

Faculty Profile



Dr. G. Venkatesan , B.E.,M.Tech., Ph.D
Associate Professor – Civil Engineering

HIGHLIGHTS:

- Number of Journal Publications:40
- H-Index:10
- Project Funding Received: Nil
- Patents Published:53
- Patents Granted:4(Under Review)

PROFESSIONAL LINKS:

- Scopus ID: 57194470272
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57194470272>
- Google Scholar ID:
<https://scholar.google.co.in/citations?user=xbxjAwwAAAAJ&hl=en> Anna University
- Faculty ID: TSCE71
- AICTE Faculty ID:12638530186
- Anna University Supervisor ID: 4110012
- LinkedIn: <https://www.linkedin.com/in/dr-venkatesan-g-38574423a/>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 12Years
- Industrial Experience: Nil

INTERNATIONAL EXPOSURE:

- Valuable contribution and outstanding performance as a **member of the scientific committee** of the 3rd International Conference of Arabian Journal of Geosciences (**Springer Nature**), held on 02. November. 2020 to 05-November-2020. From **Saudi Arabia**.
- Valuable contribution and outstanding performance as a **member of the scientific committee** of the 4th International Conference of Arabian Journal of Geosciences (**Springer Nature**), held on 25. November. 2021 to 28-November-2021. From **Saudi Arabia**.
- Valuable contribution and outstanding performance as a **member of the scientific committee** of the 5th International Conference of Mediterranean Geosciences Union

(Springer Nature), held on 27. November. 2021 to 30. November.2022. From the center of Cadi Ayyad University in Marrakech, **Marokko**.

AREA OF SPECIALIZATION:

- Artificial Intelligence, IoT
- Environmental Engineering,
- Remote Sensing and GIS,
- Hydro-geochemistry,
- Hydrology, Geology.

Ph.Ds AWARDED WITH DETAILS: (Nil)

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time

Ph.Ds GUIDING:

- **Full Time Scholars: Nil**
- **Part Time Scholars : Nil**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Groundwater regime impact and climate change towards sustainable development goal ISRO Respond BASKET – 2023.
- RES-IIRS-2023-002: Automating information extraction of objects of interest using development of advanced methods and algorithms for online/offline processing and analysis of multi-source data/ from High & medium resolution satellite images.

PATENTS PUBLISHED/GRANTED:

- Patent awarded to **G. Venkatesan** and T. Subramani by Intellectual Property India for “A method of reduction of Hexavalent Chromium to Trivalent Chromium from Tannery Effluent using Bacterial Biomass”. Patent Number: 59252 (13-Dec-2019).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “A method for cost-effective treatment of polluted groundwater using eco-friendly bio-coagulants”. Patent Number: 6752 (12-Feb-2021).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “An IoT-based system to remotely monitor building Structures”. Patent Number: 65622 (14-Oct- 2022).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Mineral Enrichment of Reverse Osmosis permeate using a composite gel-based perforated membrane”. Patent Number: 11484 (17-Feb-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Carbon capture and storage using ionic liquids: Industrial flue gas trapping with ionic absorbers”. Patent Number: 26581 (17-Mar-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Seismic Enhancement of Structures using Fem and Machine Learning Algorithms”. Patent Number: 43108 (16-Jun-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Calcium Film Coated Ceramic Membranes for Reverse Osmosis and Remineralisation”. Patent Number: 43111 (16-Jun-2023). (Applied for Grant).

- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Enhancing Bearing Capacity with Hybrid Mat and Pile Foundation System”. Patent Number: 43114 (16-Jun-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Transforming E-Learning: Harnessing Natural Language Processing and Intelligent Clustering For Personalized Recommendation”. Patent Number: 59272 (08-Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Dynamic Solar Charging System for Electric Bikes in Motion”. Patent Number: 59269 (08-Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Greenconnect: Empowering Waste Recycling and Trading for A Sustainable Future”. Patent Number: 58072 (01-Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Agriculture Drone with Pesticides Spraying Mechanism”. Patent Number: 62964 (22-Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Indigenous Technological Crypto Currency Investigation Tools with Multi-Blockchain Platform Support”. Patent Number: 63136 (22-Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Ai-Driven Bicycle System for Safety Enhancement and Advanced Functionalities”. Patent Number: 63137 (22- Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Medilocker: A Blockchain Solution for Comprehensive Medical Records”. Patent Number: 63135 (22-Sep- 2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “Partially Replaced Tannery Sludge Brick”. Patent Number: 63134 (22-Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “FUNCTIONALLY LAYERED FIBRE REINFORCEMENT IN CONCRETE”. Patent Number: 64880 (29-Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “CLOUD-BASED INDUSTRIAL PROCESS MANAGEMENT SYSTEM FOR WIRELESS SENSOR NETWORKS”. Patent Number: 64989 (29-Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “ ENHANCING PRIVACY & SECURITY IN INDUSTRIAL WIRELESS SENSOR NETWORKS THROUGH CLOUD-BASED SCHEME FOR”. Patent Number: 64990 (29-Sep-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “COMPREHENSIVE HEALTHCARE INFORMATION AND TELEMEDICINE WEB APPLICATION”. Patent Number: 66772 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “DICOMP BOTTLE: TWO-IN-ONE LIQUID CONTAINER”. Patent Number: 66773 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “EMPOWERING THE VISUALLY IMPAIRED: THE INNOVATIVE SMART CANE NAVIGATION SYSTEM”. Patent Number: 66774 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “SECUREVIEW: SMART IOT LINTEL GUARD - WINDOW TO DOOR SECURITY”. Patent Number: 66777 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “SAFE ALERT: PERSONAL SAFETY ALERT & SUPPORT”. Patent Number: 66790 (06-Oct-2023). (Applied for Grant).

- Patent awarded to **G. Venkatesan** by Intellectual Property India for “BANKFORMEASE: SIMPLIFY YOUR BANKING FORMS”. Patent Number: 66800 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “AR WAYFINDER: REAL-TIME AR ROUTE FINDER FOR EFFORTLESS NAVIGATION”. Patent Number: 66810 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “ENGINEERCONNECT: A DIRECT AND TRANSPARENT CIVIL ENGINEERING SERVICE PLATFORM”. Patent Number: 66888 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “DFA THAT ACCEPTS THE SET OF ALL STRINGS OF 0’S AND 1’S, SUCH THAT EACH BLOCK OF 5 DIGITS HAS AT LEAST 2 0’S”. Patent Number: 67005 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “ACTIVE MONITORING OF LANDSLIDE AND EARLY DETECTION SYSTEM USING INTELLIGENCE IOT”. Patent Number: 67026 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “SMARTTABLE: AN INNOVATIVE SYSTEM FOR RESTAURANT MANAGEMENT AND CUSTOMER SERVICE”. Patent Number: 67028 (06-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “AI-ENHANCED TOUCH-BASED CURTAIN OPENER AND CLOSER WITH A PEST REPELLENT SYSTEM AND A TEMPERATURE MONITOR”. Patent Number: 72599 (20-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “DIGITAL TWINS MODEL OF INDUSTRIAL PRODUCTION CONTROL MANAGEMENT USING DEEP LEARNING TECHNIQUES”. Patent Number: 72600 (20-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “INTEGRATED DEEP LEARNING FRAMEWORK FOR PROACTIVE PREDICTIVE MAINTENANCE IN MANUFACTURING”. Patent Number: 72601 (20-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “SUSTAINABLE SMART STAIRS: REVOLUTIONIZING ESCALATORS FOR ENERGY GENERATION”. Patent Number: 72602 (20-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “VOICEPRINT: THE NEXT GENERATION TEXT PRINTER WITH VOICE ASSISTANT INTEGRATION”. Patent Number: 72605 (20-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “LOCATASTE: LOCALIZED CONSUMER INSIGHTS AND PRODUCT SUGGESTIONS”. Patent Number: 72688 (20-Oct-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “CRYPTOREMIT: REVOLUTIONIZING CROSS-BORDER MONEY TRANSFERS WITH BLOCKCHAIN”. Patent Number: 88700 (15-Dec-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “TRASH COLLECTION SYSTEM WITH DUAL BOAT OPERATION AND ROTATING WHEEL MECHANISM”. Patent Number: 88701 (15-Dec-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “WORKSENSE PRO: ELEVATE WORK PERFORMANCE WITH AI WISDOM”. Patent Number: 88720 (15-Dec-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “MARKETWATCH: REAL-TIME PRICES AND RAPID DELIVERY FOR FRESH PRODUCE”. Patent Number: 88818 (15-Dec-2023). (Applied for Grant).

- Patent awarded to **G. Venkatesan** by Intellectual Property India for “CONTENTWATCH: ELEVATING VIDEO ANALYSIS WITH AI”. Patent Number: 88819 (15-Dec-2023). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “PROSPERIFY: TAILORED FINANCIAL INSIGHTS FOR WEALTH OPTIMIZATION”. Patent Number: 13821 (09-Feb-2024). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “LICENSEGUARD: STREAMLINING BUSINESS LICENSE VERIFICATION”. Patent Number: 13819 (09-Feb-2024). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “INSUREEASE: TRANSFORMING CAR INSURANCE FOR YOUNG DRIVERS”. Patent Number: 13820 (09-Feb-2024). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “SPINERGY GENERATOR: TRANSFORMING FAN ROTATION INTO ELECTRICITY”. Patent Number: 13846 (09-Feb-2024). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “MEDICLOUD: SECURE CLOUD-BASED MEDICAL RECORDS PLATFORM”. Patent Number: 13844 (09-Feb-2024). (Applied for Grant).
- 47. Patent awarded to **G. Venkatesan** by Intellectual Property India for “RISK NAVIGATOR: NAVIGATING INVESTMENT SAFELY”. Patent Number: 13841 (09-Feb-2024). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “ACADEMIXPAY: FLEXIBLE EDUCATION FINANCE”. Patent Number: 13818 (09-Feb-2024). (Applied for Grant).
- Patent awarded to **G. Venkatesan** by Intellectual Property India for “MIGRATEEASE: STREAMLINING GLOBAL OPPORTUNITIES”. Patent Number: 13327 (09-Feb-2024). (Applied for Grant).

COURSES CERTIFIED:

- QGIS.
- GPS Survey.
- DGPS Survey.

ACHIEVEMENTS AND AWARDS:

- “**Best Faculty Award 2023-2024**” in Department of Civil Engineering from Saveetha Engineering College. Chennai (2024).
- “**IEI Young Engineers Award 2023-24**” in the Civil Engineering Division from The Institute of Engineers (INDIA).
- Completed IUCEE **International Engineering Educator Certification Program (IIEECP)**, with distinction in the year **2023**.
- “**Best Researcher Award**” from International Scientist Awards 2021 on Engineering, Science, and Medicine given by VDGGOOD Technology Factory, India (2020).
- “**Young Achiever Award**” from the Institute of Scholars (InSc), India (2021).

SPECIAL SESSIONS DELIVERED:

- Delivered a Guest Lecture for the webinar on “Innovation Techniques for Flood and Drought Mitigation” Organized by K.S.Rangasamy College of Technology (Department of Civil Engineering) on 27.04.2023.
- Delivered a Guest Lecture on "Evaluation of chromium in vegetables and groundwater aptness for crops from an industrial (leather tanning) sector of South India " Organized

by the Faculty Training Centre in association with the Department of Industrial Biotechnology and Department of Civil Engineering, Government College of Technology, Coimbatore (Date: 23.12.2021).

- Delivered a guest speaker for the webinar on "Impact of precipitation disparity on groundwater fluctuation using geospatial techniques" " Organized by the Department of Civil Engineering, Rajalakshmi Engineering College, Chennai (Date: 28.12.2021).
- Delivered a guest speaker for the webinar on "Identification of groundwater pollution using geospatial techniques-a case study" Organized by t h e Department of Civil Engineering, Rajalakshmi Engineering College, Chennai (Date: 30.12.2021).
- Delivered a guest speaker for the webinar on "Environmental and Social Impact" for World Environment Day, held on 05.06.2022 organized by Innovation Club by Saveetha Engineering College, Chennai.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

1. Venkatesan G, “Cost-effective treatment for polluted groundwater using eco- friendly bio coagulants”, at the International Conference on the Sustainable Technologies in Water Treatment and Desalination (STWTD-2022) to be held at the Department of Chemical Engineering, National Institute of Technology Calicut, Kerala, India on 28th January 2022 to 29th January 2022.

2. Venkatesan G, “Experimental Investigation on Load Carrying Capacity of Hollow and Composite Pile materials in Layered Soil”, at the International Conference on “Intelligent Systems and Controls (ISCO’22)” organised byKarpagam College Engineering, Coimbatore collaboration with TR DSP Lab, Oakland University, USA. ISBN: 978-93- 5493-155-0held on 11thJanuary 2022 to 12thJanuary2022.

3. Venkatesan G, “Consequence of Nano-Silica on compaction, swell-shrink and strength behavior of wide soil”, in the TEQIP-III-CoE-ES sponsored Two days Online International Conference on “Environmental-friendly Construction Materials, Methods and Systems” (EFCMS’21), Organized by the Department of Civil Engineering, Government College of Technology, Coimbatore on 11-March-2021 to 12-March-2021.

4. Venkatesan G, “Demarcation of non-carcinogenic risk zones based on the intake of contaminated groundwater in an industrial area of northern Tamil Nadu using geospatial techniques”, International E - Conference on Recent Advances in Conservation and Utilization of Water, Sponsored All India Council for Technical Education (AICTE) organized by Department of Civil Engineering, ISBN no: ISBN 978-93-89631-61- 6ICRACUW. from 26-Augr-2020 to 27-Aug-2020.

5. Venkatesan G, “Geomedical health risks associated with geogenic gamma radiation and fluoride rich groundwater in Sevathur Carbonatite Complex of South India”. International E - Conference on Recent Advances in Conservation and Utilization of Water, Sponsored All India Council for Technical Education (AICTE) Organized by Department of Civil Engineering, ISBN no: ISBN 978-93-89631-61-6| ICRACUW. From 26-Augr-2020 to 27- Aug-2020.

6. Venkatesan G, “Categorization of groundwater quality zones using GIS to enhance agricultural practices in the semi-arid Kodavanar River basin of South India”. International E - Conference on Recent Advances in Conservation and Utilization of Water, Sponsored All India Council for Technical Education (AICTE) Organized by Department of Civil Engineering, ISBN no: ISBN 978-93-89631-61-6| ICRACUW. From 26-Augr-2020 to 27-Aug-2020.

7. G. Venkatesan "Behaviour of Cold Formed Steel plain channels under Axial and EccentricCompressive loads" presented in a National level conference on 5th National Conference onRecent Innovations in Engineering, Technology, Management & Applications

(RIETMA2K19), organised by Priyadarshini Engineering College, Vaniyamabadi, Tamil Nadu, India from 15-Mar-2019 to 16-Mar-2019.

8. G. Venkatesan "An Experimental Investigation on HPC with partial replacement of FA with foundry sand" presented in a International level conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)-2018, with catalog "CFP18037-PFT:978-1-5386-4303-7", organized by Priyadarshini Engineering College, Vaniyambadi, Tamil Nadu, India from 28 - Jan 2018 to 29-Jan-2018.

9. G.Venkatesan "Seismic Performance enhancement of Structures using Passive energydissipation devices" presented in a International level conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)-2018, with catalog "CFP18037-PFT:978-1-5386-4303-7", organized by Priyadarshini Engineering College, Vaniyambadi, Tamil Nadu, India from 28 - Jan2018 to 29-Jan-2018.

10. G.Venkatesan and T.Subramani, "Groundwater potential and its appropriateness for drinking and agriculture purpose in Vellore District, South India using Remote Sensing and GIS Techniques" presented in a International level conference on Civil, Mechanical, Chemical Engineering and Technologies-2018 (ICCMCT-2018), organized by SVSCollege of Engineering, Coimbatore, Tamil Nadu, India from 23-Feb-2018 to 24- Feb2018.

11. G.Venkatesan and T.Subramani, "Environmental degradation due to use of industrial wastewater for agriculture in Vellore District, Tamil Nadu, India using remote sensing and GIS techniques " presented in a International level conference on Membrane Technology and its applications (MEMSEP-2017), organised by National Institute of Technology (NIT), Tiruchirappalli, India from 21-Feb-2017 to 23-Feb-2017.

12. G.Venkatesan, B.Nagarajan, C.Santhosh Kumar and T.Subramani, " Mangroves and Land use Mapping of Sagar, Lothian and Jambudwip Islands of Sunderbans, WestBengal " presented in a International level conference on Membrane Technology and its applications (MEMSEP-2017), organised by National Institute of Technology (NIT), Tiruchirappalli, India from 21-Feb-2017 to 23-Feb- 2017.

13. G.Venkatesan and T.Subramani, "Analysis of Surface Water for Agricultural usage in PalarRiver basin in Vellore District" presented in a National level conference on 3rd National Conference on Recent Innovations in Engineering, Technology, Management & Applications (RIETMA-2K17), organised by Priyadarshini Engineering College, Vaniyamabadi, TamilNadu, India from 07-Apr-2017 to 08-Apr-2017.

14. G.Venkatesan and K.Madhan "An Experimental Investigation of High performance concrete with partial replacement of fine aggregate with foundry sand" presented in a National level conference on 3rd National Conference on Recent Innovations in Engineering, Technology, Management & Applications (RIETMA-2K17), organized by Priyadarshini Engineering College, Vaniyamabadi, Tamil Nadu, India from 07-Apr-2017 to 08-Apr-2017.

15. G.Venkatesan and K.Madhan "Seismic performance enhancement of structure using passive energy dissipation devices" presented in a National level conference on 3rd National Conference on Recent Innovations in Engineering, Technology, Management & Applications (RIETMA-2K17), organised by Priyadarshini Engineering College, Vaniyamabadi, TamilNadu, India from 07-Apr-2017 to 08-Apr-2017.

16. G.Venkatesan and K.Loganathan "Experimental Investigation on self curing concrete" presented in a National level conference on 3rd National Conference on Recent Innovations in Engineering, Technology, Management & Applications (RIETMA-2K17), organised by Priyadarshini Engineering College, Vaniyamabadi, Tamil Nadu, India from 07-Apr-2017 to 08-Apr-2017.

17. G.Venkatesan and R.Regupathi "Experimental Studies on High Performance Concrete using Natural Fibre (COIR FIBER)" presented in a National level conference on 2nd National Conference on Recent Innovations in Engineering, Technology, Management & Applications (RIETMA-2016), organised by Priyadarshini Engineering College, Vaniyamabadi, Tamil Nadu, India from 15-Apr-2016 to 16-Apr-2016.
18. G.Venkatesan and T.Subramani, "Case study on environmental impact due to industrial waste water in Vellore District, Tamil Nadu, India using geospatial techniques" presented in a National level conference on 2nd National Conference on Recent Innovations in Engineering, Technology, Management & Applications (RIETMA-2016), organised by Priyadarshini Engineering College, Vaniyamabadi, Tamil Nadu, India from 15-Apr-2016 to 16-Apr-2016.
19. G.Venkatesan and T.Subramani, "Parameter finding for case study of environmental degradation due to industrial pollution in Vellore, Tamil Nadu, India using Remote Sensing and GIS techniques" presented in an International level conference on Science and Innovative Engineering (ICSIE 2016), organised by Jawahar Engineering College, Chennai, India from 03-Apr-2016.
20. G.Venkatesan and T.Subramani, "Possibility Studies and Parameter Finding for Environmental Degradation Due to Industrial Pollution in Vellore, Tamil Nadu, India Using Remote Sensing and GIS Techniques" presented in an International level conference on Recent Trends in Mechanical and Civil Engineering (ICRTMCE'16), organised by Christian College of Engineering and Technology, Dindigul, Tamil Nadu, India from 17-Mar-2016 to 19-Mar-2016.
21. G.Venkatesan and K.Loganathan, "Performance Study of T - Beam using Coconut Shell Concrete" presented in an International level conference on Recent Trends in Mechanical and Civil Engineering (ICRTMCE'16), organised by Christian College of Engineering and Technology, Dindigul, Tamil Nadu, India from 17-Mar-2016 to 19-Mar-2016.
22. G.Venkatesan and K.Loganathan, "Experimental Investigation of Recycled Coarse Aggregate using Concrete" presented in an International level conference on Recent Trends in Mechanical and Civil Engineering (ICRTMCE'16), organised by Christian College of Engineering and Technology, Dindigul, Tamil Nadu, India from 17-Mar-2016 to 19-Mar-2016.
23. G.Venkatesan and R.Aishwarya, "Experimental Analysis of Light Weight Concrete" presented in a National level conference on Advances and Innovations in Civil Engineering (AICE'15), organised by Vel Tech High Tech Dr. Rangarajan and Dr. Sakunthala Engineering College, Chennai, Tamil Nadu, India from 15-Sep-2015.
24. G.Venkatesan and R.Aishwarya, "Strength Analysis of Concrete by using Iron Slab as Partial Replacement in Conventional Concrete" presented in a National level conference on Advances and Innovations in Civil Engineering (AICE'15), organised by Vel Tech High Tech Dr. Rangarajan and Dr. Sakunthala Engineering College, Chennai, Tamil Nadu, India from 15-Sep-2015.
25. G.Venkatesan and R.Aishwarya, "Experimental study on Foam Concrete" presented in a National level conference on Advances and Innovations in Civil Engineering (AICE'15), organised by Vel Tech High Tech Dr. Rangarajan and Dr. Sakunthala Engineering College, Chennai, Tamil Nadu, India from 15-Sep-2015.
26. G.Venkatesan and R.Aishwarya, "Experimental Investigation on Concrete by Partial Replacement using Floor Tiles" presented in a National level conference on Advances and Innovations in Civil Engineering (AICE'15), organised by Vel Tech High Tech Dr. Rangarajan and Dr. Sakunthala Engineering College, Chennai, Tamil Nadu, India from 15-Sep-2015.

27. G.Venkatesan and R.Aishwarya, "Ground Water Improvement Technique using RemoteSensing and GIS" presented in a National level conference on Advanced andInnovations in Civil and Mechanical Engineering (AICME 2014), organised by Vel Tech High Tech Dr. Rangarajan and Dr.Sakunthala Engineering College,Chennai, Tamil Nadu,India from 23-Aug-2014.
28. G.Venkatesan "Interlinking of Thamirabarani and Vaigai Rivers using Remote SensingTechniques" presented in a Second National conference on Latest Advancements inCivil Engineering (LACE 2012), organised by R.M.K. Engineering College, Chennai,Tamil Nadu, India from 21-Apr-2012.
29. G.Venkatesan "Interlinking of Thamirabarani and Vaigai Rivers using Remote SensingTechniques" presented in a National conference on Recent Trends in Civil Engineering,organised by Christian College of Engineering and Technology, Dindigal, Tamil Nadu,India from 30-Mar-2012.
30. G.Venkatesan "Interlinking of Thamirabarani and Vaigai Rivers using Remote SensingTechniques" presented in a National conference on Emerging Trends in CivilEngineering, organised by Roever College of Engineering and Technology, Perambalur,TamilNadu, India.In association with Council of Scientific and Industial Research (CSIR)from 30-Mar-2012.
31. Completed Training cum Interaction Program on "Research options in Sustainability of Groundwater Sources" held at Chennai on 25.08.2023, Conducted by Central Ground Water Board, South Eastern Coastal Region, Chennai and Centre Research, Anna University, Chennai.
32. Completed 12 Weeks NPTEL course and NPTEL-AICTE Faculty Development Programme on "Introduction to Internet of Things (IoT)" conducting during January –Apr 2023, funded by MHRD, Govt. of India.
33. Completed Innovation Ambassador (IA) training "Foundation Level" (Total 15 Sessions of 30 contact hours) conducted in online mode by MoE's innovation Cell & AICTE during IIC calendar year 2022-23.
34. Completed Innovation Ambassador (IA) training "Advanced Level" (Total 15 Sessions of 30 contact hours) conducted in online mode by MoE's innovation Cell & AICTE during IIC calendar year 2022-23.
35. Participated and completed successfully completed the Part 1 of the online UHV Refresher 1 FDP organized by All India Council for Technical Education (AICTE) from 7th February, 2022 to 11th February, 2022.
36. Participated and completed successfully completed the Two Weeks Short Term Training Programme through ICT Mode on Environmental Pollution: Laboratory and Testing organised by the National Institute of Technical Teachers' Training and Research (NITTTR) Kolkata, from 17th January to 28th January, 2022.
37. Participated and completed successfully completed in the Webinar on "Drone Policy and Application in Reference to Remote Sensing Data Analysis" organized by Symbiosis Institute Geoinformatics on 15th January, 2022.
38. Participated and completed successfully completed the two days national level workshop on "Lean Concepts and Impact Assessments towards sustainability in Indian Construction Industry" held during 10th and 11th January, 2022, Organized by Division of Structural Engineering, Department of Civil Engineering, Anna University, Chennai-25.

39. Participated and completed successfully completed in IP Awareness/Training program under National Intellectual Property Awareness Mission on January 29, 2022. Organized by Intellectual Property Office, India.
40. Participated and completed successfully completed the online Six day Short term training programme Sponsored by AICTE & Organized by Anna University, Chennai on Avenues for Energy Conservation in Residential Buildings conducted by the Institute of Energy Studies, Anna University, Chennai-25, on 24.01.2022 to 31.01.2022.
41. AICTE – RGPV TTP organized at Acropolis Institute of Technology & Research, Indore “GIS & Remote Sensing Application and Techniques ” in Rajiv Gandhi ProudyogParticipated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on “GIS and Remote Sensing” in University College of Engineering, JNTU Kakinada, held on 04 - January-2021 to 08-January-2021.
42. Participated and completed successfully on AICTE - Sponsored Six Days Online STTP on “Disaster Risk Management - Phase II” organized by the Department of Civil Engineering, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli from 06th December 2021 to 11th December 2021.
43. Participated and completed successfully on “AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)” in AICTE, New Delhi, held on 13- September-2021 to 17- September-2021.
44. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on “Modern Trends in Civil Engineering & Construction Industry” in College of Engineering Kidangoor, New Delhi, held on 02-August-2021 to 06- August2021.
45. Participated and completed successfully Three days faculty development program on “Industrial Revolution 4.0: Future opportunities and challenges in Civil Engineering” in Department of Civil Engineering from M S Ramaiah Institute of Technology, Bangalore, held on 28-July-2021 to 30-July-2021.
46. Participated and completed successfully AICTE – RGPV TTP organized at Acropolis Institute of Technology & Research, Indore “GIS & Remote Sensing Application and Techniques” in Rajiv Gandhi ProudyogParticipated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on “GIS and Remote Sensing” in University College of Engineering, JNTU Kakinada, held on 04 - January-2021 to 08- January-2021.
47. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on “Waste Technology” in Dr.M.G.R Educational and Research Institute, Chennai, held on 26-October-2020 to 30-October-2020.
48. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on “Geospatial Technologies for Smart Cities Development” in Kumaraguru College of Technology, Coimbatore, held on 19-October-2020 to 23- October-2020.
49. Participated in the AICTE – Sponsored online Short-Term Training Programme (STTP) on “expanding horizons of nanotechnology in engineering medicine and biotechnology” in Coimbatore Institute of Technology, Coimbatore, held on 21- September-2020 to 26- September-2020.
50. Participated and completed successfully AICTE Sponsored online Short-Term Training Programme (STTP) on “Artificial Intelligence and Machine Learning Algorithms for Cyber Security Solutions” in SA Engineering College, Chennai, held on 23-November- 2020 to 28-November-2020.

51. Participated in the TEQIP-III Sponsored Short Term Training Programme on “Research Avenues, Field Practices and Case Studies in Geotechnical Engineering” in Government College of Technology, Coimbatore, held on 16-June-2020 to 22-June-2020.
52. Participated in the One Day International Level webinar on “Design Concepts in Raft Foundation for High Rise Buildings” in Kuppam Engineering College, Kuppam, Andhra Pradesh, in association with the Indian Concrete Institute, held on 18-July- 2020.
53. Participated in the National level webinar on “Fundamentals of Applied Mathematics” organized by the Department of Mathematics, Selvamm Arts & Science College (Autonomous), Namakkal, Tamil Nadu, India, on 27-July-2020.
54. Participated in the Short Term Training Programme on “Wastewater Engineering” in Anna University, Chennai, jointly sponsored by AICTE, Delhi held on 09-Dec- 2019 to 13-Dec-2019.
55. Completed 8 Weeks NPTEL course and NPTEL-AICTE Faculty Development Programme on “Digital Land Surveying and Mapping” conducting during January – Apr 2019, funded by MHRD, Govt. of India.
56. Participated in the National Level Workshop on “Recent Advancement in Water Quality Monitoring and Sustainable Management for Human Health Care(Water Care-2019)” in Sri Shakthi Institute of Engineering and Technology, Coimbatore, held on 3-Jan-2019 to 5-Jan-2019.
57. Participated in One day Workshop on “R Programming” organized by the Teachin Learning Centre, ICT at IIT Bombay, PMMMNMTT, MHRD held at Priyadarshini Engineering College, Vaniyambadi, on 9-Nov-2019.
58. Participated in One day Workshop on “Python” organized by the Teachin Learning Centre, ICT at IIT Bombay, PMMMNMTT, MHRD, held at Priyadarshini Engineering College, Vaniyambadi, on 22-Jun-2019.
59. Participated in the National level workshop on “How to convert idea into Intellectual Property Rights (IPR)”, in Priyadarshini Engineering College, Vaniyambadi, Vellore Dist, held on 15-Jun-2018.
60. Participated in the Faculty Development Programme on “Role of Mentoring in Higher Education—A need for 21st Century”, in Priyadarshini Engineering College, Vaniyambadi, Vellore Dist, held on 21-May-2018.
61. Participated in the National level workshop on “Challenges in Engineering Research & Publications”, in Priyadarshini Engineering College, Vaniyambadi, Vellore Dist, held on 11-May-2018.
62. Participated in the National level workshop on “Research Methods”, in Priyadarshini Engineering College, Vaniyambadi, Vellore Dist, held on 31-Aug- 2018.
63. Participated in the National level workshop on “Intellectual Property Rights and Patents”, in Priyadarshini Engineering College, Vaniyambadi, Vellore Dist, held on 07-Sep-2018.
64. Participated in the National level workshop on “Myths and realities of R&D at Colleges: Opportunities, Challenge & Report Writing and Plagiarism Checking”, in Priyadarshini Engineering College, Vaniyambadi, Vellore Dist, held on 18-Nov- 2017.
65. Participated in the National level workshop on “Intellectual Property Rights and Innovations”, in Priyadarshini Engineering College, Vaniyambadi, Vellore Dist, held on 14-Dec-2017.

66. Participated in the Faculty Development Programme on “Teaching and Learning Enhancement through Outcome Based Education” in Valliammai Engineering College, Chennai, held on 7-Dec-2017 to 8-Dec-2017.
67. Participated in the Faculty Development Training Programme on “Environmental Management for Sustainable Development” in Bannari Amman Institute of Technology, Erode, held on 17-Apr-2017 to 21-Apr-2017.
68. Participated in the Faculty Development Programme on “GIS and GPS” in Knowledge Institute of Technology, Salem, held on 18-May-2016.
69. Participated in the National Seminar on “ Latest Trends in Concrete Technology”, in Priyadarshini Engineering College, Vaniyambadi, Vellore Dist, held on 13-Apr-2016.
70. Participated in the National Seminar on “Case Studies in Geotechnical Engineering”, in Anna University, Chennai, held on 21-Mar-2016.
71. Participated in the National Level Workshop on “Environmental Degradation Due to Industrial Pollution” in Saveetha Engineering College, Chennai, held on 14 -Sep- 2015 to 16-Sep-2015.
72. Participated in the National Level Workshop on “Modeling Techniques used for Environmental and Hydrological Systems” in Priyadarshini Engineering College, Vaniyambadi, held on 11-Sep-2015.
73. Participated in the National Seminar on “Remote Sensing and GIS Applications in Coastal Zone Management”, in Kongu Engineering College, Perundurai. Sponsored: MoES held on 17-July-2015.
74. Participated in the Faculty Development Programme on “Dynamics of Soils and Foundation” , NIT, Calicut, Kerala held on 26-May-2014 to 31-May-2014.
75. Participated in the Faculty Development Programme on “Research Methodologies in Engineering and Technology” in Vel Tech High Tech Dr.Rangarajan and Dr.Sagunthala Engineering College, Chennai, held on 08-May- 2014 to 09-May-2014.
76. Participated in the National Seminar on “Recent Trends in Computer Aided Design-RTCAD’14” in Vel Tech High Tech Dr.Rangarajan and Dr.Sagunthala Engineering College, Chennai, held on 30-Apr-2014.
77. Participated in the Faculty Development Programme on “Modelling Techniques for Environmental and Hydrological Systems”, NIT, Calicut, Kerala, held on 08- Dec-2013 to 14-Dec-2013.
78. Participated in the Faculty Development Programme on “Teaching Methodologies” in Vel tech High tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, held on July 2013.
79. Participated in the Faculty Development Programme on “CE2302-Structural Analysis-I”, Anna University (CEG), Chennai, held on 05-June-2013 to 12-June- 2013.
80. Participated in the Society of Geologists meet on “Growth and Advantages of the Geological Sciences” from CEG, Anna University, Chennai, held on 18-Feb-2011 to 19- Feb-2011.
81. Participated in National Level one day Seminar on “Impacts of Climate Change” in Sri Krishna College of Technology, Coimbatore, held on 24-Jan-2012.

PROFESSIONAL MEMBERSHIPS:

- Life Member in Institute of Engineers India (AMIE).
- Life Member of the Institute of Scholars (InSc).
- Life Member in VD Goods Technology Factory.
- Life Member of the International Society for Research and Development (ISRDR).
- Life Member of the International Organization of Scientific Research and Development (IOSRD).

OTHER DETAILS (If any):

- Organized and Received the Amount of Rs.30,000/- for Two days All India Seminar along with IEI-Kanchepuram Local chapter on "Remote Sensing & GIS Applications on Water Resources Engineering", 03-March-2023 to 04-March-2023.
- G.Venkatesan "Assessment of Environmental Degradation due to Industrial Pollution" presented in a National level seminar on Signal Processing, Statistics and Analysis, organised by Department of Electronics and Communication Engineering, Priyadarshini Engineering College, Vaniyamabadi, Tamil Nadu, India, sponsored by The Institution of Engineers(India), from 08-July-2019 to 09-July- 2019.
- G.Venkatesan "Dairy Industry wastewater treatment using Tamarind kernal seed powder" presented in a National level seminar on Multi challenges in water and wastewater treatment technologies(MCWWTT'14), organised by Department of Civil Engineering, VelTech HighTech Dr.Rangarajan and Dr.Sakunthala Engineering College,Chennai, Tamil Nadu, India, sponsored by All India Council for Technical Education, New Delh, from 24-Jan-2014.
- G.Venkatesan "Possibility studies and Parameter finding for Interlinking of Thamirabarani and Vaigai Rivers in Tamil Nadu" presented in a National level seminar on Quest for Innovations in Civil Engineering (QICE'13), organised by Department of Civil Engineering, VelTech HighTech Dr.Rangarajan and Dr.Sakunthala Engineering College, Chennai, Tamil Nadu, India, sponsored by Council of Scientific and Industrial Research, New Delh, from 30-Oct-2013.
- One Month Practical Training work in GPS Survey and Mapping using ARC GIS along the lower boundary of Reserved Forests in Western Ghats area of Tirunelveli Forest Division, State Government, Tamil Nadu.
- Identification of Bus Route in Chennai city using GIS Software for Metro Work construction.