

## SHIYAMALA T

C7/1, Jeeva Nagar, Nehru Nagar East, Coimbatore - 641048

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## CAREER OBJECTIVE

To pursue a dynamic and rewarding teaching career in the field of Civil Engineering, where I can effectively contribute my skills and knowledge to the academic and professional development of students while fostering a culture of innovation and research in higher education.

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## EDUCATION

### M.E. Environmental Engineering and Management

Coimbatore Institute of Technology, Coimbatore

CGPA: 8.62 | First Class with Distinction

### B.E. Civil Engineering

Kongu Engineering College, Erode

CGPA: 8.76 | First Class with Distinction

### HSC

Saratha Hr. Sec. School, Erode

92.25%

### SSLC

Saratha Hr. Sec. School, Erode

91.8%

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## CERTIFICATIONS & SCORES

- GATE (Civil Engineering, 2025): Score 337
  - GATE (Environmental Science & Engineering, 2025): Score 397
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## TECHNICAL SKILLS

- **Design & Drafting:** AutoCAD, STAAD Pro (Basic)
  - **Project Management:** MS Project
  - **Programming & Productivity:** C, C++, MS Office (Diploma)
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## AREAS OF TEACHING INTEREST

- Water & Wastewater Engineering
  - Solid and Hazardous Waste Management
  - Environmental Impact Assessment
  - Strength of Materials
  - Building Materials
  - Fluid Mechanics
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## TEACHING EXPERIENCE

### Assistant Professor

Coimbatore Institute of Technology, Coimbatore  
*Dec 2016 – Apr 2022 (5 years 5 months)*

### Subjects Taught:

- Water Supply Engineering
  - Wastewater Engineering
  - Solid and Hazardous Waste Management
  - Industrial Wastewater Treatment
  - Environmental Impact Assessment
  - Sustainable Development and Cleaner Production
  - Fluid Mechanics and Machinery
  - Environmental Engineering Laboratory
  - Fluid Mechanics and Machinery Laboratory
  - Survey Camp
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## RESEARCH & PUBLICATIONS

### Journal:

- "Comparative Study on Properties of Paver Blocks from Municipal Plastic Waste," *E3S Web of Conferences* (2024). <https://doi.org/10.1051/e3sconf/202452901020>.

### Conference Presentations:

- Water Softening by INDION 220Na Resin – Government College of Technology & Coimbatore Institute of Technology

### Projects:

- Water Softening in Fixed Bed Reactor using INDION 220Na Resin
  - Improving Bitumen Properties using Waste Plastics
  - Design & Estimation of Auditorium (AutoCAD & STAAD Pro)
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## **FACULTY DEVELOPMENT PROGRAMMES & WORKSHOPS**

### **Organized:**

- Workshop On Eco-Friendly Construction Materials And Methods
- FDP on Orientation And Re-Training Of Teachers

### **Attended:**

- Short term course on Marine Infrastructure Development – IIT Bombay
  - Short term course on Infrastructure Planning & Management – CIT (QIP)
  - FDP on Environmental Management & Nanotech Instrumentation – GCT, Coimbatore
  - FDP on Accreditation and Outcome-Based Learning – NPTEL-AICTE
  - FDP on IoT for Civil Engineers – CIT, Coimbatore
  - Workshop on AI & Python Workshop – CIT, Coimbatore
  - Workshop on Clean Technologies – PSG, Coimbatore
  - Workshop on Eco-Friendly Construction Materials – CIT, Coimbatore
  - Workshop on Total Station Demonstration – CIT, Coimbatore
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## **AWARDS & ACHIEVEMENTS**

- TEQIP Phase II Fellowship (2013-2015) with monthly stipend of 6000/-
  - 1st Rank Holder, M.E. Environmental Engineering and Management – CIT
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## **EXTRA-CURRICULAR ACTIVITIES**

- Participant, Mini Marathon – Y's Men's Club & CIT
  - 2nd Prize in Throw Ball – Kongu Engineering College
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## **HOBBIES**

- Cooking
  - Gardening
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## **LANGUAGES KNOWN**

- **English:** Read, Write, Speak (Medium of Instruction)
  - **Tamil:** Read, Write, Speak
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## REFERENCE

### **Dr. R. Saraswathi**

Professor, Department of Civil Engineering  
Coimbatore Institute of Technology, Coimbatore  
✉ saraswathi@cit.edu.in | ☎ +91 99946 72205

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## PERSONAL DETAILS

- **Date of Birth:** 7th March 1992
  - **Father's Name:** Mr. Thavamani K G (Late)
  - **Permanent Address:** No. 4, Karuppanan Street, Kugalur, Erode – 638313
  - **Nationality:** Indian
  - **Passport No.:** U5989570
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## DECLARATION

I hereby declare that the above information is true to the best of my knowledge and belief.

Photo:

