

## CURRICULUM VITAE

**Dr.N.ILAVARASAN**  
**Assistant Professor**  
**Department of Civil Engineering**  
**UCE –BIT Campus, Tiruchirappalli 620 024**  
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➤ **Research Area:**

- Water resources engineering
- Environmental Engineering
- Remote Sensing and GIS
- Geotechnical engineering

➤ **Educational Qualifications:**

<b>Qualification</b>	<b>College/University</b>	<b>Year of completion</b>	<b>Percentage</b>	<b>Class</b>
Ph.D. (Environmental and water resources Engineering)	Anna University	2018		
PG(water resources engineering and management)	Annamalai University	2005	7.12	First Class
UG(Civil engineering)	Annamalai University	2002	65	First Class
Others				

**Experience:(chronological order)**

<b>Name of Company / Institutions</b>	<b>Designation of Post</b>	<b>From</b>	<b>To</b>	<b>Experience in Year</b>
University college of engineering BIT campus Tiruchirappalli	Assistant Professor	26/08/2009	Till now	14
V.R.S College of Engineering and Technology Villupuram	Lecturer	02/07/2007	25/08/2009	02
M.P.N.M.J Engineering College Chennimalai, Erode	Lecturer	13/07/2005	30/04/2007	02

➤ **Awards / Honours Received:**

1. Technical Member in Tamilnadu housing board to ascertain the structural soundness of TNGRHS and board buildings. From 09.02.2022 to till now.
2. Certificate of Appreciation for producing hundred percentage result in the Remote sensing and GIS application in environmental management for the academic year 2020-2021
3. Best research paper award for the topic “ Assessment of impact of fertilizer intrusion in agricultural land ground water” in international conference on energy and environmental system sponsored by TEQIP II and CSIR 2017
4. Outstanding contributions as a reviewer for Indian Ecological society” journal, 10thJuly 2013.

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

1. Head of the Department (2019 – till now)
2. Civil maintenance coordinator (2014 – till now)
3. Assistant executive engineer in Estate office (2020 to 2011)
4. Member Anti Ragging committee
5. SC/ST cell coordinator
6. Sports Coordinator
7. Acted as chairman and Vice chairman in Anna University central valuation.
8. Committee Member Graduation Day.
9. Member in Afflation committee Anna University
10. Committee Member Graduation Day Stage, Decoration and Banners
11. Member in Research Centre recognition Anna University
12. NBA Core Coordinating Member and Safety committee member
13. Developing and Maintaining Soil mechanics and transportation Laboratory to outfit to the requirements of B.E Civil Engineering as a Lab-incharge.
14. Class Coordinator

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

1. NIL

➤ **Fellowships and Grants received:**

- NIL

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 46 Nos
- b. Number of UG Project Completed: 62batches

➤ **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):**

		<b>Nil</b>		
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➤ **Publications:**

**a. Books / book chapters:**

- 1 N.Ilavarasan and N.Kayalvizhi (2023) Hydrology and water resources Engineering , AG publishing house , ISBN 978-81-19338-81-8

**b. International Journals:**

1. Ilavarasan N and Shandra Banu K (2022 ) : Heavy Metal Analysis and Modeling of Subsurface Strata in Ranipet Industrial Region Using Modflow Software Volume 91, No. 5, ISSN: 0369-8963(Impact factor:0.825 , H index:31)
2. Ilavarasan N, Srinivasa Rao Y.S, Gokulan R, and Aravindan A (2022): Investigation of copper ion adsorption using activated sawdust powder: Isotherm, kinetic and thermodynamic studies , Global NEST Journal, Volume25, No ISSN: 1790-7632(Impact factor:1.134 , H index:36).
3. N.Ilavarasan, R.Gandhiraj, S.Anitha Elavarasi, K.S.Guruprakash (2022) : Geographical Weather Prediction Using Sigmoidal Regression Learning Scheme For Crop Yield Applications, Journal of Environmental Protection and EcologyVolume 23, No 8 ISSN 1311-5065(Impact factor:0.507 , H index:25)
4. V.venkatesan and N.Ilavarasan (2021): Analysis of lake water quality using watclast program a case study on ooty lake” Agrocienia Journal volume55 issue 6 2021 ISSN no: 1405 – 3195(Impact factor: 0.436, H index: 26)

5. N. Ilavarasan, S. Rajasekaran, A. Sarawathi, B. Raja Priya (2020): Experimental Investigation On Methane Gas Production From Vegetable And Fruit Waste Using Cow And Horse Dung, *Agrociencia Journal* volume54 issue 11 ISSN NO : 1405 – 3195 (Impact factor: 0.436, H index: 26)
6. Dr.N.Ilavarasan and Dr. K. Balaji (2020) Assessment Of Surface Water Quality Using Multivariate Statistical Techniques: A Case Study of the Ooty Lake, Nilgiris, Tamil Nadu”, *Solid State Technology* Volume: 63 Issue:6, ISSN NO :0038111X ( Impact factor0.848: , H index:27)
7. N. Ravikumar and N.Ilavarasan (2017) Assessment of water quality related to land use /land cover pattern change in Yercaud ,Salem, *international journal of chemtech research*. Volume 10 no14 ISSN: 0974-4290 (Impact factor: 0.515, H index: 23)
8. Dharani and N.Ilavarasan (2016): Water Quality analysis on Yercaud Lake by using Multivariate Statistical Analysis ,*The Asian Review of Civil Engineering*Volume. 4 No. 1. ISSN: 2249 - 6203 (Impact factor: 4.6, H index: 28)
9. N.Ilavarasan ,R.Ilangoan ,P .Rajesh Prasanna (2016) : Water quality assessment on Ooty lake in Nilgiris District *Journal of Environmental Biology* special issue Volume 37 ISSN : 0254-8704 (Impact factor: 0.81, H index: 57)
10. M.Hema and N.Ilavarasan (2016) : Assessment of impact of fertilizer intrusion in agricultural land and ground water , *Journal of chemical and pharmaceutical science* Volume 9 Issue 3 ISSN: 0974-2115 (Impact factor: 1.18, H index: 26)
11. R.Manju and N.Ilavarasan (2016)Assessment of heavy metal enrichment and degree of contamination of ground water quality in sembattu , Tiruchirappalli “,*Journal of chemical and pharmaceutical science* Volume 9 Issue 3 ISSN: 0974-2115 (Impact factor: 1.18, H index: 26)
12. R. Suchithra and G.Venkatesan and N.Ilavarasan(2016) , Watershed Impact Assessment using remote sensing and GIS application, *Indian Journal of Environment Protection, India* ,Vol. 36(5) , pp408-411. (Impact Factor: 0.3,H Index: 13)
13. M.Prabakar, K.Vijaya Sundarvel ,N.Ilavarasan (2015): Ground water quality investigations in Salem corporation by using Multivariate Statistical techniques *International journal of engineering research and management* Volume -02 , Issue -12 ISSN : 2349 – 2058. (Impact factor: 4.7, H index: 29)

14. M.Arun Prasath and N.Ilavarasan (2014) : Assessment of ground water quality by heavy metals  
Journal of chemical and pharmaceutical science. Special Issue 4: ISSN: 0974-2115(Impact factor:  
0.142, H index :)
15. K.Sathya Prabha, P.Ravindran and N.Ilavarasan (2012): Sustainable waste management using  
waste materials in concrete, Indian journal of Environmental protection, Volume 32, ISSN 0253-  
7141. (Impact factor: 0.12, H index: 20)

**Website:**

Google Scholar : <https://scholar.google.com/citations?user=BntJgCgAAAAJ&hl=en>

academia.edu : <https://anna-trichy.academia.edu/ilavarasannatarajan>

Orchid id : 009-0004-7448-4850

linkedin : <https://www.linkedin.com/in/ilavarasan-natarajan-66867568/>

**c. National Journals:**

1. NIL

➤ **Patents:**

Nil

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
1	Project seed money	TEQIP	50000	One year (2017)	completed

➤ **Consultancy Activities:**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration
1	Tiruchirappalli City corporation	Principal Consultant	Vetting of the Structural design	221250	Completed
2	NABARD and Rural Roads (Highway)	Principal Consultant	Sub – Soil Investigation Report For Villupuram District	269040	Completed

3	Tiruchirappalli city corporation	Principal Consultant	Sub - Soil Investigation Report	826000	Completed
4	TLC / Tamilnadu Transmission Corporation limited	Principal Consultant	Vetting of foundation design	59000	Completed
5	Tamilnadu Housing board - Trichy housing unit	Principal Consultant	Technical committee to ascertain the structural soundness of TNGRHS Building	47200	Completed
6	Madurai Corporation	Principal Consultant	inspection of roads	47200	Completed
7	Tamilnadu Water Supply and Drainage Board	Principal Consultant	Vetting of water tank	88500	Completed
8	Natham Town Panchayat	Principal Consultant	Prelevel survey work	23600	Completed
9	Tiruchirappalli City Corporation	Principal Consultant	Building Stability	47200	Completed
10	Tiruchirappalli City Corporation	Principal Consultant	Design of Over head tank	118000	Completed
11	Tamilnadu Water Supply and Drainage Board	Principal Consultant	Sub Soil Investigation and Pipe Design	28320	Completed
12	TWAD BOARD	Principal Consultant	Sub soil investigation and pipe design	177000	Completed
13	Tamilnadu Civil Supplies corporation	Principal Consultant	stability of over head tank	35400	On going

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

1. Organizing TEQIP II Sponsored on “Application of GIS in Civil Engineering”(AGCE,13)Organized by Department of Civil Engineering in Anna universityBharathidasan Institute of Technology, Tiruchirappalli, held on07<sup>th</sup>and 08<sup>th</sup> October 2013.
2. Organizing Secretary in TEQIP II Sponsored Student SymposiumINNOGIDO’14 Organized by Department of Civil Engineering in Bharathidasan Institute of Technology,Tiruchirappalli, held on 11<sup>th</sup> and 12<sup>th</sup>September 2014.
3. Organizing one day workshop on “Environmental Policies and Legislation”Organized by Department of Civil Engineering in University college of engineering Bharathidasan Institute of Technology,Tiruchirappalli, heldon22<sup>th</sup>March 2018.
4. Organizing one day workshop on “Remote Sensing and GIS application in civil engineering” Organized by Department of Civil Engineering in University college of engineering Bharathidasan Institute of Technology,Tiruchirappalli, heldon23<sup>th</sup>March 2018.
5. Convenedone day workshop on “Software application in Civil Engineering projects” Organized by Department of Civil Engineering in Association with 5D CADD software Training center in University college of engineering Bharathidasan Institute of Technology, Tiruchirappalli, held on28<sup>th</sup>January 2020.
6. Convenednational level Technical Symposium “INNOGIDO2022” Organized by Department of Civil Engineering in Association with 5D CADD software Training center in University college of engineering Bharathidasan Institute of Technology, Tiruchirappalli, held on25<sup>th</sup>February 2020.
7. Organizing industrial training programe on going green with Telecom Organized by Department of Civil Engineering in University college of engineering Bharathidasan Institute of TechnologyTiruchirappalli,with Rajiv Gandhi Memorial Telecom Training center Chennai held from14<sup>th</sup>to 25<sup>th</sup> September 2020.

➤ **List of Seminar / Short Term Course /FDP/ Workshopattended:**

**FDP Attended**

1. Attended AICET sponsored staff development programme on Engine Electronics and alternate fuels at Annamalai university Chidambaram from 16.06.2011 to 29.06.2011.
2. Attended Faculty development programme on Advances in building Technology at department of civil engineering anna university BIT campus Trichy from 19.08.13 to 25.08.13
3. Attended Orientation course at academic staff college Bharathidasan University Tiruchirappalli from 06.11.2013 to 03.12.2013
4. Attended TEQIP – II Sponsoredfaculty development programme on “Application of GIS and Remote sensing” at department of civil engineering anna university BIT campus Trichy from 24.04.2015 to 30.04.2015

5. Attended TEQIP – II Sponsored faculty development programme on “Multi-disciplinary approaches in chemical sciences” at department of chemistry Anna University BIT campus Trichy from 18.07.2016 to 31.07.2016.
6. Attended AICTE sponsored faculty development programme on “Nano technology for Energy and Agricultural sectors” at IFET College of Engineering from 13.11.2017 to 26.11.2017.
7. Attended UGC – SAP – faculty development programme on Environmental pedagogy organized by the centre for Atmospheric research and Climatic Change (CARE2C) held at Annamalai University from 11.06.2018 to 01.07.2018
8. Attended faculty development programme on “green project supply chain management” at Gandhigram Rural Institute, Dindigul from 30.06.2019 to 11.07.2019.
9. Attended online faculty development programme on “Data science for all” organized by PDPM, Indian Institute of Technology Jabalpur in association with University College of Engineering BIT campus Trichy from 27.07.2020 to 07.08.2020.
10. Attended online faculty development programme on student induction UHV online workshop incorporating universal human value in education conducted by All India Council for Technical Education New Delhi from 31.01.2022 to 04.02.22.

### **Short term course Attended**

Attended AICTE sponsored Short term training programme on “Real time monitoring of Environmental parameter using Remote sensing techniques (Remote ‘19”) at Annamalai University from 17.02.2020 to 22.02.2020.

Attended Industrial training programme in Rajiv Gandhi Memorial Telecom Training center Chennai from 08.06.2020 to 26.06.2020.

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

#### **a. Conferences attended**

1. SUSTAINABLE TECHNOLOGIES FOR INTELLIGENT WATER AND ENVIRONMENTAL MANAGEMENT (STIWEM -2018) – Impact of climate change on surface water quality in Tiruchirappalli District, 2018
2. INNOVATIVE PRACTICES, RECYCLABLE MATERIALS AND ENERGY EFFICIENT METHODS IN CIVIL ENGINEERING (IPRME’18)-Assessment of groundwater pollution for Madurai Corporation, 2018
3. INTERNATIONAL CONFERENCE ON NEWER ENGINEERING CONCEPTS AND TECHNOLOGY (ICONNECT-2018)-Assessment of suitability of Ooty lakewater for various purposes using Watclast program, 2018



4. INTERNATIONAL CONFERENCE ON ENGINEERING MATERIALS AND RENEWABLE ENERGY (ICEMRE 2018)-Assessment of Urbanization impact on Ooty lake using GIS,2018
5. INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENTAL SYSTEMS- Assessment of impact of fertilizer intrusion in agricultural land groundwater, March 2017.
6. INTERNATIONAL CONFERENCE ON ADVANCED ENGINEERING AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT (ICAETSD 2017)-Assessment of water quality related to landuse /land cover pattern change in Yercaud ,Salem, March 2017
7. INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENTAL SYSTEMS- Urbanization impact on Thanjavur Taluk,Thanjavur District ,Tamilnadu, March 2017
8. SMART MANAGEMENT OF WATER AND WASTEWATER FOR SUSTAINABLE ENVIRONMENT (SMWWSE 2016)-Assessment of water quality index of Yercaud lake ,Salem,Tamilnadu.October 2016
9. INTERNATIONAL CONFERENCE ON ADVANCE IN MATERIALS AND MECHANICAL ENGINEERING(ICAESM 2015)- . Assessment of heavy metal pollution in ooty lake ,Nilgiris District,2015
10. INTERNATIONAL CONFERENCE ON ENVIRONMENTAL GEOTECHNICS (ICEGEO - 2014)-Water quality assessment on Ooty lake in Nilgiris District,2014
11. INTERNATIONAL CONGRESS ON CLIMATE CHANGE ,TERRITORIAL CLASSIFICATION AND SOCIO-ECONOMIC CRISIS ,April 2013-Urbanization impact of water quality and quantity at trichirappalli city,2013
12. NATIONAL LEVEL CONFERENCE ON RECENT TRENDS IN CIVIL AND MECHANICAL ENGINEERING ,April 2011 –Water resources and consumption pattern in Chennai city,2011
13. NATIONAL CONFERENCE ON ENGINEERING APPROACH FOR SUSTAINABLE DEVELOPMENT (STEPMACC 2011)-Seawater intrusion in Pearl city (Casestudy),2011
14. INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SUSTAINABILITY WITH GREEN TECHNOLOGY, March 2010-Watershed modeling for Kundapallam watershed using remote sensing and gis,2010

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

- NIL

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

1. Jury for the national level technical symposium JJCollege of engineering and technology Trichy held on 12<sup>th</sup> March 2013.
2. Jury for the national level technical symposium at University college of engineering Panruti held on 11<sup>th</sup> September 2013.

3. Chief guest on National level Technical Symposium “CivilCentrino -19” Organized by MIET Engineering College Trichy held on 23.02.2019
4. Chief guest on National conference on Emerging trends in Civil engineering “Organized by Chettinad college of Engineering Karur held on 21.03.2019
- 5.

**(B) Guest lectures delivered:**

1. Chief guest and Resources person for national level technical symposium on “ municipal solid waste management “ organized Cauvery college of Engineering and technology Trichy held on 21.09.2012.
2. Guest lecture on Soil – water – plant Relationship TEQIP II sponsored two days seminar Programme on Recent trends in Irrigation Engineering ,Organized by Department of Civil Engineering in Bharathidasan Institute of Technology , Tiruchirappalli, held on 10.10.2013.
3. Special lecture on importance of water bodies – present and future, National level technical symposium, ChozhaBuilt -206, Organized by Department of Civil Engineering in University college of Engineering Ariyalur held on 23.03. 2016.
4. Special lecture on Recent trends in construction engineering and management , National level Technical symposium, ChozhaBuilt -206 ,Organized by Department of Civil Engineering in University college of Engineering Ariyalur held on 13.03. 2018.
5. Lecture on “Remote Sensing and GIS application in water resources management”, in one day workshop on “Environmental Policies and legislation”Organized by Department of Civil Engineering in University college of Engineering BIT campus Trichy held on 20.03. 2018.
6. Lecture on “Rules , Regulation and Distribution in Municipal solid waste management” , in one day workshop on “Environmental Policies and legislation”Organized by Department of Civil Engineering in University college of Engineering BIT campus Trichy held on 22.03. 2018.
7. Lecture on canal regulation, escapes outlet and modules , Anna university sponsored Faculty Development Programme on CE6703 Water Resources and Irrigation Engineering , Organized by University college of Engineering ,Panruti held on 10.06 2018.
8. Lecture on Grey water–Training programme for reduce, recycle, and reuse in waste water management Organized by TWAD board Tiruchirappalli on 20.03. 2018
9. Chief guest and Resources person for national level technical symposium on “ Geotechnical Engineering “ organized MAR college of Engineering and technology Trichy held on 05.03.2012.
10. Resources person for groundwater management and conservation organized by E.G.SPillay Engineering college Nagapattiniam held on 11.03.2020.
11. Resources person for Climatic Change and their impacts (webinar)organized by E.G.SPillay Engineering college Nagapattiniam held on 11.08.2020.

12. Resources person on “M-sand and its application in Irrigation Structures” for Training programme on “Construction quality Management” for JLOs/MLOs of water resources department organized by Irrigation management Training institute Trichy held on 06.05.2022.
13. Resources person on “Suitability of M-Sand in Construction of Irrigation Structures” for Training to the newly recruited Assistant engineers in WRD organized by Irrigation management Training institute Trichy held on 06.05.2022.
14. Lecture on Waste to Energy in the 5 day Faculty Development programme on Green Engineering and Sustainable Technology (GEST,2k22) Organized by Jai Shriram Engineering college Tirupur on 01.09. 2022
15. Lecture on water sources and water quality – Training programme on “Sustainability of water sources and water safety plan” Organized by TWAD board Tiruchirappalli on 14.02. 2022