalur, since **August 2024**.

Head i/c, Department of Civil Engineering, University College of Engineering Ariyalur, since **January 2020 to till Date**.

Assistant Professor (Selection Grade) in Civil Engineering, Department of Civil Engineering, University College of Engineering Ariyalur, since **March 2020 to till Date**.

- **Additional Administrative / Academic Responsibilities at University/Institute:**

(i) **Dean i/c**, - **Term II** - University College of Engineering Ariyalur, from **August 2024 to till Date**

(ii) **Dean i/c**, - **Term I** - University College of Engineering Ariyalur, from **Dec 2020 to May 2022.**

(iii) **Head in-charge**, Department of Civil Engineering **(January 2020 to till Date)**

(iv) **Zonal Coordinator**, Zone XII (81), Anna University **(From Dec 2020 to till Date)**

(v) **Zonal Officer**, Zone XII (81), Anna University **(From Sep 2017 to Dec 2020)**

(vi) **Special Officer** for Anna University Tirucirappalli – Panruti Campus **(July 2010 to August 2012)**

(vii) **Member,** Anna University Affiliation Committee **(Since 2011)**

(viii) **Placement and Training Officer,** University College of Engineering, Ariyalur (August 2023 to September 2024)

(ix) **Cultural Coordinator**, UCE Ariyalur **(October 2012 to Dec 2023)**

PROFESSIONAL EXPERIENCE

March 2016 to March 2020: Assistant Professor (Senior Grade) in Civil Engineering, Department of Civil Engineering, University College of Engineering Ariyalur.

August 2009 to March 2016: Assistant Professor in Civil Engineering, Department of Civil Engineering, University College of Engineering - Ariyalur Campus, Ariyalur.

January 2008 to August 2009: Junior Research Fellow, Centre for Water Resources, Anna University, Chennai (University Grants Commission Research Fellowship) under Government of INDIA.

July 2006 to January 2008: Junior Research Fellow in Centre for Water Resources, Department of Civil Engineering, Anna University, Chennai, Tamil Nadu, India, in the project titled "Rainfall Runoff Modeling and Groundwater Dynamics of Tank Clustered Catchments of Semi Arid Region", sponsored by Indian National Commission on Irrigation and Drainage (INCID), Ministry of Water Resources.

June 2005 to July 2006: Lecturer, Department of Civil Engineering, Jaya Engineering College, Thiruninravur, Affiliated to Anna University, Chennai, Tamil Nadu, India.

MEMBERSHIP OF PROFESSIONAL SOCIETIES

Member, the International Association of Hydrological Sciences

Life member, Indian Society for Technical Education

Life member, Indian Society of Remote Sensing

Life Member, Indian Water Resources Society

Ongoing / Completed (PhD/M.S/M.E/B.E Projects / Sponsored Projects / Other Consultancy):

a.	Number of PhD/M.S completed/ongoing	:	4 (ongoing)
b.	Number of ME/BE Projects Completed	:	40 No's
c.	Sponsored Research Activities	:	Rs. 1,00,000/-
d.	Consultancy & Testing Activities	:	Rs. 80,00,000/-

EXPERTISE IN:

Arc GIS software's, DBMS system, MATLAB, MODFLOW, STORMNET, HECRAS, HEC-HMS and SPSS statistical software etc.,

INTERNATIONAL/NATIONAL JOURNALS

1) Mashael Maashi, Nada Alzaben, Noha Negm, **V. Venkatesan**, S. Sabarunisha Begum, P. Geetha, (2025) "Forecasting Land Use Change in Crop Classification and Drought Using Remote Sensing", **Journal of Arid Land, Springer Nature**, 10 June 2025, Vol. 17, Issue 5, pp- 575-589. https://doi.org/10.1007/s40333-025-0013-y

2) Ebad, Shouki A., Ali Alqazzaz, Radwa Marzouk, **V. Venkatesan**, Nadhem Nemri, V. M. Rajanandhini, S. Vivek, and A. Rajaram. 2025. "Deep Learning Based Automatic Crack Detection for Concrete Structures Using Piezoelectric Smart Aggregates." *Mechanics of Advanced Materials and Structures*, Taylor & Francis, Vol. 32, March 2025, pp- 1–11. https://doi.org/10.1080/15376494.2025.2477230

3) Naveen Arasu Anbarasu, Vivek Sivakumar, Shantharam Yuvaraj, **Venkatesan Veeramani**, Sampathkumar Velusamy (2025) "Pioneering the next frontier in Construction with High-strength infused by nano materials" *Journal of Matéria (Rio de Janeiro)* (January 2025) Volume 30, Issue 1. Pp e20240730. DOI: https://doi.org/10.1590/1517-7076-RMAT-2024-0730 ISSN : 1517 – 7076 SciELO - Scientific Electronic Library Online

4) Mashael Maashi, Nada Alzaben, Noha Negm, **V. Venkatesan**, S. Sabarunisha Begum, P. Geetha, (2025) "Advanced landslide susceptibility mapping and analysis of driving mechanisms using ensemble machine learning models", *Journal of South American Earth Sciences*, Volume 151, Issue January 2025, 105272, ISSN 0895-9811, https://doi.org/10.1016/j.jsames.2024.105272.
5) **V. Venkatesan**, A Adilakshmi, (2024) "Effective Monitoring of Noyyal River Surface Water Quality using Remote Sensing and Machine Learning and GIS Techniques, *Desalination and Water Treatment*, *Elsevier,* Vol. 320 Issue 4 Oct, 2024, https://doi.org/10.1016/j.dwt.2024.100630.
6) Vijayakumar Arumugam, Sridhar Natarajan, **Venkatesan Veeramani**, Yenigandla Naga Mahesh (2024) "Assessing and enhancing the seismic performance of existing RCC buildings" *Journal of Matéria (Rio de Janeiro)* (April 2024) Volume 29, Issue 2. Pp e20240025. DOI: https://doi.org/10.1590/1517-7076-RMAT-2024-0025. ISSN : 1517 – 7076 SciELO - Scientific Electronic Library Online
7) Davamani Veerasamy, Arulmani S, Deepasri Mohan, Parameshwari Ettiyagounder, Paul Sebastin Selvaraj, Sangeeta Priya Ramasamy and **Venkatesan Veeramani** (2024) "Exploring the Origins and Cleanup of Mercury Contamination: A Comprehensive Review", *Environ Sci Pollut Res, (Nov 2023). Springer Nature*. DOI: https://doi.org/10.1007/s11356-023-30636-z
8) **V. Venkatesan,** K. Nithya, B. Karthikeyan, and A. Adilakshmi, (2023) "A Deep Learning Data Augmentation Experiment to Classify Agricultural Soil Moisture to Conserve Plants", *Int J Intell Syst Appl. Eng, Elsevier*, vol. 11, no. 6s, pp. 114–119, May 2023.
9) **V.Venkatesan** & A. Adilakshmi, (2023), Water quality assessment in coastal lagoons using improved back propagation deep neural network with PH level compensation sensors in smart environment, *Global NEST Journal*, Vol 25, No 4, pp 8-15 -12. https://doi.org/10.30955/gnj.004623
10) **V.Venkatesan** & N. Ilavarasan, (2021) Analysis of Lake Water Quality Using WATCLAST Program– A Case Study on Ooty Lake, *Agrociencia Journal* 55 (1), 1-12. (ISSN: 1405-3195). Impact Factor – 0.346.
11) **V. Venkatesan**, A Adilakshmi, P Balamurugan, PS Kumar (2020) Efficacy of Dispersing Agents on Gradation of MSW Dumping Site Soils, *Solid State Technology* 63 (6), 12427-12439 (ISSN:0038111X). Impact Factor – 0.3

12) S Christi, A Arunraj, **V Venkatesan**, R Logaraja (2020), Study on Behavior of Sustainable Ferrocement Overlay Beam using M-Sand, *Journal of Green Engineering* (JGE) 10 (1), 144-160.

13) S Christi, K Sivasubramanian, **V Venkatesan**, KN Lakshmikandhan, and P Sivakumar (2018) "Conditional assessment of a thin walled monolithic concrete structure" *The Indian Concrete Journal*, Vol.92 – Issue 9, pp-25-35

14) **V.Venkatesan**, (2016) "Extraction of Drainage Pattern and Watershed from SRTM Data Using GIS Tools – A Case Study" *Journal of Remote Sensing & GIS, STM Journals*, Volume 7, Issue 1, pp. 1 – 9. (e-ISSN: 2230-7990, ISSN: 2321–421X SJIF Impact Factor: 2.549).

15) **V.Venkatesan**, (2015) "Drought a Water Scarcity – Case Study By Statistical Approach" *International Journal of Modern Trends in Engineering & Research*, Volume 2, Issue 10, pp.187-200. (e-ISSN 2349–9745, p-ISSN 2393-8161; Impact factor: 1.711)

16) **V.Venkatesan** and P. Rajesh Prasanna, (2015) "Simulating Groundwater Flow Using Numerical Model and Artificial Neural Network - A Case Study", *International journal of Civil and Structural Engineering Research (Research Publish Journals)*, Vol.3, No.1, pp.190-214. (ISSN No. Online: 2348–7607)

17) A.Adilakshmi, **V.Venkatesan** and V. Tamilmani (2014) "Blending Ratio of Low Sulphur Diesel A Key to Lower Emissions", *International Journal of Industrial Pollution Research*" Vol 30(1), pp 123-129. (ISSN: 09702083; Scopus Journal Rating (SJR): 0.1, Scopus H Index : 9 and NAAS Rating : 4.60)

18) **V.Venkatesan**, R.Balamurugan and M.Krishnaveni, (2013) "Remotely Sensed Spatial Data Based Storage Tank Capacity Estimation of a Sub Basin" *Asian Academic Research Journal of Multidisciplinary,* Vol.1, No.15, pp.408 – 422. (ISSN No: 2319 -2801; Impact Factor: International Society for Research Activity Journal Impact Factor ISRA-JIF – 2.015).

19) **V.Venkatesan**, R. Balamurugan and M.Krishnaveni, (2012) "Establishing water surface area – storage capacity relationship of small tanks using SRTM and GPS" *Energy Procedia, Elsevier*, Vol.16, No.2, pp.1167-1173. (ISSN No: 1876-6102; Impact Factor: SNIP – 1.333 & SJR - 0.088). https://Doi:10.1016/j.egypro.2012.01.186

20) **V.Venkatesan** and P. Rajesh Prasanna, (2011) "Artificial Neural Network model for prediction of groundwater levels: A case study", *International journal of Artificial Intelligent Systems and Machine Learning*, Vol.3, No.2, pp.96-100. (ISSN No. Print: 0974 – 9667 & Online: 0974 – 9543; Impact Factor: 1.261)

21) **V.Venkatesan**, M.Krishnaveni, K. Karunakaran and G. Ravikumar, (2010) "GIS Based Multi-Criteria Analysis for Assessment of Groundwater Potential and Land Suitability" *International Journal of Earth Sciences and Engineering*, Vol.3, No.2, pp.207-223. (ISSN No: 0974-5904; Scopus Journal Rating (SJR) 0.038; CSIR-NISCAIR, INDIA Impact Factor 0.042)

22) **V.Venkatesan**, M.Krishnaveni, K. Karunakaran and G.Ravikumar, (2010) "Assessment of Groundwater Potential Zones using GIS and AHP" *Indian Journal of Environmental Research*, Vol.22, No.1, pp.53-60. (ISSN No. 0971 – 2372 - Print)

PAPERS IN CONFERENCE/PROCEEDINGS

1) A.Adilakshmi and **V.Venkatesan (**2020**), "**A Study on Ability of Copper and Bentonite in Water Purification**",** DST-SERB Sponsored International Conference on Recent Trends in Green Chemistry and Material Science (RTGCMS-2020), organised by Department of Applied Science and Humanities Mohamed Sathak Engineering College, Kilakarai, 23 & 24 January 2020. (ISBN 978-93-5396-914-1), Vol I, p.30
2) S.Christi, K.Sivasubramanian, **V.Venkatesan**, K.N.Lakshmikandhan and P.Sivakumar (2015) "Non-Destructive Testing of Thin Elements Using Impact Echo Method", International Conference on Infrastructure Development for Environmental Conservation and Sustenance (INDECS-15), ACE, Hosur, Tamilnadu-INDIA, from 28-30 October 2015. (ISBN: 978-194384621-4), Vol I, p.411.
3) A.Adilakshmi and **V.Venkatesan (**2013**)** "Low Sulphur Diesel: The Key to Lower Emissions" National Conference on "Green Chemistry and its Global Perspectives" GCGP 2013" (UGC Sponsored), Department of Chemistry, A.D.M. College for Women (Autonomous), Nagapattinam in association with Chemical Research Society of India, India, from 8 - 9 March 2013.
4) **V.Venkatesan**, V.Kanagasabai, M.Rajendran (2005), "A Comprehensive study of Meteorological Drought Assessment using GIS" National Seminar on "Innovative Techniques for Sustainable Development of Water Resources" Department of Civil Engineering, Annamalai University, Tamilnadu, India, from 24 - 25 March 2005.
5) **V.Venkatesan**, V.Kanagasabai, M.Rajendran (2005), "A Comparative study of Meteorological Drought Assessment Methods – A case study" International Conference on Hydrological Perspectives for Sustainable Development, Vol I, pp 275 – 288, Department of Hydrology, IIT Roorkee, India, from 23-25 February 2005.

INVITED LECTURES

1. Delivered special lecture on **"GIS Mapping**" in connection with Training Programme on "**Geographic Information System (GIS) with Field Survey using Latest Technologies"** organised by TWAD, PWD, Govt. of Tamilnadu, Trichy on 01.12.2023 (Friday).

2. Online Elementary FDP - Delivered Special Lecture on "**WASTE MANAGEMENT PRACTICES FOR FUTURE INDIA, ATAL FDP**, organized by University College of Engineering Ramanathapuram during 13/09/2021 to 17/09/2021.

3. Delivered Lecture on **"Viscous Flow and Flow Through Pipes"** in the Faculty Development and Training Programme on Fluid Mechanics, organized by Department of Civil Engineering, Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Tehnology, Chennai on 12.12.2019.

4. Served as Certified Master Trainer to the Train the Trainers Programme on **"Foundation Skills on Integrated Product Development (FSIPD)"** organized by ACCET, Karaikkudi and sponsored by TEQIP & CFD, AU, Chennai during Cycle I - 23rd to 27th November 2015 (Phase I) & 26th to 30th March 2016 (Phase III).

PROFESSIONAL TRAININGS, CONFERENCES AND COURSES

1) ISRO sponsored Special Course on **"SAR Data Processing for Land Deformation Studies" –** organized and conducted by Indian Institute of Remote Sensing, Department of Space, Government of India, Dehradun, held from 31.07.2023 to 11.08.2023.
2) Faculty Development and Training on "**Managing Online Classes and Co-creating MOOCS 3.0**" organized by TLC, Ramanujan College, University of Delhi under PMMMNMTT, MHRD during 25.07.2020 to 10.08.2020
3) Industrial Training on **"Telecom Tower Construction"** organized by Bharat Sanchar Nigam Limited, GoI, Chennai during 08.06.2020 to 26.06.2020.
4) Universal Human Values on the Theme of **"Inculcating Universal Human Values in Technical Education"** organized by AICTE, New Delhi held from 11.05.2020 to 15.05.2020.
5) Foundation Program in **ICT for Educations,** organized by IIT, Bombay under PMMMNMTT, MHRD, GoI during 08.03.2018 to 12.04.2018.

6) **Certified Master Trainer – "Foundation Skills on Integrated Product Development (FSIPD)" -** organized by AU-NASSCOM and sponsored by TEQIP & CFD, AU, Chennai held from 27.09.2015 to 01.10.2015.
7) Indian International Conference on **Air Quality Management** (IICAQM 2016) organized by Department of Civil Engineering, IIT Madras and Helmholtz Centre for Environmental Research, Leipzig from 15-16th February 2016.
8) ISRO – NNRMS Sponsored Training Course on **Remote Sensing and GIS Applications to Water Resources (N-WR)** organized and conducted by Indian Institute of Remote Sensing, Department of Space, Government of India, Dehradun, held from 06.05.2013 to 28.06.2013.
9) One week training programme on "**Capacity of Tank using Total Station and GPS**" organised and conducted by Centre for Water Resources, Anna University Chennai, Tamilnadu, India held from 08.02.2010 to 12.02.2010.
10) Short term training programme on **Modelling Approaches for Environmental and Water Resources Systems Management,** at Environmental Water Resources Division, Department of Civil Engineering, Indian Institute of Technology Madras, Chennai, Tamil Nadu, India, from 4th – 9th August 2008.
11) Practical training on Introduction to **ArcGIS 9 in ESRI** India authorized learning centre in Anna Nagar, Chennai, Tamil Nadu, India, from 16/10/2006 to 20/10/2006.

FACULTY DEVELOPMENT TRAINING PROGRAMME ORGANISED:

1. **Dr. V. Venkatesan** & Dr. P. Suresh Kumar, organized and conducted 7 days FDP on "**CE 6403 – Applied Hydraulic Engineering**" sponsored by CFD, Anna University, Chennai during 29.11.2016 to 05.12.2016.
2. **Dr. V. Venkatesan** & Dr. P. Suresh Kumar, organized and conducted 7 days FDP on "**CE 6405 – Soil Mechanics**" sponsored by CFD, Anna University, Chennai during 12.12.2014 to 18.12.2014.

FACULTY DEVELOPMENT TRAINING PROGRAMME ATTENDED:

1. NPTEL Faculty Development Programme on **"Geology and Soil Mechanics"** conducted by IIT Kanpur & IIT Madras during January 2023 to April 2023. (12 weeks)

2. Faculty Development Programme on Training of Trainers Program "**Design and Construction of Steel Buildings**" L&T EDU TECH & Govt. of Tamilnadu – Naan Mudhalvan, during 19.09.2022 to 22.09.2022. (One week)
3. Faculty Development Programme on "**Part 1 of the Universal Human Values Refresher 1**" conducted by AICTE during 21.02.2022 to 25.02.2022. (One Week)
4. Participated in 6 days online FDP on "**CE 8302 – Fluid Mechanics**" organized by Department of Civil Engineering, PSG College of Research and Technology, Coimbatore sponsored by CFD, Anna University, Chennai during 21.06.2021 to 26.06.2021. (One Week)
5. Faculty Development Programme on "C2CWC1xA18: **Workplace Communications under College to Corporate Programme**" conducted by IIT, Bombay during 04.10.2018 to 12.11.2018. (Six Week)
6. Faculty Development Programme on "**C2CSS1xA18: Soft Skills under College to Corporate Programme**" conducted by IIT, Bombay during 06.09.2018 to 04.10.2018 (Four Week)
7. Faculty Development Programme on "**C2CIT1xA18: Effective use of IT for Professional Activities under College to Corporate Programme**" conducted by IIT, Bombay during 06.09.2018 to 12.11.2018. (10 weeks)
8. Participated in Two Weeks FDP on "**Entrepreneurship Development**" organized by Centre for Entrepreneurship Development, Anna University sponsored by CED & CIPR Anna University, Chennai during 13.02.2018 to 23.02.2018. (Two Weeks)
9. Participated in 7 days FDP on "**CE6502 – Foundation Engineering**" organized by Department of Civil Engineering, University College of Engineering, Pattukkottai, sponsored by CFD, Anna University, Chennai during 06.05.2016 to 12.05.2016. (One Week)