

FACULTY PROFILE

Name of the staff : **V.ARULPANDIAN**
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Department of Civil Engineering
National Engineering College
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Mobile Number : 8903024198, 9894556912
Date of Joining : 17.05.2019

PERSONAL DETAILS

Age : 31
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 (Anna University Rank Holder)	April 2014	CARE Group of Institutions,Trichy/ Anna University
M.E	Structural Engineering	First class with Distinction and 8.6 (Gold Medalist)	May 2018	Alagappa Chettiar Government College of Engineering and Technology,Karaikudi/ Anna University

AREAS OF INTEREST

- Pre-stressed Concrete Structures
- Concrete Technology

RESEARCH FIELD

- Concrete Technology
- Size effect on RC Beams
- Geopolymer Concrete

EXPERIENCE (As on 27.07.2023)

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
National Engineering College,K.R.Nagar,Kovilpatti	Assistant Professor	17.05.2019	Till Date	4	2	10

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	16.6.2014	30.04.2016	1	10	14
Total years of Experience				7 Years		

ACHIEVEMENTS

- During UG, Anna University **44th RANK holder** in the year 2014.
- During PG, Received **Gold Medal** in the year **2018**
- Receive **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.

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 Webniar	27.11.2021
13	Alternate building Construction Materials Towards Green Environment	GCT,Coimbatore	FDP	25.10.2021-29.10.2021

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 (Best Paper Award)	ICSTA 2022	11.03.2022-12.03.2022	International

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>

COMPLETED ONLINE COURSE

S.No	Title of the course	Conducted by	Date
1	Design of Reinforced Concrete Structures	NPTEL (Elite+Silver)	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 Natural Recourses Management	IIRS B+ Grade	08.11.2021- 26.11.2022
6	Electronic Waste management – Issues and Challenges	NPTEL - Elite	Jan-Feb 2023

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 damaged flat slab structures”	Sona College of Technology, Salam	12.06.2020
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 New Gen IEDC In-charge
- Department IIC in-charge
- Placement Coordinator
- EDC Member
- Class in-charge for 2019-2023 batch

SUBJECTS HANDLED:

Course Title	U.G. / P.G.	Number of times
Theory Courses		
Engineering Mechanics	U.G.	2
Design of Reinforced Concrete Elements	U.G.	1
Fluid Mechanics	U.G.	5
Estimation and Quantity Surveying	U.G.	2
Prestressed Concrete Structures	U.G.	6
Basics of Civil and Mechanical Engineering	U.G.	2
Applied Hydraulics and Hydraulic machines	U.G.	5
Laboratory Courses		
Concrete and Highway Laboratory	U.G.	2
Strength of Materials Laboratory	U.G.	5
Survey I Laboratory	U.G.	1
Hydraulic Engineering Laboratory	U.G.	5
Structural Design and Drawing Laboratory	U.G.	3
One Credit Courses		
Recent Advancements in Building marking	U.G.	2

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