

Dr.A.V.Deepan Chakravarthi B.E.,M.E., Ph.D

Associate Professor and Civil Department

Velammal College of Engineering and Technology, Madurai

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Blog Address: NIL

Educational Qualification:

Degree	Major Subject(s)	Graduated From	Percentage
Ph.D	Structural Engineering	Anna University - Chennai	-
M.E	Structural Engineering	Anna University - Trichy	81.2
B.E	Civil Engineering	Anna University - Chennai	66

Experience in Years (Teaching): 12 years 3 Months**Employment History:**

Designation / Position	Worked & Posted Institution	Years of Experience
Associate Professor	Velammal College of Engineering and Technology, Madurai	ASP: 2 months to till date
Assistant Professor		AP: 11 years, 2 months (D.O.J: 15.06.2012)
Assistant Professor	M Kumarasamy College of Engineering, Kar	1
Planning Engineer	Utracon Structural Systems Pvt Ltd, Chennai	1.5
Site Engineer	East Coast Construction And Industries Ltd, Chennai	2.5
Total Work Experience		15

1. Interested Research Areas: Strength of Materials I and II, Structural Analysis I and II, Highway and Railway Engineering,

2. Funded Research Projects: 1 (CO-PI)

Registration No	Title of the Project	Funded Agency	Total Cost	Status & Period
TPN / 79346	Indigenisation of Design and Manufacture of Magnesium Oxide Board for Rapid and Affordable House Construction	DST, New Delhi	Rs. 49.00 lakhs,	Approved & Three Years: 2023 to 2026

3. Patent rights received: Submitted: 1**Details:**

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

4. Book Details:

Title of the Book	Name of the Publisher	Details of Edition
TEXT BOOK OF GEOTECHNICAL ENGINEERING	AGPH BOOK PUBLICATION	First Edition, 2022

5. International Journal Publication Details:

National / International	Title of the Journal	Title of the Paper	Publication Details
International	European Chemical Bulletin	Evaluation on Mechanical properties and Abrasion resistance of Precast Paver blocks using Copper Slag	12 (5), 614-634 2023
International	Journal of Environmental Protection and Ecology	Development of Fly Ash-Based Construction Blocks With Copper Slag As Partial Replacement of Fine Aggregates	vol. 23, no. 5, pp. 1985-1995, Aug 2022
International	International Journal of Advanced Research (IJAR)	Published a paper titled “Analysis and Design of Multi-Storeyed (G+2) Residential Building”	Vol 10, Issue: 4 Apr, 2022
International	GIS Science Journal	Published a paper titled “Voice Based Email For Visually Challenged”	Vol 9, Issue: 1 JAN, 2022
International	International Research Journal of Engineering and Technology	Published a paper on “Analysis and Design of Apartment Building(G+3) by STAAD PRO”	Volume 8, Issue 1, January 2021
International	International Research Journal of Engineering and Technology	Published a paper on “Analysis and Design of Primary School Building”	Volume 8, Issue 1, January 2021

International	International Journal of Recent Engineering Science (IJRES)	Published a paper on “Effect of Mortar Thickness on Compressive Strength of Solid Block Masonry Prisms Prototyped Using Granite Dust and M-Sand”	Volume 7 Issue 3 May - June 2020
International	International Journal of Recent Engineering Science (IJRES)	Published a paper on “Experimental Investigation of Fly Ash Based Solid Block Masonry Prisms by Using M-Sand as Partial Replacement of Fine Aggregate”	Volume 7 Issue 3 May - June 2020
International	International Journal of Recent Engineering Science (IJRES)	Published a paper on “Strength And Durability of Concrete Block By Partial Replacement of Cement With Granite Dust And Fine Aggregate With M-Sand”	Volume 7 Issue 3 May - June 2020
International	International Journal of Recent Engineering Science (IJRES)	Published a paper on “Evaluation of Workability and Strength of Fly Ash Based Solid Block Using M-Sand as Replacement of Fine Aggregate”	Volume 7 Issue 3 May - June 2020
International	International Journal of Engineering in Computer Science	Published a paper on “Image processing in plant diseases detection”	IJECS 2019; 1(2): 10-15
International	International Journal Of Modern Trends In Engineering And Science	Published a paper on “Soil Moisture measurements using IoT and Sensors”	Volume 5, Issue 2, Year 2018
International	International Journal of Applied Engineering Research ISSN 0973-4562	Published a paper on “Durability of Concrete Pavement with Partial Replacement of Fine Aggregate by Copper Slag”	Volume 10, Number 15 (2015) pp 35701-3570
International	International Journal of Applied Engineering Research ISSN 0973-4562	Published a paper on “Studies On Impact Of Copper Slag As Fine Aggregate Replacement In Concrete Pavement”	Volume 10, Number 12 (2015) pp. 30943-30952

6. International/ National Conference Presentation Details:

ACADEMIC YEAR 2021-2022

S. No	Title	Jorurnal Name/Organized	Date
1	Comparison Study of Retrofitting Concrete Beams Using FRP, CFRP and Thermoplastics	Recent Advances and Innovations in Civil Engineering (RAICE-2023)	13.04.2023
2	Presented a paper in Virtual International Conference titled “Sustainable Studies on GGBS Added Concrete with Hypo Sludge as a Self-Curing Catalyst”	Sustainable Practices and Innovations in Civil Engineering (SPICE) 2022, Department of Civil Engineering, Sri Sivasubramaniya Nadar College of Engineering, Chennai	16.03.2022 & 17.03.2022
3	Presented a paper in A Two Day Virtual National Conference titled “Flowability and Strength of a Fly Ash-based Solid Block Utilizing M-Sand as a Fine Aggregate Replacement”	Sustainable Infrastructure with Responsible Consumption and Production, SIRCP’22, Department of Civil Engineering, VCET, Madurai	24.03.2022 & 25.03.2022
4	Presented a paper in A Two Day Virtual National Conference titled “Experimental Study of Fly Ash based Solid Block Masonry Prism Utilizing M-Sand as a Partial Replacement for Fine Aggregate”	Sustainable Infrastructure with Responsible Consumption and Production, SIRCP’22, Department of Civil Engineering, VCET, Madurai	24.03.2022 & 25.03.2022
5	Presented a paper in A Two Day Virtual National Conference titled “Assessment of Groundwater Quality in Part of Lower Vaigai Basin Using Remote Sensing and GIS”	Sustainable Infrastructure with Responsible Consumption and Production, SIRCP’22, Department of Civil Engineering, VCET, Madurai	24.03.2022 & 25.03.2022
6	Presented a paper in A Two Day Virtual National Conference titled “Impact of Mortar Thickness on Strength Properties of Granite Powder and M-Sand Prototyped Solid Block Masonry Prisms”	Sustainable Infrastructure with Responsible Consumption and Production, SIRCP’22, Department of Civil Engineering, VCET, Madurai	24.03.2022 & 25.03.2022
9	Presented a paper in A Two Day Virtual National Conference titled “IoT applications in agro-industrial and environmental fields”	Sustainable Infrastructure with Responsible Consumption and Production, SIRCP’22, Department of Civil Engineering, VCET, Madurai	24.03.2022 & 25.03.2022

7. FACULTY DEVELOPMENT PROGRAM DETAILS:


S.NO	PROGRAM NAME	ORGANIZED	Date
1	Smart and Sustainable Structure	Velammal College of Engineering and Technology - Madurai	29.05.2023 – 05.06.2023
2	Emerging Technology Trends in Disaster Management with Applications	SRM Institute of Science and Technology	23.05.2022 – 28.05.2022
3	Applications of Remote Sensing and GIS for Groundwater Management Studies	Vel Tech, School of Mechanical and Construction	23.05.2022 – 28.05.2022
4	Seven days FDP program on AICTE-ISTE INDUCTION/REFERESHER PROGRAM on “ An Effective Pedagogy Practice”	K.L.N. College of Engineering - Pottapalayam	03.03.2021- 09.03.2021
5	Five Days Short Term Training program on “ Analysis and Design of Structures using STAAD PRO”	Sethu Institute of Technology - Pulloor	05.04.2021- 09.04.2021
6	Seven days FDP program on INTERNAL QUALITY ASSURANCE CELL (IQAC)	Vellalar College For Women - Coimbatore	24.04.2021 – 30.04.2021
7	Webinar on “ National Education Policy 2020-What it entails for Professional Education”	Velammal College of Engineering and Technology - Madurai	01.05.2021
8	Faculty Awareness Programme on NBA to keep in touch with NBA Accreditation	PACE Institute of Technology and Sciences - Kakinada	17.05.2021


9	Five Day Online Faculty Development Programme on “Green Building Practices”	CMTI, Bangalore & VCET Madurai	13.07.2021 - 17.07.2021
10	Spoken Tutorial Project “Drupal”	IIT Bombay	01.07.2020 – 01.09.2020
11	Improving Your Research Visibility – Research Impact and Metrics	Velalar College of Engineering and Technology, Erode	11.05.2020 – 13.05.2020
12	The Scope and impact of Open Source Technologies	Velalar College of Engineering and Technology, Erode	26.05.2020 – 30.05.2020


7. WORKSHOP/SEMINAR/WEBINAR DETAILS:



S. No	Title	Organized	Date
1.	One-week Short Term Course on “QUANTITY TAKE OFF training program”	B.T.R.CONSTRUCTION, Erode	27.09.2022 to 30.09.2022
2.	Two days workshop on “Tekla’s BIM Technology and the Future of BIM Education”	CADD Academy, Madurai	15.02.2021- 16.02.2021
3.	Quantity Take Off	CMTI, Bangalore	01.04.2021 – 10.04.2021

8. Google Scholar report:



Deepan Chakravarthi A V 
[Velammal College of Engineering and Technology](#)
Verified email at vcet.ac.in
[Structures](#)

 FOLLOWING

☐ **TITLE**  

CITED BY **YEAR**

☐ **Evaluation on Mechanical properties and Abrasion resistance of Precast Paver blocks using Copper Slag**
CM Rani, N Sundar, V DeepanChakravarthiA, K Ramesh
European Chemical Bulletin 12 (5), 614-634

2023

☐ **DEVELOPMENT OF FLY ASH-BASED CONSTRUCTION BLOCKS WITH COPPER SLAG AS PARTIAL REPLACEMENT OF FINE AGGREGATES**
AV Chakravarthi, S Nagan
JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY 23 (5), 1985-1995

2022

☐ **SUSTAINABLE STUDIES ON GGBS ADDED CONCRETE WITH HYPO SLUDGE AS A SELF-CURING CATALYST**
R Yuvaraja, L Andal, RV Saravanan, AVD Chakravarthi

2022

☐ **VOICE BASED EMAIL FOR VISUALLY CHALLENGED**
AVDC C.B Selvalakshmi, Mrs.K.Santha Sheela
GIS SCIENCE JOURNAL 9 (1), 190-195

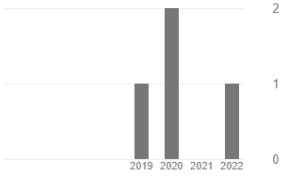
2022

☐ **Analysis and Design of Primary School Building**

2021

Cited by


	All	Since 2018
Citations	4	4
h-index	1	1
i10-index	0	0




Co-authors [EDIT](#)

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9. Research Gate report:

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Deepan Chakravarthi
Velammal College of Engineering and Technology - Civil Engineering
Master of Engineering

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About

13
Publications


3,728
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Publications

Publications (13)

Current institution

Velammal College of Engineering and Technology 
Civil Engineering - Madurai, India
Current position
Assistant Professor

Geophysical Laboratory , Marine & Coastal Survey Division, GSI

10. Scopus Review report:

