

## FACULTY PROFILE



Name of the staff : **ARULPANDIAN V**  
Office Address with E-mail ID : **Assistant Professor(Senior Grade)**  
Department of Civil Engineering  
National Engineering College  
K.R.Nagar, Kovilpatti - 628503  
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Mobile Number : 8903024198, 9894556912  
Date of Joining in the Institution : 17.05.2019  
Date of Joining the Present Post : 01.04.2025

### PERSONAL DETAILS

Age : 33  
Date of Birth : 18.04.1993  
Sex & marital status : Male & Married  
Citizenship : Indian  
Qualification : M.E., (Structural Engineering)

Degree	Programme/ Specialization	Class/CGPA	Month and year of passing	Institute/ University
B.E	Civil Engineering	First class and 8.2 ( <b>Anna University Rank Holder</b> )	April 2014	CARE Group of Institutions,Trichy/ Anna University
M.E	Structural Engineering	First class with Distinction and 8.6 ( <b>Gold Medalist</b> )	May 2018	Alagappa Chettiar Government College of Engineering and Technology,Karaikudi/ Anna University
Ph.D	Structural Engineering	Pursuing (Part-Time)	-	Thiagarajar College of Engineering, Madurai/ Anna University

### AREAS OF INTEREST

- Pre-stressed Concrete Structures,
- Concrete Technology

### RESEARCH FIELD

- Size effect on RC Beams
- Geopolymer Concrete

## EXPERIENCE (As on 30.06.2026)

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
National Engineering College, K.R.Nagar, Kovilpatti	Assistant Professor (Senior Grade)	01.04.2025	Till Date	1	3	1
National Engineering College, K.R.Nagar, Kovilpatti	Assistant Professor	17.05.2019	28.03.2025	5	10	11
Kongunadu College of Engineering and Technology, Trichy	Assistant Professor	04.06.2018	14.05.2019	-	11	10
Shivani College of Engineering and Technology, Trichy	Assistant Professor	16.06.2014	30.04.2016	1	10	14
<b>Total years of Experience</b>				<b>9 Years 11 Months</b>		

## ACHIEVEMENTS

- During UG, Anna University **44<sup>th</sup> RANK holder** in the year 2014.
- During PG, Received **Gold Medal** in the year **2018**
- Received **Best Paper Award** in the International Conference held at Ramco Institute of Technology.
- NPTEL recognized as **Top Performing Mentor** in the Course of Electronic Waste management – Issues and Challenges, Jan-Feb 2023.
- NPTEL recognized as **Top Performing Mentor** in the Course GPS Surveying, July-Dec 2023.
- **NPTEL Discipline Star** JULY-DECEMBER 2025.

## JOURNAL PUBLICATIONS

1. Danielraj.S, **Arulpandian.V**, Nagalakshmi.S, Karuppan Chetty Karthick .RM “Comparative Study on Acoustical Behavior of Cement Mortar using Sound-Absorbing Materials” International Journal of Applied Engineering Research ISSN 0973-4562 Volume 14, Number 16 (**2019**) pp. 3503-3507.
2. **V Arulpandian**, R Jagadheeswari, S Danielraj, S Muthuraman and A Sakthivel “Feasibility Study on Paver Blocks blended with Textile Effluent Sludge and M-Sand” IOP Conference Series: Materials Science and Engineering, 1006 (**2020**) 012040, [doi:10.1088/1757-899X/1006/1/012040](https://doi.org/10.1088/1757-899X/1006/1/012040).
3. **V Arulpandian**, “Influence of aspect ratio on flexural behavior of reinforced self-compacting concrete beams”, Case Studies in Construction Materials (**Elsevier**), **2022**, **Impact factor 6.2**. <https://doi.org/10.1016/j.cscm.2022.e01339>
4. **V Arulpandian**, “An experimental investigation on sustainable concrete blended with fly-ash and demolished concrete aggregate”, AIP conference proceedings, 2023. <https://doi.org/10.1063/5.0162847>

## LINKS

- Orcid : <https://orcid.org/0000-0001-9801-3755>
- Google scholar : <https://scholar.google.com/citations?user=zMjNQxYAAAAJ&hl=en>
- Linkedin : [www.linkedin.com/in/arulpandian-v-ab63a31a4](http://www.linkedin.com/in/arulpandian-v-ab63a31a4)
- Scopus : 57221476122
- Vidwan id : <https://vidwan.inflibnet.ac.in/profile/286342>

## CONSULTANCY WORK CARRIED

Sl. No.	Name & address of the Organization Duration	Nature of Consultancy work	Net Amount (Rs.)
1	The Director, Rural development & Panchayat Raj (RD&PR), Panagal Building, Saidapet, Chennai-15	Structural design vetting for Proposed Construction of Bridge across Kurinchan Odai at Km 2/600 of Perurani to Melathattaparai Road Km 0/0/-5/0 in Melathattaparai Panchayat, Thoothukudi block	Rs. 80,000 (AY 2023-2024)
2	Selvi Ishwarya I.A.S Additional Collector (Dev)/ Project Director District Rural Development Agency Thoothukudi	Structural design vetting for Proposed Construction of Bridge across Koovaikinaru Odai at CH 500 of Komaneri Road at Komaneri Panchayat in Sathankulam Block Thoothukudi Dist	Rs. 60,000 (AY 2024-2025)

## TRAINING PROGRAMMES / SEMINARS/ WORKSHOPS/ FDP / SYMPOSIUM ATTENDED

S.No	Topic	Institutions	Course details	Date
1	Fracture Characterization of concrete using Non-destructive Testing including Acoustic emission Testing	IISc, Bengaluru	Short-term course (QIP)	16.12.2019-20.12.2019
2	Design of Reinforced Concrete Structures	NPTEL-AICTE	FDP	Jul-Oct 2019
3	Entrepreneurship	NEC, Kovilpatti	FDP	02.12.2019-14.12.2019
4	One day Workshop on R	IIT, Bombay	Workshop	09.11.2019
5	Sustainable Construction Practices	IIT, Indore	Short-term course (QIP)	12.10.2020-18.10.2020

6	Durability of Concrete (IWODOC - 2020)	NIT Karnataka	International Workshop	26.10.2020-30.10.2020
7	Advanced Technologies In Infrastructure Development	Eswari Engineering College, Chennai	FDP	13.05.2020-19.05.2020
8	Infrastructure development: Possibilities and challenges ahead	New Horizon Institute of Technology and Management, Thane	STTP	25.05.2020-29.05.2020
9	“Effective and Instructive Research”	Sona College of Technology, Salam	FDP	04.05.2020-10.05.2020
10	“Recent Advancements in Infrastructure Technology”	NIT, SIKKIM	One Week Workshop- TEQIP Sponsored	02.03.2021-06.03.2021
11	Sustainable Construction technology	IIT, Indore	ATAL-FDP	26.07.2021-30.07.2021
12	Hands on Design of Composite beams	Jaypee University of Technology, Waknaghat	Online Webinar	27.11.2021
13	Alternate building Construction Materials Towards Green Environment	GCT, Coimbatore	FDP	25.10.2021-29.10.2021
14	Innovation & Entrepreneurship Programme	Anna University, Tirunelveli	FDP	29.09.2022-01.10.2022
15	Analysis and Design of Structures by Limit State Method using Software	NITTTR, Kolkata	FDP	19.12.2022-23.12.2022
16	Recent trends and Future scopes in civil engineering	NIT, Jamshedpur	FDP	11.09.2023-15.09.2023
17	Research trends & future scope in civil engineering	NIT, Jamshedpur	FDP	09.09.2024-13.09.2024
18	Innovative Teaching Strategies with AI and Digital Tools	A2Z Edu-ScaleUp	FDP	30.12.2024
19	Artificial Intelligence Applications in Civil Engineering Enhancing Efficiency, Sustainability and Safety	Sree Buddha College of Engineering, Pattor, Kerala	ATAL FDP	06.01.2025-11.01.2025
20	“Mentoring and Counselling Skills for Teachers”	NITTTR, Chennai	FDP	26.08.2024-30.08.2024

21	Building Resilient Infrastructure to Earthquakes: From Design to Restoration	ATAL	FDP	10.11.2025-15.11.2025
22	Structural Health Monitoring: From Fundamentals to Field Implementation	NIT, Trichy	STTP	19.01.2026-23.01.2026

**SYMPOSIUM /SCHOOLS/CONFERENCES/WORKSHOPS ORGANISED:**

Sl.No.	Title	Period	Place	Remarks
1	National Level Technical Symposium (NEC TECHFEST 2K22 – CHISELZ v6)	15.11.2022-16.11.2022	Department of Civil Engineering, National Engineering College, Kovilpatti.	---

**PAPER PRESENTED IN INTERNATIONAL/NATIONAL CONFERENCES**

S.No	Title of the project	Title of the conference	Date	National/International
1	"Feasibility Study on Paver Blocks blended with Textile Effluent Sludge and M-Sand"	ScTACE 2020	09.10.2020 - 10.10.2020	National
2	"Effect of Textile Sludge in the Development of New Building Material as Fly Ash Bricks"	SNPCE 2020	07.12.2020	International
3	An Experimental Investigation on Sustainable Concrete Blended with Flyash and Recycled Concrete Aggregate ( <b>Best Paper Award</b> )	ICSTA 2022	11.03.2022-12.03.2022	International
4	Effect of Molarity of NaOH in the development of Low calcium flyash based geopolymer concrete.	ICONNECT-2024	28.03.2024	International
5	Sustainable development of	DigiTechCon'24	04.05.2024 -	International

	Geopolymer concrete paver blocks blended with boiler sand.		05.05.2024	
<b>6</b>	Enhancing the sustainability of geopolymer concrete with boiler sand in paver blocks	ICAIT 2025	28.02.2025	International
<b>7</b>	Performance evaluation of geopolymer concrete with varying sodium silicate mozartites and silicate ratios	SPACE 2025	02.04.25 – 03.04.25	International
<b>8</b>	Experimental Investigation of Geopolymer mortar blended with dredged marine sand	ICITMSEE'26	23.03.2026-24.03.2026	International

### Industrial Training

- Completed one-week Industrial Training programme at **H&R Steel Detailing Pvt. Ltd., Tirunelveli**, from **05.11.2024 to 11.11.2024**, enhancing practical knowledge of steel detailing and structural engineering practices.
- Completed one-week Industrial Training programme at **RSB Arch Project Consultants Pvt. Ltd., Chennai**, from **24.11.2025 to 29.11.2025**, strengthening practical understanding of structural consultancy, project planning, and design procedures.

### COMPLETED ONLINE COURSE

S.No	Title of the course	Conducted by	Date
1	Design of Reinforced Concrete Structures	NPTEL <b>(Elite+Silver)</b>	Jul-Dec 2019
2	Application in Engineering Mechanics	COURSERA (100% Graded)	15.06.2020
3	Mechanics of Materials I: Fundamentals of stress and strain and axial loading	COURSERA (100% Graded)	06.08.2020
4	Mechanics of materials III: Beam bending	COURSERA (100% Graded)	14.08.2020
5	RS & GIS applications in	IIRS	08.11.2021-

	Natural Recourses Management	B+ Grade	26.11.2022
6	Electronic Waste management – Issues and Challenges	NPTEL - <b>Elite</b>	Jan-June 2023
7	Retrofitting and Rehabilitation of Civil Infrastructure	NPTEL - <b>Elite</b>	Jan-June 2025
8	Qualitative Research Methods and Research Writing	NPTEL – <b>Successfully Completed</b>	Jan-June 2025
9	Advanced Reinforced Concrete Design	NPTEL - <b>Elite</b>	Jul-Oct 2025
10	Admixtures and Special Concrete	NPTEL - <b>Elite</b>	Jul-Oct 2025

### Attended Webinars through online

S.No	Title	Conducted by	Date
1	“Information and Communication Technology in Civil Engineering”	Karpagam College of Engineering, Coimbatore	01.05.2020
2	Modern Construction Techniques	Excel Engineering College, Kumarapalayam	01.05.2020
3	Career Challenges of Civil Engineer	Excel Engineering College, Kumarapalayam	01.05.2020
4	A futuristic perspective of career exploration and success	Sri Ramakrishna Institute of Technology, Coimbatore	02.06.2020
5	“Forensic Structural Engineering”	K. D. K. College of Engineering, Nagpur	03.05.2020
6	"Strain Compatibility in the Designing of Flexural Members"	Dr. N.G.P. Institute Of Technology, Coimbatore	05.05.2020
7	“Underwater Concreting”	Dr. N.G.P. Institute Of Technology, Coimbatore	06.06.2020
8	“INDUSTRIAL APPLICATIONS OF DIMENSIONAL ANALYSIS AND SIMULATION STUDIES”	Sri Ramakrishna Engineering College, Coimbatore	06.06.2020
9	“Progress of Concrete Science Since the Time of Duff A. Abrams”	K. D. K. College of Engineering, Nagpur	07.05.2020
10	“Evaluation and Rehabilitation of fire	Sona College of Technology, Salam	12.06.2020

	damaged flat slab structures”		
11	"Steel Structures : A Limit State Approach"	K. D. K. College of Engineering, Nagpur	17.06.2020
12	Emerging trends in Bridge design	SCAD College of Engineering and Technology, Tirunelveli	20.06.2020
13	“Restrained Shrinkage & Thermal Cracking in Concrete”,	K. D. K. College of Engineering, Nagpur	27.05.2020
14	“Advances in Civil Engineering and Constructions Technologies”	Ta’amir Consultants (Vadodara), Omkar Associates (Vadodara) and Om Pramukh Swami E.H.S. Consultants	08.06.2020- 12.06.2020

#### **OTHER RESPONSIBILITIES IN DEPARTMENT**

- Department Placement Coordinator
- Faculty Development (FD) Section Member
- NBA Criteria 7 In charge – Department level
- CADD lab In-charge
- Tutor of 2022-2026 Batch
- Department New Gen IEDC In-charge (Till 2024)
- EDC Member (Till 2024)
- Class in-charge for 2019-2023 batch

#### **PROFESSIONAL BODY MEMBERSHIP**

Life time Membership in The Institution of Engineers (India) (IEI) - **AM3130560**

#### **SUBJECTS HANDLED:**

<b>Course Title</b>	<b>U.G. / P.G.</b>	<b>Number of times</b>
<b>Theory Courses</b>		
Engineering Mechanics	U.G.	3
Design of Reinforced Concrete Elements	U.G.	3
Prestressed Concrete Structures	U.G.	6
Design of Steel Structures	U.G.	3
Prefabricated structures	U.G.	4
Strength of Materials	U.G.	1
Fluid Mechanics	U.G.	6
Estimation and Quantity Surveying	U.G.	2

Applied Hydraulics and Hydraulic machines	U.G.	6
Basics of Civil and Mechanical Engineering	U.G.	2
Irrigation Engineering	U.G.	2
<b>Laboratory Courses</b>		
Concrete and Highway Laboratory	U.G.	4
Strength of Materials Laboratory	U.G.	5
Survey I Laboratory	U.G.	2
Hydraulic Engineering Laboratory	U.G.	5
Structural Design and Drawing Laboratory	U.G.	3
<b>One Credit Courses</b>		
Recent Advancements in Special Concrete	U.G.	3

**Arulpandian V**