

Curriculum Vitae

Sreelakshmi S

Doctoral Research Scholar
Building Technology and Construction Management Division
Department of Civil Engineering
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EDUCATION

- o **Ph.D. in Civil Engineering** Ongoing
 - Indian Institute of Technology Madras, Chennai, India
 - Tentative Thesis title: “Bond behaviour of Corroded prestressed samples and Effect of corrosion on structural Performance”

- o **M.E. in Structural Engineering** May 2018
 - Government College of Technology, Coimbatore – Autonomous Institution Affiliated to Anna University
 - Project Phase II title: “Constrained and Conventional Finite Strip Method using various Shape functions”
 - Project Phase I title: “Parametric Study on Cold Formed Steel Flexural Members using Finite Strip Method”
 - First Class with Distinction, Second Rank, CGPA- 9.3

- o **B.E. in Civil Engineering** April 2016
 - University College of Engineering, Nagercoil - Anna University Constituent College
 - Project Phase II title: “Study on Stress Strain Curve of concrete with various Admixtures”
 - Project Phase I title: “Design of Warehouse for Food grain Storage with Hand Operated Gantry Girder”
 - First Class with Distinction, Second Rank, CGPA- 8.51

EXPERIENCE

Aug 2018 -Sept 2020

Worked as Engineer, Power Projects Division, Civil Design, BGR Energy Systems Limited

Oct 2020 -Mar 2020

Worked as Project Associate, Indian Institute of Technology Madras.

Apr 2020 – Present

Graduate Teaching Assistant , Indian Institute of Technology Madras, Chennai, India
CE 2330 – Civil Engineering Materials and Construction

FIELD OF INTEREST

- o Engineering Mechanics
- o Concrete Technology
- o Strength of Materials

TRAININGS AND WORKSHOPS

CSIR Integrated Skill Initiative

September 2019

- At Council of Scientific & Industrial Research – Structural Engineering Research Centre, Chennai
- Period: 18.09.2019 to 20.09.2019
- Course Title: “A perspective into Indian Codes of Practice for Reinforced & Pre-stressed Concrete Structures”
- An exploration into current codes & visit to all Laboratories at SERC

Course from Global Initiative for Academic Networks

January 2018

- At Government College of Engineering, Salem
- Period: 04.01.2018 to 09.01.2018
- Course Title: “Sustainable Infrastructure Design using High Strength Metallic Alloys”
- Studied about manufacturing and design of Cold Formed Steel using Various Codes
- Industrial Visit at Steel Authority of India Limited, Salem
- Studied about Continuous Strength Method for the Design of Stainless Steel

Career Oriented Training Programme

February 2017

- At Government College of Technology, Coimbatore
- Period: 31.01.2017 to 02.02.2017
- Training on “Analysis and Design of Structures for Civil Engineers.”
- Studied the Arrangement of structures, Load combinations.
- Analysis, Design and Construction of Structures with IS Codal Provisions

Summer Fellowship Programme

June 2015

- At Indian Institute of Technology Madras, Chennai
- Period: 25.05.2015 to 15.07.2015
- Project Title: “Influence of size of Specimen on Sulphate Attack” and “Design of Ultra High Performance Concrete.”

In-plant Training

December 2014

- At Building Construction Sub Division, Public Works Department, Nagercoil
- Period: 08.12.2014 to 18.12.2014
- Analyzed the design of District Magistrate Office Building, observed the construction practices and Cost Estimation of the Project

Workshops Attended

Innovations on Majestic Pre-stressed Concrete Structures

September 2015

- At University College of Engineering, Nagercoil.
- Learned about the practical applications of pre-stressing at construction sites with case studies

Tall Buildings March 2015

- At National Institute of Technology Tiruchirappalli
- Studied about the wind load analysis on Tall Buildings and the strengthening for lateral forces

Innovations in Civil Engineering September 2014

- At University College of Engineering, Nagercoil.
- Learned about the recent trends in Civil Engineering, including Environmental Impact Assessment, Wastewater Treatment and Soil stabilization

Technical Events

- Third place in “Technical Quiz” at National Institute of Technology Tiruchirappalli March 2015
- Second place in “Paper Presentation” at University College of Engineering, Nagercoil. September 2014
- Participated in “Surveyor” at National Institute of Technology Tiruchirappalli March 2015
- Participated in “Rehabilito” at National Institute of Technology Tiruchirappalli March 2015
- Participated in “Code Cracking” at University College of Engineering, Nagercoil. September 2014
- Participated in “Technical Quiz” at University College of Engineering, Nagercoil. September 2014
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CO-CURRICULAR ACTIVITIES

GATE Score – 388/1000 March 2016

Courses Handled

12C608 – Concrete and Highway Laboratory Jan–April 2017
16CES308 – Strength of Materials Laboratory July–Nov 2017

Papers Presented

- “Fiber Reinforced Concrete” at National Level Technical symposium, ACCNII, University College of Engineering, Nagercoil. September 2015
- “Light Transmitting Concrete” at National Level Technical symposium, AMONEC, University College of Engineering, Nagercoil. September 2014

RESPONSIBILITIES HELD:

- Acted as **Treasurer of Women Entrepreneurship Cell**, University College of Engineering, Nagercoil.
- Executive Member of Events Committee, **ACNII**, University College of Engineering, Nagercoil. Executive
- Member of **English Club**, University College of Engineering, Nagercoil.
- Member of **Fine Arts Club**, University College of Engineering, Nagercoil.
- Class representative, Civil Engineering Dept., University College of Engineering, Nagercoil
- Class Committee representative, Structural Engineering Dept., Government College of Technology, Coimbatore

ACHIEVEMENTS :

- Received felicitation in BGRE Systems Limited for developing spreadsheet for raft design with multiple columns, which reduced time and number of iterations.

REFERENCE

Dr.Radhakrishna G Pillai (Associate Professor)
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Indian Institute of Technology Madras
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DECLARATION:

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Chennai
Date: 24/05/2020

Sreelakshmi S