

CURRICULUM VITAE

Dr.V.RAJAGOPALAN
Assistant Professor (Sr.Gr.)
Department of Civil Engineering
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➤ **Research Area:**

- Water and Wastewater Treatment
- Landfill Liner and Landfill Bioreactor
- Solid and Hazardous Waste Management
- Microbial contaminants studies
- Climate change and its adaptation

➤ **Educational Qualifications:**

Qualification	Department	Year of completion	Percentage	Class
Ph.D(Environmental Engg)	Civil Engineering (Anna University)	2017	Highly commended	
M.E. (Environmental Mgmt.)	Civil Engineering (CEG Chennai)	2006	7.96 CGPA	First Class
B.E. (Civil Engg)	Civil Engineering (GCE Salem)	1999	69.25%	First Class
D.C.E. (Civil Engg)	Civil Engineering (SIT Trichy)	1996	83.25%	First Class Honors

Experience: 22 Years of experience in Teaching and Research

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
University College of Engineering, BIT Campus, Anna University, Trichy	Assistant Professor (Sr.Gr.)	11-09-2014	Till date	9.0
University College of Engineering, BIT Campus, Anna University, Trichy	Assistant Professor	11-09-2009	10.09.2014	5.0
Valliammai Engineering College, Katankulathur Chennai	Senior Lecturer	13-03-2006	23.06.2009	3.3
Dhanalakshmi College of Engineering, Chennai	Lecturer	21-08-2001	10-03-2006	4.6
AC College of Engg and Tech, Karaikudi.	Lecturer	04-07-2000	10-08-2001	1.1

➤ **Awards / Honours Received:**

➤ **Awards**

1. **NPTEL Discipline Star (2023)** in Civil Engineering recognized by SWAYAM initiated by Government of India during Jan-May 2023.
2. **Best paper award (2019)** for the title of 'Leachate abatement from municipal solid waste landfill by using Geo-synthetic liner material in 4th National conference on Advances in Civil Engineering', (NCACE'19) Organized by Department of Civil Engineering, VV College of Engineering, Sathankulam, Thoothukudi held on 09.03.2019.
3. **Best Scientist award (2018)** received from Indian Academic Researchers Association held on 21.04.2018 at Syed Husainuddin Hall, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu, India.
4. **Innovative Technological Research Award (2018)** received from The Society of Educationalist & Scientific Research Professional-Chennai held on 25.03.2018 at le meridian Coimbatore.
5. **Best paper award (2014)** for the title of 'Microbial fuel cell using Electro-oxidised organic leather waste in National level seminar on Electrochemical and Chemical Technology', CSIR-Central Electrochemical Research Institute (CSIR - CECRI), Karaikudi.
6. **Best Teacher Award (2008)** received from SRM Valliammai Engineering College, Chennai.
7. **General Proficiency award (1996)** received from Seshasayee Institute of Technology, Trichy.

➤ **Honours**

1. **Secured cent percent result (2021)** in Wastewater Engineering in Anna University Examination held during Apr-May 2021.
2. **Secured cent percent result (2021)** in Industrial wastewater Management in Anna University Examination held during Apr-May 2021.
3. **Secured cent percent result (2021)** in Municipal Solid Waste Management in Anna University Examination held during Nov-Dec 2021.
4. **Secured cent percent result (2021)** in Environmental Impact Assessment in Anna University Examination held during Nov-Dec 2021.
5. **Acted as Prime interviewer (2018)** in the panel of faculty recruitment for the post of Assistant and Associate Professor, department of Civil Engineering, Mount Zion College of Engineering and Technology, Pudukottai held on 17.05.2018.
6. **Selected to present (2017)** a topic on prevention of heavy metals transport by clay admixture in landfill liner system in the Brainstorming Session on Environmental Geotechniques at goa sponsored by **Department of Science and Technology, SERB** Government of India.

➤ **Additional / Academic Responsibilities at University:**

1. Member Anti-Ragging Committee
2. Placement Coordinator
3. Member Annual Cultural Fest Monitoring Committee
4. Member Bus Facility Committee
5. Member Graduation Day Committee
6. In-charge Environmental Microbiology Laboratory
7. In-charge Computer Aided Drafting Laboratory
8. Class Advisor for II year B.E. Civil Engineering Students
9. Care Taker- One Day Field Visit related to Subject Handled
10. Care Taker – Students Industrial Tour

➤ **Membership of Scientific and Professional Societies:**

1. Life Member in National Solid Waste Association of India, Mumbai.
2. Life Member in Institution Public Health Engg Association India.# LM-1593
3. Life Member in Indian Geotechnical Society, New Delhi, India.# LM-4102
4. Life Member in Indian Water Works Association, Mumbai,, India.# LM-8615
5. Life member in Indian Society for Technical Education, New Delhi. LM 61699
6. Life Member in Society of Innovative Educationalist and Scientific Research Professional, Chennai

➤ **Fellowships and Grants received:**

- **Presented a titled ‘Prevention of heavy metals transport by clay admixture in landfill liner system’ in ‘Brain Storming Session on Environmental Geotechnics’ held on January 24-25, 2017, at Goa Organized by Department of Civil Engineering, Indian Institute of Technology Bombay, Mumbai, under the aegis of Science and Engineering Research Board (SERB), fully sponsored including travel expenses by **Department of Science and Technology (DST) India.****

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 44 Nos
- b. Number of UG Project Completed: 32 batches

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.		Nil		

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	Kokila S	Investigation on Micro Structural Characteristics of GGBS and RHA Based on SCC	2017	Ongoing
2.	Vijayprakash M	Experimental studies of Biofilms in water distribution system and their impacts	2018	Ongoing
3.	Abraham Ponsingh B	Optimizing the Photocatalytic Degradation of Organic Pollutants and Heavy metals in waste water	2018	Ongoing
4.	Yuvaraja N.	Climate and its impact on Agricultural productivity in Tiruchirappalli District	2019	Ongoing

➤ **Publications: 90**

a. Books / book chapters:

1. G.Venkatesan, V.Rajagopalan (2020), National Conference on Recent trends in Civil and Environmental Engineering , Jiazym publication, ISBN 9789387360679.
2. Rajagopalan varadarajan and Abdul Majeeth Bathusha., “Non-Point Source Pollutants From Motor Vehicles: Effects and Control”, G. Venkatesan and Jaganthan Thirumal (Eds). Global perspectives on air pollution prevention and control system design (Title of Book), IGI Global, 2019, pp. 227-238. ISBN 9781522572893 (hardcover) | ISBN 9781522572909 (ebook).
3. Rajagopalan Varadarajan, Manjula Gopinathan and Abirami Mani., “Reclamation and Reuse of Grey Water: A Beneficiary Solution for the Water Demand Issues”, Wastewater Treatment: Processes, Uses and Importance (Title of Book), Nova Science publishers, 2019 ISBN: 978-1-53616-370-4.
4. Mechanics of Solids-(Vernacular book in Tamil medium) Publisher: Anna University of Technology, Tiruchirappalli, March 2011.

b. International Journals:

1. J Jasmine, **V Rajagopalan** (2022) Permeable Reactive Barrier Using Bottom Ash and Clay for The Removal of Contaminants Present in Leachate. J Environ Pollut Control 5(3): 301 (Impact Factor: 2.1 ; DOI: 10.15744; ISSN: 2639-9288) <https://www.annexpublishers.com/articles/JEPC/5301-Permeable-Rective-Barrier.pdf>, Indexed Journal.

2. Vishnupriya A, **Rajagopalan V** (2022) Comparative Performance of Compacted Clay Liner (CCL) and Geosynthetic Clay Liner (GCL). J Bioanal Methods Tech 2(1):103 <https://www.annexpublishers.com/articles/JBMT/2103-Comparative-Performance-of-Compacted-Clay.pdf>, Indexed Journal.
3. Raju Meganathan and **Rajagopalan Varadarajan**, (2021), "Electro-oxidation of fish meal industry wastewater in a stirred batch reactor using a Ti/RuO₂ anode", Water Practice & Technology Vol. 16, No. 4, 1488-1497. <https://doi.org/10.2166/wpt.2021.087>. ISSN: 00167622 (Impact factor: 1.6, H index:15) Indexed and Listed by UGC.
4. **Rajagopalan Varadarajan**, Sivasharmina Muthupandiyan, Jeyahamsini Manika Kannan, Santhoshkumar Thangaraju, Gajendran Thozhan., (2021)," Effects of neonicotinoid in surface water and soil in sugarcane field at ariyalur and namakkal districts", Environmental Engineering and Management Journal, Vol. 20, No. 2, 283-290. <https://doi.org/10.30638/eemj.2021.028>. ISSN: 1582-9596 (Impact factor: 0.858, H index:35) Indexed and Listed by UGC.
5. **V. Rajagopalan**, Raju M., Manonmani M., (2020), "Study on electrochemical advanced oxidation process to treat fish meal industry wastewater", Environmental Engineering and Management Journal, Vol. 19, No. 12, 2179-2185. <https://doi.org/10.30638/EEMJ.2020.205>. ISSN: 1582-9596 (Impact factor: 0.858, H index:35) Indexed and Listed by UGC.
6. **V. Rajagopalan**, M. Abirami, N. Yuvaraja, (2020) Photo degradation of contaminants in bathroom wastewater under UV illumination source, Materials Today: Proceedings-Elsevier. Vol. 33, No. 7, 2697-2700 <https://doi.org/10.1016/j.matpr.2020.01.389>. ISSN : 2214-7853 (Impact factor : 3.2, H index : 47) Indexed and Listed by UGC.
7. Muthukumaran A. and **Rajagopalan V.** (2017), "Experimental study on partial replacement of sand with M-sand and cement with dolomite powder in cement concrete", International Journal of Civil Engineering and Technology, Vol.8, No.6, pp 1054-1060. <http://iaeme.com/Home/issue/IJCIET?Volume=8&Issue=6>. ISSN : 0976-6308. (Impact factor : 2.081, H index : 23)
8. Venkatesan.G. and **Rajagopalan V.** (2016), "Adsorption kinetic models for the removal of Cu(II) from aqueous solution by clay liners in landfills ", International Journal of Environmental Science and Technology, Vol.13, pp 1123-1130. <https://doi.org/10.1007/s13762-016-0951-1> ISSN: 1735-1472 (print version), ISSN: 1735-2630 (electronic version) (Impact Factor: 3.519, H Index: 40) Indexed and Listed by UGC.
9. **Rajagopalan V.** and Venkatesan.G. (2016), "Removal of Copper Using Clay Admixed with Quarry Fines as Landfill Liners ", Polish Journal of Environmental Studies. Vol. 25, No. 1, pp 377-384. <https://doi.org/10.15244/pjoes/59500>, ISSN: 1230-1485, (Impact Factor: 1.871, H Index: 30), Indexed and Listed by UGC.
10. Babitha and **Rajagopalan V.** (2016) Wind analysis on a rectangular building model, International Journal of Research and Reviews in Applied Sciences and Engineering, Vol. 8. No. 1, pp 192-196. ISSN: 2231-0061

11. G. Venkatesan, **Rajagopalan V.**, B.K. Ramesh, K. Arokiyadoss, Arun Jesudoss, Shanmugasundaram and N. Sridhar, (2016) 'Feasibility Study on Construction of Sewage Treatment Plant at College Campus, Asian Journal of Water, Environment and Pollution, Vol. 13, No. 4, pp. 83–87. <https://doi.org/10.3233/AJW-160042>, ISSN: 0972-9860, pp 1875-8568, (Impact Factor: 0.5, H Index: 13) Indexed and Listed by UGC.
12. Senthilkumar Ariyamuthu, **Rajagopalan V.** (2015) 'Experimental Study on Effects of Shredded Waste Plastics in Rigid Pavements', International Journal of Emerging Technology & Advanced Engineering, Volume 5, Issue 2, pp 453-457. ISSN 2250–2459
13. G. Venkatesan, **Rajagopalan V.** and M. Selvaraj, (2014) 'Groundwater Quality Assessment around Tanneries at Tiruchirappalli, India', Asian Journal of Water, Environment and Pollution, Vol. 11, No. 4, pp 51–57 ISSN: 0972-9860, (Impact Factor: 0.5, H index: 13) Indexed and Listed by UGC.

C. National Journals:

1. **V. Rajagopalan**, Raju M., Manonmani M., (2020), "A review on electrochemical advanced oxidation process to treat fish meal industry wastewater", South Asian Journal of Engineering and Technology (SAJET) E-ISSN: (2454-9614) , Vol. 10, No. 1, 5-8. <https://doi.org/10.26524/sajet10120>.
2. **Rajagopalan V.**, Sivasharmina M, Jeyahamsini K S., (2020), "Effects of neonicotinoids in soil and water in agricultural fields: a review", South Asian Journal of Engineering and Technology (SAJET) E-ISSN: (2454-9614) , Vol. 10, No. 1, 12-15. <https://doi.org/10.26524/sajet10120>.
3. Manjula, G., **V. Rajagopalan** and N.T. Nayahi, (2019), "Environmental assessment of solid waste dump site", Journal of Environmental Biology, Vol. 40, No. 4 (Special Issue) pp. 758-762. [https://doi.org/10.22438/jeb/40/4\(si\)/jeb_12](https://doi.org/10.22438/jeb/40/4(si)/jeb_12). ISSN : 0254-8704 (Impact factor : 0.703 H index: 48) Indexed and Listed by UGC.
4. Rajagopal S. and **Rajagopalan V.**, (Aug 2018), "Water Quality Index and Microbial Population Assessment for Ground Water", Journal of Environmental Nanotechnology, Vol. 7 No. 03, pp 60-62. <https://doi.org/10.13074/jent.2018.09.183323> ISSN: 2279-0748 .
5. **Rajagopalan V.**, Abraham Ponsingh B. and Karthikeyan V. (2018), "Removal of chromium using photocatalytic reactor", Journal of Environmental Research and Development, Vol. 12, No. 04, pp 420-424. ISSN: 2319-5983 (Impact factor : 0.453, H index : 48) Indexed Journal.
6. **Rajagopalan V.**, Thanammal and G. Venkatesan (2017), "Waste water reduction and recovery from steel plant effluent", Journal of the Institution of public health engineers, India, Vol. 45, No.3, pp 34-38. ISSN : 0970-3195. Indexed Journal.
7. **Rajagopalan V.**, S. Priyanka and V. Karthikeyan (2017), "Comparative study of gasoline oil with extracted fuel from degradation of waste plastics by pyrolysis", Pollution Research Vol. 36, No. 4, pp 172-176. ISSN: 0257-8050. (Impact Factor: 0.221, H index: 23) Indexed and Listed by UGC.

8. **Rajagopalan V.**, T. Vinothini and V. Karthikeyan (2017), "Evaluation of Groundwater Quality in Noyyal River Basin", Indian Journal of Environmental Protection Vol.37 No.7, pp 544-548. ISSN : 0253-7141 (Impact Factor: 0.2, H index: 18) Indexed and Listed by UGC.
9. **Rajagopalan V.**, G. Venkatesan (2016), 'Geotechnical characteristics of clay admixed with quarry fines as potential liner material', Journal of the Institution of public health engineers, India, Vol. 43, No. 4, pp 12-15. ISSN : 0970-3195. Indexed Journal.
10. P.Raghavi and **Rajagopalan V.** (2014), 'Experimental Study on Leachate Characteristics and its Effect on Groundwater Quality', Indian Journal of Environmental Protection Vol.34, No.1, pp 55-60. ISSN : 0253-7141 (Impact Factor: 0.2, H index: 18) Indexed and Listed by UGC.
11. **Rajagopalan V.** and Venkatesan G, (2013) Experimental Analysis to Utilize the Solid Wastes in Brick Production, Journal of Environmental Science and Engineering Vol.55 No.3 pp 343-350. ISSN : 0367-827X, Indexed and Listed by UGC.
12. **Rajagopalan V.** and Ushanatesan (2011), 'Delineation of Shoreline Changes using Remote Sensing and Geographical Information System', International Journal of Applied Engineering Research Vol.6, No.10 pp. pp 1219-1226. ISSN : 0973-4562 Indexed and Listed by UGC.

➤ **Patents: Nil**

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
1	Comparative study on clay soil stabilization with silica fume and fly ash for engineering applications	Tamilnadu State Council for Science and Technology, Chennai	Rs.7500/-	6 Months	Completed
2	Study on of electrochemical advanced oxidation process to treat fish meal industry wastewater	Centre for Technology Development and Transfer, Anna University, Chennai	Rs. 25000/-	6 Months	Completed
3	Effects of neonicotinoids in surface water and soil in sugarcane field at Ariyalur and Namakkal districts	Centre for Technology Development and Transfer, Anna University, Chennai	Rs. 25000/-	6 Months	Completed
4	Experimental Analysis to replace fine aggregate by Bottom ash and Baggase ash	Tamilnadu State Council for Science and Technology, Chennai,	Rs.10000/-	6 Months	Completed

➤ **Consultancy Activities:**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount (Rs.)	Duration
1	Validation of the proposed sewage treatment plant and effluent treatment plant design	PI	Mukesh and Associates Salem	3.0	3 Months
2	Design adequacy of sewage treatment plant	PI	Red Sea Eco Solution and Instrument P Ltd, Chennai.	4.2716	6 Months
3	Detailed Project Report (DPR) for construction of tail end structure “conducting surveying and leveling, sub soil investigation and model studies for the construction of tail end wall across coleroon river to arrest sea water intrusion at in Nagapattinam district” , Provision of Environmental study.	Co PI	PWD/WRD, Government of Tamilnadu	3.3	6 Months
4	Ambient air quality Monitoring survey for climate adaptation in Vennar sub basin in Cauvery delta project and for the proposed Desilting of Vagai Dam Reservoir , Mettur dam.	Co PI	Wapcos Limited, Ministry Of Water Resources, River Development and Ganga Rejuvenation	5.0816	1 Year
5	Analysis of water and soil samples for EIA study for climate adaptation in Vennar sub basin in Cauvery delta project the proposed Desilting of Vagai Dam Reservoir, Mettur dam.	PI	Wapcos Limited, Ministry Of Water Resources, River Development and Ganga Rejuvenation	3.651	1Year

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

- Online live National Conference on Recent Trends in Civil and Environmental Engineering Organized by Department of Civil Engineering in Bharathidasan Institute of Technology, Tiruchirappalli, held on 19.08.2020.
- Coordinator in Six day Faculty Development Programme on CE8302 Fluid Mechanics, Sponsored by Centre for Faculty Development, Anna University Chennai, conducted in the Department of Civil Engineering, University College of Engineering , Tiruchirappalli, held between 24.06.2019 and 29.06.2019.
- Coordinator in one day workshop on Hands-on Training on Software Applications in Civil Engineering, Organized by Department of Civil Engineering in University College of Engineering , Tiruchirappalli, held on 21st March 2018.
- Coordinator in TEQIP II sponsored Industrial workshop on Novel approaches in Civil Engineering, Organized by Department of Civil Engineering in Bharathidasan Institute of Technology, Tiruchirappalli, held on 30th and 31st August 2016.
- Organizing Secretary in TEQIP II Sponsored International conference on Environmental Geotechnics (ICEGEO'14), Organized by Department of Civil Engineering in Bharathidasan Institute of Technology , Tiruchirappalli, held on 30th and 31st October 2014.
- Co-Convener in TEQIP II sponsored National conference on recent trends in Civil and Environmental Engineering, Organized by Department of Civil Engineering in Bharathidasan Institute of Technology, Tiruchirappalli, 21st and 22nd March 2014.
- Coordinator in TEQIP II Sponsored two Days Seminar on Recent Trends in Irrigation Engineering, Organized by Department of Civil Engineering in Bharathidasan Institute of Technology, Tiruchirappalli held on 10th - 11th, October 2013.
- Coordinator of one day workshop on Sustainable Municipal Solid Waste Management (SMSWM - 2010) Organized by Department of Civil Engineering Anna University of Technology, Tiruchirappalli held on 4th October 2010.

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

- Four-Week Faculty Induction/Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education from 23 April – 22 May, 2023 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 31 st January, 2022 to 4 th February, 2022.
- Two weeks Industrial Training Programme in Civil Engineering (2021) in Planning and Design Division, Water Resources Department – Public Works Department, Government of Tamil Nadu, Tiruchirappalli during 18.08.2021 to 31.08.2021.

- Two weeks online Faculty development programme (2020), “ ICT Tools for Teaching, Learning Process & Institutes” organized by PDPM, IIT- Jabalpur in association with UCE BIUT Campus Tiruchirappalli, during 10.08.2020 to 21.08.2020. (14 Days). Ministry of electronics and information technology (MeitY).
- Three weeks Industrial Training (2020), “Telecom Tower Construction” organized by Rajiv Gandhi Memorial Telecom Training Centre (BSNL- A Govt. of India Enterprise), Chennai during 15.05.2020 to 05.06.2020.
- AICTE sponsored Two weeks Faculty development programme (2019), “Analysis and limit state design of structural steel work as per IS 1893-2016 and IS 800-2007” organized by Department of Civil Engineering, Government College of Engineering, Salem during 13.11.2019 to 26.11.2019 (14 Days).
- Faculty development programme (2018), “Training of Trainers on Integrating Climate Change Adaptation in Development” under the series of Capacity Building Programmes on Climate Change Adaptation organized by Centre for on Climate Change and Adaptation Research, Anna University Chennai during 29.11.2018 to 04.12.2018. (6 Days).
- Seminar (2017), “Dynamics of Soils and Foundations”, organized by Indian Geotechnical Society, Trichy Chapter in association with Department of Civil Engineering, National Institute of Technology, Tiruchirappalli during 14.10.2017 (1 Day).
- Faculty development programme (2016), “Enhancing class room communication” organized by Department of English, Bharathidasan Institute of Technology, Tiruchirappalli during 18.07.2016 to 31.07.2016. (14 Days).
- Faculty development programme (2016), “Prefabricated Structures” organized by Department of Civil Engineering, Bharathidasan Institute of Technology , Tiruchirappalli during 04.06.2016 to 17.06.2016 (14 Days).
- Faculty development programme (2015), “Application of GIS and Remote Sensing” organized by Department of Civil Engineering, Bharathidasan Institute of Technology, Tiruchirappalli during 24.04.2015 to 30.04.2015 (7 Days).
- Faculty development programme (2015), “Sustainable Technologies for Waste to Energy” organized by Department of Civil Engineering, Government College of Technology, Coimbatore during 10.08.2015 to 14.08.2015 (5 Days).
- Faculty development programme (2013), “Smart Teaching for the NET Generation (Basic and Advanced Pedagogy)” Organised by National Institute of Technical Teachers Training and Research, Chennai during 09.12.2013 to 23.12.2013 (15 Days).
- Faculty development programme (2013), “Advances in Building Technology” Organised by Department of Civil Engineering, Bharathidasan Institute of Technology, Tiruchirappalli during 19.08.2013 to 25.08.2013 (7 Days).
- Faculty Development Programme (2013), “Academic Leadership Programme” organized by Shruth & Smith foundation at Hotel Sai Vishram, Bengaluru during 09.07.2013 to 12.07.2013 (4 Days).

- Faculty Development Programme (2013), “Computational Techniques and its applications in Engineering Research” organized by Pondicherry Engineering College, Pondicherry during 27.05.2013 to 07.06.2013 (12 Days).
- Short term course (2013), “Research Methodology, Techniques of Writing Research Articles and Ph.D. Thesis Preparation” organized by Department of Civil Engineering, Anna University-Chennai during 09.03.2013 (1 Day)
- National Seminar (2013), “Intellectual Property Rights and Biotechnology” organized by Department of Biotechnology, Anna University-BIT Campus, Tiruchirappalli during 22.02.2013 (1 Day).
- Seminar (2011), “Research Methodology” organized by Centre for Research ,Anna University of Technology, Tiruchirappalli during 27.08.2011 (1 Day).
- Workshop (2010), “Indo-US Workshop on Forensic Engineering” at National Institute of Technology, Tiruchirappalli during 15.12.2010 to 17.12.2010 (3 Days).
- Summer school (2008), “Remote sensing and Geographical Information System Applications in Urban and Regional Planning”, organized by Institute of Remote Sensing, Anna University Chennai during 21.10.2008 to 29.11.2008 (40 Days).
- Summer school (2008), “Disaster Management and Earthquake Resistant Structures” organized by NITTTR, Chennai during 21.07.2008 to 26.07.2008 (6 Days).

Swayam MOOC Course:

- AICTE Approved FDP NPTEL course on Remote Sensing: Principles and Applications (12 Weeks) on the SWAYAM platform under Ministry of HRD Govt. of India from January 2023 to April 2023.
- AICTE Approved FDP NPTEL course Integrated Waste Management for a Smart City (12 Weeks) on the SWAYAM platform under Ministry of HRD Govt. of India Jul 2022 to Oct 2022
- AICTE Approved FDP NPTEL course Air pollution and Control (12 Weeks) on the SWAYAM platform under Ministry of HRD Govt. of India January 2022 to April 2022.
- AICTE Approved FDP NPTEL course on Municipal Solid Waste Management (12 Weeks) on the SWAYAM platform under Ministry of HRD Govt. of India from Jul 2021 to Oct 2021.
- AICTE Approved FDP NPTEL course on Water Supplying Engineering (12 Weeks) on the SWAYAM platform under Ministry of HRD Govt. of India from Jan 2020 to Apr 2020.

➤ **National / International Conferences organized / Participated:**

- **International Conferences:24**

1. Rajagopalan V and Jasmine J, (2022) ‘Investigation on Permeable Reactive Barrier using Bottom Ash and Clay for The Removal of contaminants Present in Leachate’ , *International Conference on Science and Technological Advancements for Reliable and*

Sustainable-Future organized by Department of Environmental Science, Bishop Heber College Tiruchirappalli, 16.11.2022.PP

2. Rajagopalan V, Venkatesan G, Smilee S and Nachiappan V, (2022) 'Study of micro plastic abundance, characteristic and composition in Uyyakondan canal, Tiruchirappalli', *International Conference on Science and Technological Advancements for Reliable and Sustainable-Future* organized by Department of Environmental Science Bishop Heber College Tiruchirappalli, 16.11.2022.PP
3. Jasmine and Rajagopalan V, (2022) 'Review on permeable reactive barrier using bottom ash and clay for the removal of contaminants present in leachate., Heber *International Conference on Climate Adaptation and Resilience, HICCAR 2022* organized by Department of Environmental Science Bishop Heber College Tiruchirappalli 23.04.2022.PP-52.
4. Vishnupriya A and Rajagopalan V, (2022) 'Comparative Performance of Compacted Clay Liner (CCL) and Geosynthetic Clay Liner (GCL)- A Review, Heber *International Conference on Climate Adaptation and Resilience, HICCAR 2022* organized by Department of Environmental Science Bishop Heber College Tiruchirappalli 23.04.2022.PP-54.
5. Rajagopalan V., M. Abirami and N. Yuvaraja, (2019), 'Photodegradation of Contaminants in Bathroom Wastewater Under UV Illumination Source, International Conference on Nanotechnology: Ideas, Innovations and Initiatives (ICN2K19), organized by the department of Mechanical Engineering, Microbiology, Syed Ammal Engineering College, Ramanathapuram held on 12-14 December 2019. PP-68.
6. Rajagopalan V. and Jaishree M. (2019), 'Comparative studies on efficiency of *Pseudomonas*; *Bacillus Subtilis*; *Cowdung* in composting, International Conference on Industry 4.0 and Advancements in Civil Engineering (i4ACE,19), organized by the department of Civil Engineering, PSG Institute of Technology and Applied Research, Coimbatore held on 21-23rd March 2019, pp 120-124, ISBN: 978-93-87862-53-1.
7. Rajagopalan V. and Subashini K. (2019), 'Heavy metals removals by constructed wetland using Aquatic weeds, International Conference on Industry 4.0 and Advancements in Civil Engineering (i4ACE,19), organized by the department of Civil Engineering, PSG Institute of Technology and Applied Research, Coimbatore held on 21-23rd March 2019, pp 228-231, ISBN: 978-93-87862-53-1.
8. Vinayagam A. and Rajagopalan V. (2019) 'Comparison of permeable pavement and impermeable pavement', 8th International Conference on Advanced Science and Engineering Research (ASER 2019), organized by Al-Ameen Engineering College, Erode, Tamil Nadu, India, on 23rd March 2019, pp. 53-55. ISBN: 978-81-923290-0-6
9. Karthick Rajashekar R. and Rajagopalan V. (2017) 'Isolation and staining of *Sphingomonas* and *Pseudomonas* for degradation of plastics', TEQIP II and CSIR sponsored International Conference on Energy and Environmental Systems -ICEES 2017 organized by the departments of Mechanical and Civil Engineering, BIT Campus, Anna University, Trichy on 10th & 12th March 2017 pp. 365-368.
10. Nivetha M and Rajagopalan V. (2017) 'Characterization of sizing mill unit waste sludge for biogas production', TEQIP II and CSIR sponsored International Conference on Energy and Environmental Systems-ICEES 2017 organized by the departments of

- Mechanical and Civil Engineering, BIT Campus, Anna University, Trichy on 10th & 12th March 2017 pp. 373-376.
11. Kiruthika S. and Rajagopalan V., (2017) 'Extraction of biocide from chrysanthemum cinerariaefolium and quality detection of pyretrin', TEQIP II and CSIR sponsored International Conference on Energy and Environmental Systems -ICEES 2017 organized by the departments of Mechanical and Civil Engineering, BIT Campus, Anna University, Trichy on 10th & 12th March 2017 pp. 305-307.
 12. Karthikeyan V, Santhoshkumar and Rajagopalan V., (2017) ' Characterization of Heavy metals contaminated soil for Phytoremediation study', TEQIP II and CSIR sponsored International Conference on Energy and Environmental Systems -ICEES 2017 organized by the departments of Mechanical and Civil Engineering, BIT Campus, Anna University, Trichy on 10th & 12th March 2017 pp. 300-304.
 13. Muthukumar A. and Rajagopalan V. (2017) 'Experimental study on partial replacement of sand with M-sand and cement with Dolomite powder in cement concrete', TEQIP II and CSIR sponsored International Conference on Energy and Environmental Systems -ICEES 2017 organized by the departments of Mechanical and Civil Engineering, BIT Campus, Anna University, Trichy on 10th & 12th March 2017 pp. 396-398.
 14. Rajagopalan V. and Venkatesan, (2016) 'Isotherm study on the Equilibrium Adsorption of Cadmium (II) from Aqueous solution by clay liner materials', International conference on Recent Developments in Civil and Environmental Engineering (ICRDCEE'16), organized by the departments of Civil Engineering, Alagappa Chettiar College of Engineering and Technology, Karaikudi, Tamilnadu on 24th & 25th October 2016 pp. 69-75.
 15. Priyanka.S, and Rajagopalan V. (2016) 'Characterization of waste plastics to recover the polymer using thermal degradation process' 2nd International Conference on Advanced Engineering and Technology for Sustainable Development – ICAETSD 2016 organized by the departments of Civil, Mechanical and Automobile Engineering, Karpagam College Of Engineering, Coimbatore on 19th & 20th February 2016.
 16. Vinothini T, and Rajagopalan V. (2016) 'Assesment on impact of textile industrial effluent On ground water quality in noyyal river region, Tirupur' 2nd International Conference on Advanced Engineering and Technology for Sustainable Development – ICAETSD 2016 organized by the departments of Civil, Mechanical and Automobile Engineering, Karpagam College Of Engineering, Coimbatore on 19th & 20th February 2016 pp 37-42.
 17. P.Thangamuthu and Rajagopalan V. (2014), "Sygium Cumini Seed Powder as Potential Adsorbent to Removal of Nickel from Aqueous Solution- a Review" in the TEQIP II Sponsored two day "International Conference on Environmental Geotechnics" organized by the Department of Civil Engineering held on 30& 31.10.2014 at Anna University, Bharathidasan Institute Of Technology, Tiruchirappalli pp-163-166.
 18. M.Rajkumar and Rajagopalan V. (2014), "Impact of Intensive Agricultural Practices on Ground Water Quality at Paramathi Velur Region" in the TEQIP II Sponsored two day "International Conference on Environmental Geotechnics" organized by the Department of Civil Engineering held on 30 & 31.10.2014 at Anna University, Bharathidasan Institute Of Technology, Tiruchirappalli. Pp-128-130.
 19. Poonguzhali R and Rajagopalan V.(2014), "Clean Development mechanism in municipal solid waste management" in the TEQIP II Sponsored two day "International Conference on Environmental Geotechnics" organized by the Department of Civil

Engineering held on 30 & 31.10.2014 at Anna University, Bharathidasan Institute of Technology, Tiruchirappalli pp-125-127.

20. Thanammal BM and Rajagopalan V. (2014), "Waste water reduction and metal recovery from steel plant effluent", 25th IPHE national convention on 'Environmental Engineering & 3rd International conference and Exhibition ENVISION 2025 jointly organized by IPHE, Chennai-Pondicherry Regional Centre and CLRI at Central Leather Research Institute, Chennai, pp 45, 12th to 14th March 2014.
21. P.Raghavi and Rajagopalan V. (2013), "Impact of Leachate on Groundwater Quality at Ariyamangalam Landfill Site Tiruchirappalli", Futuristic Innovations and Developments in Civil Engineering organized by Mepco Schlenk Engineering College, Sivakasi, held on 18-20th April 2013, ISBN 978-93-80624-88-4, pp-347-350.
22. Rajagopalan V., and Arun kumar J., (2013) "A batch studies on Adsorption of Chromium(VI) by using bentonite clay", Bio energy, Environment & Sustainable technologies organized by Arunai Engineering College sponsored by Department of Biotechnology, GoI, held on 27-30th January 2013, pp-36.
23. Rajagopalan V., G. Venkatesan and R. Nagarajan, (2011), "Municipal Solid Waste Characteristics at Landfill in Tiruchirappalli, India", 3rd International Conference (CUTSE 2011) Innovative Green Technology for Sustainable Management held at Curtin University, Sarawak, Malaysia, pp 828 - 917, 8th and 9th November 2011. ISBN: 978-983-44482-2-6.
24. Rajagopalan V., Ushanatesan and G. Venkatesan, (2010), "The Pattern of Seasonal Sediment Transport Mechanisms around Arichaimunai by Sediment Trend Matrix (STM)", Hydro science and Engineering organized by Indian Institute of Technology, Madras held on 02-05th August 2010, 317-326.

• **National Conferences:-37**

1. V.Rajagopalan, M.Manonmani (2020), 'A lab scale bioreactor for recovering the Nutrients from greywater', Online National Conference on "Recent Trends in Civil and environmental engineering (NCRTCEE'20), Organized by the Department of Civil Engineering, university college of engineering BIT Campus, Anna University, Trichy on 26th August 2020 pp-112-117. ISBN 978-93-87360-67-9
2. V.Rajagopalan, M.Sivasharmina (2020), 'Assessment of inorganic pollutants in soil due to the accumulation of municipal solid waste', National Conference on "Recent Trends in Civil and environmental engineering (NCRTCEE'20), Organized by the Department of Civil Engineering, BIT Campus, Anna University, Trichy on 26th August 2020 pp-135-140. ISBN 978-93-87360-67-9
3. N.Yuvaraja and Rajagopalan V. (2019), 'Climate Change and Agriculture: A review of implementing mitigation and adaptation measures, National Conference on Climate Change Driven challenges on Indian Biodiversity: Innovative Solutions for Sustainable Development, organized by the department of Microbiology, School of Life Sciences, Pondicherry University, Puducherry and National Academy of Biological Sciences (NABS, Chennai held on 25-27 September 2019, pp-56.
4. V.Rajagopalan, M.Sivasharmina and M.K.S.Jeyahamsini (2019), 'Effects Of Neonicotinoids In Soil And Water In Agricultural Fields: A Review', National Conference on "Emerging Trends in Chemical and Petrochemical Technology

(NETCPT), Organized by the Department of Petrochemical Technology, BIT Campus, Anna University, Trichy on 20th September 2019 pp-39.

5. V.Rajagopalan, M.Raju and M.Manonmani (2019), 'A Review On Electrochemical Advanced Oxidation Process To Treat Fish Meal Industry Wastewater', National Conference on "Emerging Trends in Chemical and Petrochemical Technology (NETCPT), Organized by the Department of Petrochemical Technology, BIT Campus, Anna University, Trichy on 20th September 2019 pp-41.
6. Rajagopalan V. and Mohamed Zubair A. (2019), 'Leachate abatement from municipal solid waste landfill by using Geo-synthetic liner material', in 4th National conference on Advances in Civil Engineering', (NCACE'19) Organized by Department of Civil Engineering, VV College of Engineering, Sathankulam, Thoothukudi held on 09.03.2019, pp 34
7. Kalaiyarasi and Rajagopalan V. (2018), 'Analysis of treated wastewater for Irrigation and Drinking purpose: A review', National Conference on Innovations in civil Engineering, organized by the department of Civil Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur held on 20th March 2018 pp 33-38.
8. S.Rajagopal and Rajagopalan V. (2017), ' Water Quality Index and Microbial Population Assessment for ground water', Third National seminar on Advanced Oxidation Processes (AOP 2017) organized by the department of Chemistry, BIT Campus, Anna University, Trichy in association with Society for Environmental Chemistry and Allied Sciences (SECAS) ,India on 17th to 19st December 2017 pp 136-138.
9. B.Abdul Majeeth, R.jeevakumar and Rajagopalan V. (2017), ' A Comparative study on the pollutants from Petrol and Deisel Vehicular Exhaust', Third National seminar on Advanced Oxidation Processes (AOP 2017) organized by the department of Chemistry, BIT Campus, Anna University, Trichy in association with Society for Environmental Chemistry and Allied Sciences (SECAS) ,India on 17th to 19st December 2017 pp 139-140.
10. Karthikeyan V, Santhoshkumar and Rajagopalan V. (2016), ' A Review on Phytoremediation Technology for Heavy metals contaminated soil', TEQIP II sponsored National Conference on Recent Trends in Civil and Environmental Engineering 2016 organized by the department of Civil Engineering, BIT Campus, Anna University, Trichy on 30th & 31st August 2016 pp 37-44.
11. Kiruthika S and Rajagopalan V. (2016), "Extraction of biocide from chrysanthemum flower and comparative study of its characteristics with the synthetic pesticide", TEQIP II sponsored National Conference on Recent Trends in Civil and Environmental Engineering 2016 organized by the departments of Civil Engineering, BIT Campus, Anna University, Trichy on 30th & 31st August 2016 pp 45-51.
12. Nivetha M and Rajagopalan V. (2016), "Generation of biogas from sizing mill unit waste sludge by anaerobic digestion- a review", TEQIP II sponsored National Conference on Recent Trends in Civil and Environmental Engineering 2016 organized by the departments of Civil Engineering, BIT Campus, Anna University, Trichy on 30th & 31st August 2016 pp 68-74.
13. Karthick Rajesekar R and Rajagopalan V. (2016), "A review on removal of Chromium from real tannery effluent by using sunflower ', TEQIP II sponsored National Conference on Recent Trends in Civil and Environmental Engineering 2016 organized by the departments of Civil Engineering, BIT Campus, Anna University, Trichy on 30th & 31st August 2016 pp 109-118.

14. Muthukumar A and Rajagopalan V. (2016), "Experimental Study on partial replacement of cement with dolomite powder in cement concrete", TEQIP II sponsored National Conference on Recent Trends in Civil and Environmental Engineering 2016 organized by the departments of Civil Engineering, BIT Campus, Anna University, Trichy on 30th & 31st August 2016 pp 186-192.
15. Arumugaraj k, Elayamathi R, Haretha RP, Sakthi G, Rajagopalan V. (2016), "Assessment of Noise pollution by glass fibre Reinforced concrete in Highway Median, Fifth National Conference on Recent Advancements in Geotechnical Engineering (NCRAG16), organized by Government College of Technology, Coimbatore on 06th May 2016.
16. Rajagopalan V., G. Venkatesan (2015), 'Geotechnical characteristics of clay admixed with quarry fines as potential liner material', Fourth National Conference on Recent Advancements in Geotechnical Engineering (NCRAG15), organized by Government College of Technology, Coimbatore on 17th April 2015.
17. Poonguzhali R and Rajagopalan V., (2015), 'Agricultural waste for power generation and clean development mechanism', Fourth National Conference on Recent Advancements in Geotechnical Engineering (NCRAG15), organized by Government College of Technology, Coimbatore on 17th April 2015.
18. Kanagavali A. and Rajagopalan V., (2014) "Performance of Ground Granulated Blast Furnace Slag as a partial Replacement of Sand in concrete", TEQIP II sponsored National conference on recent trends in civil and Environmental Engineering, organized by Bharathidasan Institute of Technology, Tiruchirappalli, pp 58, 21st and 22nd March 2014 PP-58.
19. Vidya K. and Rajagopalan V. (2014), "Biodegradation of organic leather waste (soak liquid) for microbial fuel cell" TEQIP II sponsored National conference on recent trends in civil and Environmental Engineering, organized by Bharathidasan Institute of Technology, Tiruchirappalli, pp 76, 21st and 22nd March 2014 PP-76.
20. Ragavananthan D. and Rajagopalan V. (2014), "Equilibrium isotherm Studies on Removal of Nickel in waste water using Raw musa sapientum peel", TEQIP II sponsored National conference on recent trends in civil and Environmental Engineering, organized by Bharathidasan Institute of Technology, Tiruchirappalli, pp 83, 21st and 22nd March 2014 PP-83.
21. Sarojini A. and Rajagopalan V. (2014), "Experimental Investigation on the performance silica fume and super plasticizer in concrete under thermo shock", TEQIP II sponsored National conference on recent trends in civil and Environmental Engineering, organized by Bharathidasan Institute of Technology, Tiruchirappalli, pp 53, 21st and 22nd March 2014 PP-52.
22. Antony Goldwinraj and Rajagopalan V. (2014), "An Experimental Investigation on Mechanical Behavior of Concrete made with partial Replacement of river Sand by M-Sand", TEQIP II sponsored National conference on recent trends in civil and Environmental Engineering, organized by Bharathidasan Institute of Technology, Tiruchirappalli, pp 97, 21st and 22nd March 2014 PP-97.
23. S. Thiyagaraja and Rajagopalan V. (2013), A study on Partial Replacement of Fine Aggregate by Quarry Dust and Bottom Ash in Concrete: A Review, National conference on Recent Trends in Civil Engineering and Environmental Engineering, organized by Bharathidasan Institute of Technology, Tiruchirappalli, held on 19th April 2013, pp 22.
24. C. Murugan and Rajagopalan V. (2013), Experimental Study on Saturated Surface Dry Processed Recycled Aggregate Green Concrete, National conference on Recent Trends in Civil Engineering and Environmental Engineering, organized by Bharathidasan Institute of Technology, Tiruchirappalli, held on 19th April 2013, pp 29.

25. N.Khadhar Oli and Rajagopalan V. (2013), Strength of Concrete by partial Replacement of Fine Aggregate Using Quarry dust and Cement by Silica fume, National Conference on Green Technologies for Conservation of Biodiversity, organized by Sri Ranganathar Institute of Engineering and Technology, Coimbatore, Tamilnadu, held on 16th February, 2013, pp 9.
26. C.Murugan and Rajagopalan V. (2012), Experimental Investigation of Optimum Mix for High Strength Green Concrete, National conference on Recent advances in Geo-Sciences, Engineering & Technology (NCRAGE), organized by University College of Engineering Kakinada-JNTU and Sponsored by TEQIP-II, held on 20-21 December 2012, 377-380.
27. Senram M. and Rajagopalan V. (2012), 'Development of Strength in Concrete using Recron Fibers', Recent trends in Civil and Structural Engineering, organized by M.I.E.T. Engineering College Trichy held on 11 April 2012, 22.
28. Suganya A and Rajagopalan V. (2012), 'Experimental study on the performance and properties of self-curing concrete', Confluence of Multi-Disciplinary Engineering Fields, organized by Sri Bharathi Engineering College for Women, Pudukkottai held on 15th March 2012, 60 – 63.
29. Balasubramaniyan E. and Rajagopalan V. (2012), "Effect of steel slag and steel mill scale in cement concrete", National conference on Emerging Technologies, organized by M.Kumarasamy college of Engineering, Karur, 25th February 2012, 44-45.
30. P.Pandipreetha, M.Neela and Rajagopalan V. (2011), 'Composition and Characteristics of Municipal Solid Waste in Indian Cities A Review', Recent trends in Civil and Mechanical Engineering, organized by Anna University of Technology Tiruchirappalli, Tiruchirappalli held on 8 – 9 th April 2011, 37-42.
31. M.Dhanya, Y.Aswni, and Rajagopalan V. (2011), 'Plant Based Indoor Carbon Monoxide Sensor', Recent trends in Civil and Mechanical Engineering, organized by Anna University of Technology Tiruchirappalli, Tiruchirappalli held on 8 – 9 th April 2011, 136-138.
32. B.Dhivya, A. Malliga, and Rajagopalan V. (2011), 'Cryogenically Treated Steel in Railways an Overview', Recent trends in Civil and Mechanical Engineering, organized by Anna University of Technology Tiruchirappalli, Tiruchirappalli held on 8 – 9 th April 2011, 43-45.
33. S.S. Vivek Kautilya, A.Thilaks, and Rajagopalan V. (2011), 'Recent Trends in Development on Transport system', Emerging Trends in Engineering, Management and Computer Application, organized by Anna University of Technology Tiruchirappalli, Tiruchirappalli held on 1 –2 April 2011, 33.
34. S.Charumathi, T.Mareeswaran and Rajagopalan V. (2011), 'Management of Municipal Solid Waste an Overview', Environmental Challenges Towards Sustainability, organized by Government College of Technology, Coimbatore held on 24-25 March 2011, 42.
35. Rajagopalan V., G. Venkatesan and U .Senthil Nathan (2010), "Municipal solid waste and its potential for energy invention", Clean and Green Environment by implementing Renewable Energy Technologies organized by Oxford Engineering College, Trichy held on 16-17th July 2010, 115-119.
36. U .Senthil Nathan, G. Venkatesan and Rajagopalan V. (2011), "Wind energy-An Overview", Clean and Green Environment by implementing Renewable Energy Technologies organized by Oxford Engineering College, Trichy held on 16-17th July 2010, 168-172.

37. Rajagopalan V., (2009) "Climate Change Impacts, Adaptation And Mitigation", Effect off Climatic Change and Sustainable Resource Management organized by SRM University, Chennai held on 22-23rd January 2009 pp 93-100.

➤ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

- Member Affiliation Committee
- External Audit Member for Academic Audit
- External Scrutiny Member Autonomous Exams
- Vigilance Squad Member for Anna University Exams
- University Representative for Anna University Exams

➤ **Reviewer Articles / Book Chapters:**

- Desalination and Water Treatment
- International Journal of Environmental Science and Technology
- Arabian Journal of Geosciences
- Polish Journal of Environmental Studies
- IGI Global (Disseminator of Knowledge)
- Pearson Education

(A) Chairperson for conferences / Seminar / Technical symposia:5

1. A Keynote Talk of titled '**Containment of solute transport through liner system**' delivered in the International Conference on Recent trends science, Engineering and Management organized by Department of Civil Engineering, Er.Perumal Manimekalai College of Engineering, Hosur, Thoothukudi on 27.04.2023.
2. A Keynote Speech of titled '**Role and need of Liner system for Sanitary Landfill**' delivered in the International Conference on Science and Technological Advancements for Reliable and Sustainable-Future organized by Department of Environmental Science Bishop Heber College Tiruchirappalli o16.11.2022.
3. A Keynote Lecture of titled '**Quality Aspect of Environmental Impact Assessment**' delivered in the National level technical symposium organized by Department of Civil Engineering, MAM College of Engineering and Technology, Tirchy on 30.08.2019.
4. A Keynote Lecture of titled '**Importance of EIA for Environmental protection**' delivered in the National conference on Advances in Civil Engineering (NCACE'19) organized by Department of Civil Engineering, VV College of Engineering, Sathankulam, Thoothukudi on 09.03.2019.
5. A Keynote Lecture on '**Potential use of treated sewage-A sustainable option**' delivered in National Conference Innovations in Civil Engineering (NICE-2018)

organized by Department of Civil Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur on 20.03.2018.

(B) Guest lectures delivered:25

1. A Special Lecture of titled '**Career opportunities for Civil Engineering students**' delivered to B.E. Civil Engineering students organized by Department of Civil Engineering, Rover Engineering College, Perambalur on 07.10.2022.
2. A Special Lecture of titled '**Post Cyclone Impacts on Shoreline Dynamics at Dhanushkodi, Tamilnadu**' delivered in the AICTE sponsored One Week Short Term Training Programme (STTP) on " Disaster Risk Management" Phase III organized by University College of Engineering, BIT Campus TRICHY on 16.12.2021.
3. A Special Lecture of titled '**Shoreline Changes and its Assessment**' delivered in the AICTE sponsored One Week Short Term Training Programme (STTP) on " Disaster Risk Management" Phase I organized by University College of Engineering, BIT Campus on 03.12.2021.
4. A Special Lecture of titled '**Processing Technologies for Municipal Solid waste**' and '**Municipal Solid waste management Hierarchy – An overview**' delivered in the AICTE sponsored one week Online Faculty Development Programme on "Waste Management Practices for Future India" organized by University College of Engineering, Ramnadu Campus RAMANATHAPURAM on 17.09.2021.
5. A special Lecture of titled '**Role of Intake structures for water supply**' delivered to B.E. Civil Engineering students organized by Department of Civil Engineering, M.I.E.T. Engineering College, Tiruchirappalli on 22.02.2020.
6. A Guest Lecture of titled '**Integrated Water Resources management**' delivered to B.E. Civil Engineering students organized by Department of Civil Engineering, Sri Bharathi Engineering College for Women, Pudukkottai on 17.02.2020.
7. A Guest Lecture of titled '**Network design in public water distribution**' delivered to B.E. Civil Engineering students organized by Department of Civil Engineering, K.Ramakrishnan College of Engineering and Technology, Tiruchirappalli on 21.09.2019.
8. A Guest Lecture of titled '**Recent Trends in water and wastewater Engineering**' delivered to B.E. Civil Engineering students organized by Department of Civil Engineering, Rover Engineering College, Perambalur on 25.01.2019.
9. A Guest Lecture of titled '**Advanced Treatment Technologies for Public Water Supply System**' delivered to B.E. Civil Engineering students organized by Department of Civil Engineering, JJ College of Engineering and Technology, Trichy on 24.09.2018.
10. A Guest Lecture of titled '**Environmental Engineering**' delivered to B.E. Civil Engineering students organized by Department of Civil Engineering, MAM College of Engineering and Technology, Trichy on 04.08.2018.
11. A Guest Lecture of titled '**Sustainable Water Management**' delivered to Members of Manam Club in University College of Engineering BIT Campus Trichy organized by Coordinator, Manam Club on 25.07.2018.
12. A Guest Lecture of titled '**Secondary treatment process of sewage**' delivered to B.E. Civil Engineering students organized by Department of Civil Engineering, Sri Ramakrishna College of Engineering, Perambalur on 17.02.2018
13. A Guest Lecture of titled '**Advanced sewage treatment processes to reduce water pollution**' delivered to B.E. Civil Engineering students organized by Department of Civil Engineering, Sudharsan Engineering College, Pudukkottai on 02.02.2018.

14. A Special Lecture of titled **'Water Conservation and Reuse of Waste water'** delivered in the workshop on "Adapting to Climate Change through Land and Water Management in Vennar Sub Basin", Organized by Water Resources Department, Public Works Department, Government of Tamilnadu, Trichy Region, Trichy-20 on 23.01.2018.
15. A Special Lecture of titled **'Rapidly varied flow'** delivered in the Centre for Faculty Development Programme sponsored by Anna University Chennai at University College of Engineering, Dindigul Campus on 25.11.2017.
16. A Guest Lecture of titled **'Air Quality Management'** delivered to final year B.E. Civil Engineering students organized by Department of Civil Engineering, K.Ramakrishnan College of Engineering and Technology, Tiruchirappalli on 23.09.2017.
17. A Special Lecture of titled **'Recycling of Wastewater for Irrigation'** delivered to Assistant Engineers, Public Works Department, Organized by Tamilnadu Public works Staff Training Institute, Trichy Region, Trichy-20 on 11.08.2017.
18. A Guest Lecture of titled **'Application of turbines and pumps'** delivered to second year B.E. Civil Engineering students organized by Department of Civil Engineering, K.Ramakrishnan College of Engineering and Technology, Tiruchirappalli on 01.03.2017.
19. A special Lecture of titled a titled 'Prevention of heavy metals transport by clay admixture in landfill liner system' in the brainstorming session on environmental geotechniques sponsored by DST-SERB GoI organized by IIT Mumbai on 24-25 January 2017.
20. A Special Lecture of titled **'Design of cross section based on efficiency of material used in prefabricated structures'** delivered in the Faculty Development Programme sponsored by Anna University Chennai and Organized by Department of Civil Engineering in MAM college of Engineering Tiruchirappalli, held on 09.01.2016.
21. A Special Lecture of titled **'Applications of Nano Technology for Solid Waste Management'** delivered in the National level Workshop on 'Advanced Nano Techniques and Application in Civil Engineering' organized by Department of Civil Engineering, University College of Engineering, Pattukottai-Rajamadam Campus on 12.03.2015.
22. A Special Lecture of titled **'Solid waste Management in Indian Scenario'** delivered in the National level symposium CIVITAS'14 organized by Department of Civil Engineering, Mahathamma Institute of Engineering and Technology, Pudukkottai on 01.10.2014.
23. A Special Lecture of titled **'Exploring Solid wastes for Building Applications'** delivered in the National level Workshop on 'Environmental Protection and Structural Enhancement through Waste Products' organizing by Department of Civil Engineering, University College of Engineering, Dindigul Campus on 27.02.2014.
24. A Special Lecture of titled **"Design of Weirs and Forces on Dam"** delivered in the TEQIP II Sponsored two Day Seminar on Recent Trends in Irrigation Engineering (RTIE'13), on 11.10.2013.
25. A Special Lecture of titled **'Organization and Use of Project Information'** delivered in the Faculty Development Programme sponsored by Anna University Chennai at University College of Engineering, Ramanathapuram Campus on 19.12.2012.