

FACULTY PROFILE

Name of the staff

: HARSHANI R

Office Address with E-mail ID

: Assistant Professor

Department of Civil Engineering

National Engineering College K.R. Nagar,

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Personal Details

Age : 23
Date of Birth : 03-10-1999
Sex & Marital status : Female & Unmarried
Citizenship : Indian
Qualification : M.E., (Structural Engineering)

Degree	Programme/ Specialization	Class/ CGPA	Month/Year of passing	Institute/ University
M.E.,	Structural Engineering	Distinction- 9.24	July 2023	Mepco Schlenk Engineering College, Sivakasi.
B.E.,	Civil Engineering	Distinction - 8.83 (27 th University Rank Holder)	May 2021	Ramco Institute of Technology, Rajapalayam.

Date of Joining : 08.06.2023

Present Status : Assistant Professor

Areas of Interest

- Concrete Technology
- Railway, Airport and Harbour Engineering
- Strength of Materials
- Repair and Rehabilitation of structures

Professional membership:

- Indian Concrete Institute.

Other Responsibilities in Department

- Research and Development member.

Achievements

- Secured **University Rank Holder** as 27th among 8046 Candidates in UG awarded by Anna University for the Batch 2017 - 2021.
- **TANCET 2021 Scorer** with 54.70 Percentile among 8286 Candidates.
- Bagged Best Outgoing Student award from Ramco Institute of Technology.
- Paper Presented in “Technical Symposium-GYANMITRA 2019” -*Historical Structures in Civil Engineering*.

Inplant Training

- Trained on “Railway Department” at Madurai Railway Station ,Madurai in May 2019
- Trained on “Design Of RCC Elements “ at Public Work Department ,Virudhunagar in December 2018
- Underwent “ Village Plan and its Layout Details “ at Ravikumar Consultancy , Sivakasi 2017
- Online Internship certified Program “Simulation on ANSYS and ABAQUS” for the period of one month,Rajapalayam 2021.

National / International Conference Attended:

1. **Mr.G.Dharmar, Miss.R.Harshani, Miss.S.Anto Sherlina** presented "Numerical Simulation on Reinforced Concrete Beam with Different Cover Size Under Two Point Bending Load" in the National Web Conference on Challenges and Innovation in Engineering & Technology 2021, during 19 - 20 March 2021.
2. **Ms.S.Revathi , Dr.D.Brindha, Miss.R.Harshani** presented "Effect of incorporating fibers in Reactive Powder Concrete – A Review" 5th International Conference on Advancements in Materials and Manufacturing 2022 (ICAAMM-2022) , December-2022
3. **Ms.S.Revathi , Miss.R.Harshani** presented "Luminance and strength characteristics of Translucent concrete" International Conference on Recent Trends in Science, Engineering and Technology (KIRSET - 2023) , March-2023.

4. **Mr.A.Manicka Mamallan,Mr.V.Raghavan,Mr.Venkatesh Perumal, Miss.R.Harshani, Miss.S.Anto Sherlina** presented " Study and evaluation of contamination of soil due to firecrackers in selected areas around Sivakasi" International Conference on Sustainable Technology in Civil Engineering and Applied Sciences 2023 (ICSTCA -2023) , March-2023
5. **Mr.G.Karthikeyan, Ms.A.Leema Margret, Mr.Vineeth, Ms.R.Harshani** presented "Experimental study on mechanical properties of Textile Reinforced Concrete(TRC)" International Conference on Sustainable Technology in Civil Engineering and Applied Sciences 2023 (ICSTCA -2023) , March-2023
6. **Ms.S.Revathi , Miss.R.Harshani** presented "Study on Compressive strength of Reactive Powder Concrete (RPC) under various curing regimes" International Conference on Sustainable Technology in Civil Engineering and Applied Sciences 2023 (ICSTCA -2023) , March-2023
7. **S. Revathi, Dr.D.Brindha, R.Harshani** presented "Investigation on Compressive Strength of UltraHigh-Performance Concrete(UHPC) under Autoclave curing" International conference on Emerging Trends in Engineering and Technology-Industry 4.0 (ETETI-2023) , May-2023.

Workshops /Seminars/ Courses Attended

S.No	Title	Host Institution	Course Detail	Period
1.	National intellectual property awareness mission	Mepco Schlenk Engineering College,Sivakasi	Webinar	09.02.2023
2.	Condition assessment and strengthening of structures	Mepco Schlenk Engineering College,Sivakasi	1 Week STTP	April 2022
3.	Fibre Reinforced Concrete and its mechanism	WOFRCM-2021, R&D institute of science and technology, Chennai	Webinar	23.06.2021
4.	AI for India	Guvi-Guinness World Record event-	Online course	25.04.2021
5.	UHPC design and its optimization	Ultratech Cement ltd	Webinar	26.03.2021
6.	Road Safety engineering e-learning training course	European Bank of reconstruction and development	Online course	24.02.2021
7.	Project management	PALS 2020-21	4 days course	Dec 2020

8.	Introduction to Programming with MATLAB	Vanderbilt University is a private research university in Nashville, Tennessee	4 Week course	Nov 2020
9.	Rail101x: Railway Engineering: An Integral Approach	Delft University of Technology, Netherland	12 Week course	Oct-Dec 2020
10.	Renewable Energy and Green Building Entrepreneurship	Duke University, North Carolina	4-week course	August 2020
11.	Municipal Solid Waste Management in Developing Countries	École Polytechnique Federale de Lausanne, Switzerland	4 Week course	August 2020
12.	Excel Skills for Business: Essentials	Macquarie University, Australia	8 Week course	July-Aug 2020
13.	Transfer Functions and the Laplace Transform	Massachusetts Institute of Technology, Cambridge	12 Week course	July-Sept 2020
14.	Impact of drone in construction industry	PET Engineering College, Vallioor	Webinar	17-07-2020
15.	Training on Staad.Pro	Intershala	8 Week course	June-July 2020
16.	Introduction to Geology and its application in Civil engineering	Vignan Institute of Technology and Science, Telangana	Webinar	23.07.2020
17.	Mastering bitumen for better roads and innovative applications	École des Ponts ParisTech, France	4 Week course	July 2020
18.	Structures	BMS Institute of Technology and Management	5 days Webinar	July 2020
19.	Air Pollution – a Global Threat to our Health	University of Copenhagen, Denmark	4 Week Course	July 2020
20.	Learn to Design your own Solar home	Certificate of Energy literacy	1 week course	June 2020
21.	Introduction to Engineering Mechanics	Georgia Institute of Technology, Georgia	4 Week course	June 2020
22.	Project Management and Cost Estimation Webinar	Infinity PMC solution	Webinar	30.04.2020
23.	Auto Cad Course	Studcor Learn	4 Week Training	August 2019
24.	Recent trends in Green Chemistry	Ramco Institute of Technology, Rajapalayam	Workshop	11.08.2018

Journal Publication

- **Ms.R.Padma Rani, Miss.R.Harshani** published " Simulation on RC beam under Two-point loading using ANSYS” , International Journal for Modern Trends in Science and Technology, ISSN: 2455-3778.

- **Ms.S.Revathi , Dr.D.Brindha, Miss.R.Harshani** published "Effect of incorporating fibers in reactive powder concrete – A review" Materials Today: Proceedings , May-2023 , DOI: <https://doi.org/10.1016/j.matpr.2023.04.472>.

- **Dr.G. Karthikeyan, Ms.A.Leema Margret,Mr.V. Vineeth, Miss.R.Harshani** published “ Experimental study on mechanical properties of Textile Reinforced Concrete(TRC) ” E3S Web of Conferences 387, 04002 (2023). DOI: <https://doi.org/10.1051/e3sconf/202338704002>.

HARSHANI R

AP/CE