

CURRICULUM VITAE

Dr.M.Thanmanaselvi

Assistant Professor (Sl. Gr.)

Department of Civil Engineering

UCE – BIT Campus, Tiruchirappalli - 620 024

Contact No.: 9884350184

E-mail ID: thanmanaselvi0505@gmail.com



➤ **Research Area:**

- Construction Materials and Concrete Technology
- Structural Dynamics and Earthquake Engineering

➤ **Educational Qualifications:**

- Ph.D, Anna University, Chennai
- M.E (Structural Engineering), College of Engineering Guindy, Anna University, Chennai
- B.E (Civil Engineering), Bharath Institute of Science and Technology, Madras University, Chennai

➤ **Experience: (chronological order)**

Name of Institutions / Company	Designation of Post	From	To	Experience in Year
University College of Engineering, BIT Campus, Trichy	Assistant Professor (Sl.Gr.)	07.07.2023	Till date	2 Years 5 Months
University College of Engineering, Tindivanam	Assistant Professor	11.08.2014	07.07.2023	8 Years 11 Months
University College of Engineering, Nagercoil	Assistant Professor	18.08.2010	10.08.2014	3 Years 11 Months
Sona College of Technology, Salem	Lecturer	25.06.2007	17.08.2010	3 Years 2 Months
Arkie Atelier Designs Pvt. Ltd., Alwarpet, Chennai	Quantity Surveyor	17.06.2004	12.02.2005	8 Months

➤ **Awards / Honours Received:**

- Recognized as “**Master trainer by TNSDC**” for vocational and educational training to assist, develop, assess and deliver skill-based training programs.
- Awarded for producing Rank holders at Sona College of Technology, Salem.
- Awarded for producing 100% and more than 95% pass percentage in the subjects handled at Sona College of Technology, Salem.

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

- “**NSS Program Officer for Unit-6**”, at University College of Engineering, BIT Campus, Trichy from June 2024 to July 2025.
- “**Estate Officer**” at University College of Engineering, Tindivanam from May 2015 to June 2023.
- “**Member of POSH Cell**” at University College of Engineering, Tindivanam from April 2022 to June 2023.
- “**Member of Equal Opportunity Cell**” at University College of Engineering, Tindivanam from April 2022 to June 2023.
- “**Coordinator for Civil Engineering Association**” at University College of Engineering, Nagercoil from June 2012 to December 2013.
- “**Placement Liaison Officer**” for the Department of Civil Engineering, University College of Engineering, Nagercoil June 2012 to August 2014.

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

- American Society of Civil Engineers (ASCE), 2024
- The Institution of Engineers India (IEI), 2020
- The Indian Society for Technical Education (ISTE), 2009

➤ **International Certification:**

- “**TAE40122 Certificate IV in Training and Assessment**” at Phoenix Academy, Perth, Western Australia from 30.09.2024 to 18.10.2024 (3 weeks)

➤ **Fellowship Programme:**

- “**Summer Faculty Research Fellow 2012 (SFRF)**” at IIT Delhi from 21.05.2012 to 13.07.2012 (2 months)

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 2 Nos.
- b. Number of UG Project Completed: 35 batches

➤ **Publications:**

a. **Book Chapters:**

- “**Basic Civil and Mechanical Engineering**”, published by Sonaversity, Salem, 2009.

b. **International Journals:**

- M.Thanmanaselvi, V.Ramasamy, “Assessment of Durability Characteristics of Concrete with Nanosilica and Carbon Nanotubes”, Journal of Environmental Protection and Ecology, Vol. 24, Issue 4, 2023, Pg. 1270 – 1281, ISSN 1311-5065. Impact score (Scopus) 1.31.

<https://scibulcom.net/en/article/1ZFzSg6etQSYJQmQy6ya>

- M.Thanmanselvi, A.J.Sunija, “Property Evaluation of Biopolyurethane Modified Concrete”, International Journal of Research in Engineering, Science and Technologies, Vol. 2, Issue 2, April 2016, Pg. 95 to 99, ISSN 2395-6453.

c. **International Journals – Conference Proceedings:**

- M.Thanmanaselvi, V.Ramasamy, “Assessment of Mechanical Properties of Nano Modified Concrete”, AIP Conference Proceedings, Vol. 2417, Issue 1, 020015, October 2021.

<https://doi.org/10.1063/5.0072654>

- M.Thanmanaselvi, V.Ramasamy, “A Study on Durability Characteristics of Nano-Concrete”, Materials Today: Proceedings, Vol.80, Part 3, Pg. 2360 – 2365, July 2021.

<https://doi.org/10.1016/j.matpr.2021.06.349>

➤ **List of Programmes organized:**

- “**International Women’s Day Celebration – Civil Engineering Department**”, University College of Engineering, BIT Campus, Trichy, March 2024.
- “**First Year Induction Programme - Civil**”, University College of Engineering, BIT Campus, Trichy, September 2023.
- “**International Day of Yoga Celebration**”, University College of Engineering, Tindivanam, June 2023.
- “**International Women’s Day Celebration**”, University College of Engineering, Tindivanam, March 2023.
- “**Self Realization Program with Music & Meditation - YOGDHARA**”, University College of Engineering, Tindivanam, March 2023.
- “**Awareness Program on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013**”, University College of Engineering, Tindivanam, November 2022.
- One day, “**POSH Cell awareness programme**”, University College of Engineering, Tindivanam, October 2022.
- One day workshop, “**Modern Trends in Civil Engineering**”, Department of Civil Engineering, University College of Engineering, Nagercoil, March 2013.
- One day, “**National Level Technical Symposium, ACTOCE’13**”, Department of Civil Engineering, University College of Engineering, Nagercoil, February 2013.
- One day, “**Civil Engineering Association – TEKTON’S**”, Department of Civil Engineering, University College of Engineering, Nagercoil, September 2012.

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

▪ **List of Seminar:**

- One day National Seminar, “**Alternatives for River Sand in Construction**”, ICI Salem Center and Sona College of Technology, Salem, 27th February 2018.
- One day Seminar, “**Blooms Taxonomy**”, Sona School of Management, Salem, 13th July 2009.
- One day National Seminar, “**Ecofriendly Engineered Concrete**”, Department of Civil Engineering, Kongu Engineering College, Erode, 29 – 30th August 2008.

▪ **List of Short-Term Course:**

- Short term Course, “**Seismic Vulnerability Assessment and Retrofitting of Existing Structures**”, Department of Civil Engineering, IIT, Delhi, 21 – 25 August 2017.
- Short term Course, “**Recent Advances in the Design and Construction of Sustainable Pavements**”, Department of Civil Engineering, Pondicherry Engineering College, Pudhucherry, 2 – 7 December 2013.
- Short term Course, “**Finite Element Analysis of Structures with MATLAB and ABAQUS Based Simulation**”, Department of Civil Engineering, IIT, Delhi, 23 – 27 July 2012.
- Short term Course, “**Geographic Information System**”, National Institute of Technical Teachers Training and Research, Chennai, 3 – 7 September 2007.

▪ **List of FDP:**

- Two weeks FDP (online), “**ICT Based New Paradigms of E-Teaching and E-Learning: Digital Pedagogy**”, Department of Computer Science, Mata Sundri College for Women, University of Delhi and Ramanujan College, Delhi, 15 – 30 September 2020.
- Two weeks FDP, “**Design of Steel Structures**”, Department of Civil Engineering, Government Engineering College, Salem, 12 – 25 November 2019.
- Three weeks FDP, “**Environmental Pedagogy**”, Department of Civil Engineering, Annamalai University, Chidambararam, 11th June 2018 – 1st July 2018.
- Two weeks FDP, “**Research and Statistical Analysis**”, Department of Media Sciences, College of Engineering Guindy, Anna University, Chennai, 30th April 2018 – 14th May 2018.
- Two weeks FDP, “**Application of Finite Element Analysis**”, Department of Mechanical Engineering, Alagappa Chettiyar Government Engineering College, Karaikudi, 12 – 25 February 2018.
- One week FDP (online), “**Inculcating Universal Human Values in Technical Education**”, AICTE, Delhi, 14 – 18th March 2022.
- One week FDP, “**Advanced Software Application in Civil Engineering**”, Department of Civil Engineering, Anna University, BIT Campus, Tiruchirappalli, 12 – 18 December 2013.
- One week FDP, “**Design of Steel Structures**”, College of Engineering Guindy, Structural Engineering Division, Anna University, Chennai, 28th November – 4th December 2011.
- One week FDP, “**Design of RC Elements**”, College of Engineering Guindy, Structural Engineering Division, Anna University, Chennai, 20 – 26 June 2011.

▪ **List of SWAYAM / NPTEL Online Certification:**

- “**NBA Accreditation and teaching and Learning in Engineering (NATE)**”, Silver Elite Certification, Jan – April 2025 (12 weeks), IISC Bangalore.
- “**AICTE - 8 Module Online Course**”, September 2024 & February 2025, NITT, India.
- “**Building Materials and Composites**”, Silver Elite Certification, July – September 2023 (8 weeks), IIT Kharagpur.
- “**Entrepreneurship**”, July – October 2023 (12 weeks), IIT Madras.
- “**Ethics in Engineering Practice**”, Silver Elite Certification, August – October 2023 (8 weeks), IIT Kharagpur.

▪ **List of Workshop:**

- One day Workshop, “**State Institutional Ranking Framework (SIRF) Workshop – Stakeholder Consultation**”, Tamilnadu State Council for Higher Education (TANSCHE), University College of Engineering, BIT Campus, Trichy, 27th November 2025.
- One day National Workshop, “**Engineering Application of Nanoscience and Nanotechnology**”, Department of Civil Engineering, St.Peters College of Engineering and Technology, Chennai, 27th September 2018.
- One day National Workshop, “**Innovations in Civil Engineering**”, Department of Civil Engineering, University College of Engineering, Nagercoil, 19th September 2014.
- Two days Workshop, “**Construction on Bamboo Houses**”, Building Technology Center, Division of Structural Engineering, College of Engineering Guindy, Anna University, Chennai, 19 – 20th March 2012.
- One day Workshop, “**New Construction Materials and Methodologies Today**”, Department of Civil Engineering (Structures), Government College of Technology, Coimbatore, 5th August 2009.
- One day Workshop, “**Opportunities for Steel Structures in India – Present and Future**”, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai, 29th December 2008.

- Two days Workshop, “**Computer Aided Design of RC Structures for Seismic Loading**”, Structural Engineering Division, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai, 25 – 26th April 2008.
- One day Workshop, “**DACS - Durability Aspects of Concrete Structures**”, Department of Civil Engineering, VLB Janakiammal College of Engineering and Technology, Coimbatore, 10th October 2007.
- Two days Workshop, “**Steel - Concrete Composite Structures**”, Structural Engineering Division, College of Engineering Guindy, Anna University, Chennai, 8 – 9th February 2007.

▪ **List of Industrial Training:**

- Two days, “**Building Information Modelling**”, L&T EduTech – Naan Mudhalvan Training of Trainers Program, Anna University, Chennai, September 2022.
- Two weeks Industrial Training Programme, “**Vellar Basin Division**”, Water Resource Department, Virudachalam, June 2022.
- Two weeks Industrial Training Programme (online), “**Plastic Testing and Quality Control**”, CIPET, Madurai, September 2021.
- Three weeks Industrial Training Programme (online), “**Telecom Tower Construction**”, RGMTCC, BSNL Office, Trichy, May 2020.
- Two days, “**ANSYS Training Programme**”, Ramanujam Computing Centre, Anna University, Chennai, September 2015.

▪ **List of Training Programme:**

- One day Training Programme, “**Developing Analytical Questions**”, Bannari Amman Institute of Technology, Erode, November 2025.
- 3 days Pedagogy Training Programme, “**Faculty Development Program on Teaching Methods**”, Teaching Learning Centre (TLC), IIT Madras, Chennai, November 2025.
- One week Training Programme, “**High Impact Teaching Skills - Mission 10X**”, Dale Carnegie & Associates, Inc. Trainer and Wipro Technologies, Sona College of Technology, Salem, September 2009.
- One week Training Programme, “**Pedagogy Training Programme**”, Sona College of Technology, Salem, June 2007.

➤ **International Conferences Participated and Presented:**

- “Assessment of Mechanical Properties of Nano Modified Concrete”, ICAMBC – 2021, Mattest Research Academy, Chennai, Tamil Nadu, April 2021.
- “Evaluation of Concrete Properties using Manufactured Sand and with Nanomaterials”, ICRAMC – 2021, SRM Institute of Science and Technology, Kattangulathur, Tamil Nadu, February 2021.
- “Characteristics of Biopolyurethane Modified Concrete”, NISDCE – 2020, Department of Civil Engineering, Vel Tech Rangarajan Dr Sagunthala Institute of Science and Technology, Chennai, Tamil Nadu, June 2020.
- “Experimental Investigation of Mechanical Properties on Concrete with Nanomaterials using Manufactured Sand”, ICEMAP – 2019, Department of Civil Engineering, Tagore Engineering College, Chennai, Tamil Nadu, March 2019.
- “Durability Characteristics of High-Performance Concrete using Silica Fume, Fly Ash & Ground Granulated Blast Furnace Slag”, IBMSDCP – 2008, Department of Civil Engineering, Bannari Amman Institute of Technology, Satyamangalam, May 2008.

➤ **National Conferences Participated and Presented paper:**

- “Property Evaluation of Biopolyurethane Modified Concrete”, SMART - 2016, Dr.Paul’s Engineering College, Villupuram District, Tamil Nadu, March 2016.
- “Study on Durability Characteristics of High-Performance Concrete using Fly Ash and Silica Fume”, National Conference - 2008, KSR College of Engineering, Thiruchengode, Tamil Nadu, December 2008.
- “Durability Characteristics of High-Performance Concrete”, National Conference on Recent Advances in Steel and Concrete for Construction - 2008, St. Peter’s Engineering College, Chennai, Tamil Nadu, January 2008.
- “Study on Durability Characteristics of High-Performance Concrete”, National Conference on Frontline Areas of Civil Engineering - 2007, Department of Civil Engineering, VLB Janakiammal College of Engineering and Technology, Coimbatore, Tamil Nadu, April 2007.

➤ **Professional recognitions:**

▪ **Master Trainer:**

- Acted as Master trainer for faculties of Government Polytechnic Colleges around Tamilnadu on “**Curriculum development, creating Lesson plans and Session plans**” organized by DoTE, Chennai.
- Acted as Master trainer for faculties of Government Engineering Colleges and Government Polytechnic Colleges around Tamilnadu on “**Framing Analytical Questions**” organized by TANSCHE and DoTE, Chennai.

▪ **Guest lectures delivered:**

- “**Structural Analysis – II**”, Department of Civil Engineering, CK College of Engineering and Technology, Cuddalore, April 2022.
- “**Non-destructive Testing Methods**”, AICTE Short Term Training Programme, Thiagarajar Polytechnic College, Salem, September 2021.
- “**Design and Analysis of Building Components**”, National Level Technical Workshop & Seminar, Department of Civil Engineering, University College of Engineering, Panruti, February 2020.
- Training for “**Graduate Engineer Trainees of KMC Constructions, Bangalore**”, Sona – KMC Learning Centre, Salem.
- Aspirants of “**TNPSC – Combined Engineering Services Coaching Class**”, Thiagarajar Polytechnic College Continuing Education Center, Salem.

DECLARATION:

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

Signature of the faculty

Head of the Department

Dean