

Mr. M. Deepak

AP-III and Civil Department

Velammal College of Engineering and Technology, Madurai

e-Mail Id: md@vcet.ac.in

Blog Address: NIL

Educational Qualification:

Degree	Major Subject(s)	Graduated From	Class Obtained
M.Tech	Structural Engineering	SASTRA University, Thanjavur	First Class with Distinction
B.Tech.	Civil Engineering	Kalasalingam University Krishnankoil	First Class

Experience in Years: 7 years Months**Employment History:**

Designation / Position	Institution	Years of Experience
Assistant Professor-III	Velammal College of Engineering and Technology Madurai-9	1 year 9 Months as on 13.10.2023
Assistant Professor	AMRITA College of Engineering and Technology, Nagercoil	0.10
Assistant Professor	Karpagam College of Engineering, Autonomous Coimbatore.	4.5
Total Work Experience		7

Interested Research Areas: Structural Engineering, Soft Computing in Civil Engineering,**Scholarships and Awards received:**

- Received the cash award of five thousand for Handling smart classroom and Creating Digital content of strength of Materials course in the academic year 2018-2019, from Karpagam College of Engineering, Coimbatore.
- Received the Best faculty award and cash award for the year the academic year 2016-2017, from Karpagam College of Engineering, Coimbatore.
- Received the cash award of eighteen thousand for extraordinary performance as Placement co ordinator in the academic year 2015-2016, from Karpagam College of Engineering, Coimbatore.

- Received Silver medal with Elite category in NPTEL Course Enhancing Soft Skills and Personality.
- Received Elite Certification in the NPTEL Course Introduction to Research.

Funded Research Projects: NIL

Publications Details:

1. Patent rights received: Submitted

Design Application No	Title of the Patent	Status
379556-001	Solarized Opposingly Foldable Wall Awning	Under Progress

2. International Scopus Indexed Journal Publication Details:

S. No	First Author	Title of the paper	Name of Journal	Vol.no/ Issue no/ Year
1.	Mr. M.Deepak	Crack width prediction of RC beams by artificial neural networks,	Materials Today: Proceedings, 2023,	ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2023.05.377 . (https://www.sciencedirect.com/science/article/pii/S2214785323030109)
2.	Mr. M.Deepak	Modeling of compressive strength of concrete using Gaussian Membershipfunction	International Journal of Innovative Technology and Exploring Engineering	Volume 9, Issue 2s2, Pages 119-124 2019.
3.	Mr. M.Deepak	Modeling of concrete slump and compressive strength using ANN	International Journal of Innovative Technology and Exploring Engineering	Volume 8, Issue 5s, Pages 497-503 2019.
4.	Mr. M.Deepak	Experimental study of partial replacement of coarse aggregate with coconut shell and lathe scrap in concrete	International journal of pure and applied mathematics	Volume 118 Issue no. 20 2018

5.	Mr. M.Deepak	ANN modelling for prediction of compressive strength of concrete having silica fume and metakaolin	International Journal of ChemTech Research	Volume 8, Issue 1, Pages 184-189 2015
6.	Mr. E. Sakthivel Mr. M. Deepak	Using Oleaginous Yeast in Spent Tea for Determination of Lipid Accumulation Capacity	International Journal of Innovative Technology and Exploring Engineering	Volume-9 Issue-7, Pages 360-363 May 2020
7.	Sivapragasam, C. Balamurli, S., Deepak, M.,	Trends in rainfall patterns over the Tamarabarani Basin in Tamil Nadu, India	20th International Congress on Modeling and Simulation, Adelaide, Australia	Proceedings - 20th International Congress on Modelling and Simulation, MODSIM 2013, Pages 25832589

3. International Conference Presentation Details:

S. No	Title	Conference name	Venue	Date
1.	Determination of ground water quality for drinking and irrigation purposes in Madurai using water quality indices	SIIOC-2023 · International Conference on Sustainable Infrastructure: Innovation, Opportunities and Challenges	National Institute of Technology Karnataka, Surathkal	03.04.2023
2.	Use of Gaussian Membership function for Modeling of compressive strength of concrete containing slag and fly ash	Fifth International Conference on Electrical, Electronics, Instrumentation and Computer Communication	Karpagam College of Engineering, Coimbatore, Tamilnadu	24& 25.1.2019
3.	Optimal Design of Structure using Artificial Bee Colony Algorithm	3 rd International Conference on Advanced Engineering and Technology for Sustainable Development	Karpagam College of Engineering, Coimbatore, Tamilnadu	30& 31.3.2017
4.	Behaviour Recycle Concrete Aggregate when Treated with Hydrogen Sulphate	International Conference on Advanced Engineering and Technology for Sustainable Development'2016(ICAET SD-2016)	Karpagam College of Engineering, Coimbatore, Tamilnadu	19& 20.02.2016

4. National Conference Presentation Details:

S. No	Title	Conference name	Venue	Date
1	Experimental Study of Partial Replacement of Coarse Aggregate with Coconut Shell and Lathe Scrap in concrete	2 nd National Conference on Recent Innovations in Civil Engineering and Technology (RICET-18)	JCT College of Engineering and technology	7.03.2018
2	Strength Characteristics of Concrete Containing Metakaolin and Silica Fume	National Conference on Modern Infrastructure Development through Sustainability	M. Kumarsamy College of Engineering, Karur, Tamilnadu	17.03.2016

5. Google Scholar report: [Click Here](#)

Faculty Development Programme:

S.NO	Title	Institution	Date
1.	Five days Faculty Development programme on Smart and Sustainable Infrastructure'	Velammal College Of Engineering and Technology	29.05.2023 to 03.06.2023.
2.	Five days Faculty Development programme on 'Sustainable Development with Innovations in Civil Engineering'	Velammal College Of Engineering and Technology	21.11.2022 to 25.11.2022.
3.	Online Five Days Faculty Development Program on Advancements in Concrete Technology	Ballari Institute of Technology & Management, Ballari	19.12.2022 to 23.12.2022
4.	Five Days Faculty Development Program Futuristic Research scope in Civil Engineering	C.K. College of Engineering and Technology, Cuddalore	23.8.2022 to 27.8.2022
5.	AICTE Training and Learning Academy FDP on Waste Technology	NIT Warangal	4.1.2021 to 8.1.2021
6.	Five days FDP on "Ground Improvement Techniques"	SSn College of Engineering	26.12.2020 - 31.12.2020
7.	TEQIP-III Sponsored One week Online STTP on Advanced Technologies in Water Resource Management	Government College of Engineering, Aurangabad. Maharashtra	23.11.2020-27.11.2020
8.	AICTE Sponsored, One week Online STTP on "Repair and Rehabilitation of Structures"	RVR & JC College of Engineering, Guntur-522019, Andhra Pradesh	16.11.2020 to 21.11.2020
9.	AICTE Sponsored, One week Online STTP on "Cold Form Steel in Construction Industry"	Coimbatore Institute of Technology, Coimbatore	4.11.2020-10.11.2020
10.	AICTE Sponsored, Two weeks Online FDP on "Internet of Things: A future outlook in Civil Engineering"-Phase-1	NSS College of Engineering, Palakkad, Kerala	2.11.2020-14.11.2020
11.	TEQIP-III Sponsored, Five days Online short term Course on Machine Learning and its application to Civil Engineering	National Institute of Technology, Srinagar	2.11.2020 & 6.11.2020
12.	TEQIP-III Sponsored Online 3 Days FDP on Outcome based engineering education and Accreditation	National Institute of Technology, Meghalaya	21.9.2020-23.9.2020

13.	Two days FDP on Teaching, Learning and Assessment with Moodle LMS	Teaching and Learning Centre Coimbatore Institute of Technology	21.11.2020 to 22.11.2020
14.	One Day FDP on “Challenges on Pile Load Testing”	NIT ,Jalandhar	24.09.2020
15.	AICTE Sponsored, One week Online STTP on Emerging Tools for Design and Analysis of Sustainable Roads	VNRVJIET, Hyderabad	24.8.2020 to 29.8.2020
16.	AICTE Sponsored Six days STTP on “Developing Research and Development Culture in Industry Institute Interaction Oriented Modern Teaching Learning and Project Based Learning”	Francis Xavier Engineering College,Tirunelveli	24/08/2020 to 29/08/2020
17.	Three days FDP on “Outcome Based Education”	Rai University, Ahmedabad, Gujarat	22.7.2020 to 24.7.2020
18.	One week Online FDP on “Effective online Teaching methods”	Dr. N.G.P Institute of Technology, Coimbatore	8.06.2020 to 14.06.2020
19.	One week Online FDP on “Impactful online Teaching and Student Engagement”	Uttarakand Science Education and Research Centre	4.8.2020 to 8.8.2020
20.	AICTE Sponsored Six days STTP on Teaching Learning Pedagogies	A.G. Patil Polytechnic, Solapur, Maharastra	3.8.2020 to 8.8.2020
21.	One week Online FDP on “ Sustainable Concepts in Civil Engineering and Architecture	M S Ramaiah Institute of Technology (Autonomous Institute, Affiliated to VTU) Bangalore, 560054	21.07.2020 to 25.07.2020
22.	Online FDP on Upscaling Management Education Through Hybrid Learning	Karunya Deemed University,Coimbatore	31.07.2020
23.	Two days Course on Engineering of Precast Concrete for Mass Housing :Trainthe Trainers	CSIR-Structural EngineeringResearch Centre,Chennai-	3.02.2020 &4.02.2020
24.	Five days Hands-on Training on E-Tabs	Coimbatore Institute of Technology Coimbatore.	22.11.2019-26.11.2019
25.	Six days FDP on Strength of Materials	Ramco Institute of Technology, Rajapalayam.	27.05.2019 to 1.6.2019
26.	Five days FDP on finite element method in civil engineering	Teaching and Learning Centre Coimbatore Institute of	16.02.2019 to 20.02.2019

		Technology	
27.	Two Days Seminar on Graphene - Nanotechnology: Civil Engineering Applications	Coimbatore Institute of Technology Coimbatore.	07.06.2018 to 08.06.2018
28.	One Day FDP on Manufacturing of Cement & Concrete Mix Design – Practical Procedures	ACC Limited Madukka rai, Coimbatore.	9.03.2018
29.	ISRO Sponsored National Seminar on 4P (Predict,Plan,Prepare&Protect) of flood using Remote Sensing and GIS	Nandha Engineering College,Erode.	7.07.2017
30.	Two days workshop on Soft Computing Techniques using MATLAB	Kongu Engineering College, Perundurai,Erode.	16.09.2016 to 17.09.2016
31.	6 days FDP on Design of Steel Structures	Info Institute of Engineering,Coimbatore	22.11.17 to 28.11.17
32.	2 days FDP on “Creative Thinking” by ICT Academy	KARPAGAM University,Coimbatore	19.12.2016 to 20.12.2016