



Name **DUMPA. VENKATA SAI RAMA KRISHNA CHAITANYA**
Father's Name Dr. D.V KRISHNA REDDY, M.A, Ph.D.
Mother Name Dr. D. PADMAVATHI, M.Sc., Ph.D.
Date of Birth 14 September, 1991
Marital Status Married
Present Position & Office Address Assistant Professor
1) Department of Civil Engineering
University College of Engineering
& Technology
2) University College of Architecture and
Planning
Acharya Nagarjuna University
Nagarjuna Nagar
Guntur - 522 510. A.P, India
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❖ **ACADEMIC QUALIFICATIONS**

Ph. D. (Civil Engineering)	Effects of Admixtures on Rheological & Mechanical Properties of concrete (Pursuing)
M.E. (Structural Engineering)	Andhra University College of Engineering, Visakhapatnam, 2015.
M.B.A (Project Management)	Alagappa University Karaikudi, Tamil Nadu, 2016
P.G Diploma in Disaster Management	Indira Gandhi National Open University, 2014.
P.G Diploma in Urban Planning and Development	Indira Gandhi National Open University, 2017.
B.Tech. (Civil Engineering)	Gayatri Vidya Parishad college of Engineering, Visakhapatnam. Jawaharlal Nehru Technological University, Kakinada, 2013.

❖ **Associateship (INSTITUTE OF TOWN PLANNERS, INDIA) - Pursuing**

❖ **NATIONAL CADET CORPS (NCC) 'C' CERTIFICATE HOLDER**

❖ **TEACHING EXPERIENCE**

28 May, 2016 -Till date,2023	Assistant Professor 1) Department of Civil Engineering University College of Engineering & Technology 2) University College of Architecture and Planning Acharya Nagarjuna University Nagarjuna Nagar, Guntur - 522 510. A.P, India
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❖ PROFESSIONAL EXPERIENCE

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|---------------------------------------|--|
| 15 September, 2015 - 27 May, 2016 | Q.A. & Q.C. Engineer, SARVANI Ready Mix Concrete Industry, Visakhapatnam- 530012, A.P. (Material testing, Mix designs, Quality control, technical support to the industry) |
| 14 January, 2015 – 10 September, 2015 | Junior Engineer (Site), The New Land Ventures, Visakhapatnam- 530018, A.P. (Construction of K.K.R Gowtham International School at Anandapuram, Visakhapatnam) |

❖ ADMINISTRATIVE EXPERIENCES

- Providing Civil Consultancy Services, Proof Checking /Vetting of Structural drawing s for **INDIAN RAILWAYS**
- Appointed as paper setter for University's **J.N.T.U-Kakinada, A.K.N.U-Rajahmundry**
- **MHRD-All India Survey on Higher Education**, Data Preparation, Committee Member, Acharya Nagarjuna University.
- **NIRF (National Ranking)** Application Preparation Member for Architecture College, Acharya Nagarjuna University.
- **NAAC** Work for University College of Architecture and Planning, Acharya Nagarjuna University.
- Anti-ragging committee member for University College of Architecture and Planning, Acharya Nagarjuna University for the academic year of 2017-2018.
- Appointed as observer by **J.N.T.U-K for APSLPRB (SI CIVIL)** written test 2016
- Appointed as observer by **CBSE for JEE- MAINS** written test 2018
- Appointed as observer by **CBSE for NEET** written test 2018

❖ AREAS OF RESEARCH / INTEREST

- Concrete technology
- Building materials (Advanced & Alternative)
- Repair and Rehabilitation of structures
- Earth quake resistant structures
- Disaster resistant structures

❖ SUBJECTS TAUGHT AT PG AND UG LEVEL

At PG Level

- Ground Improvement Techniques
- Theory of plates and shells

At UG Level

- Building Materials & Construction
- Transportation Engineering
- Surveying
- Advanced Construction & Materials
- Disaster Resistant Architecture
- Advanced Structural Systems

Labs Handled

- Surveying lab
- Civil Work Shop lab
- Transportation Engineering lab
- Strength of Materials lab

❖ RESEARCH PUBLICATIONS

JOURNALS

1. D.V.S.K Chaitanya., Naga Satish Kumar Ch. “A review on concrete’s rheological properties,” World Journal of Engineering, Emerald Publishing Limited [ISSN 1708-5284] DOI 10.1108/WJE-02-2022-0069, August 2022
2. D.V.S. K. Chaitanya, B. P. R. V. S. Priyatham, “Study on Response of Regular RC Space Frames Subjected to Equivalent Static Blast Load,” Hindawi, Advances in Materials Science and Engineering, Volume 2022, Article ID 1245126, 10 pages, doi.org/10.1155/2022/1245126
3. B.P.R.V.S. Priyatham, D.V.S. K. Chaitanya, “Effect of Lime and Brick Powder on the Engineering Properties of Black Cotton Soil,” Design Engineering, ISSN: 0011-9342, Year 2021, Issue: 9, Pages: 7227 – 7233
4. B.P.R.V.S. Priyatham, D.V.S. K. Chaitanya, “Effect of ferrochrome slag and fly ash on the mechanical properties of concrete,” Materials Science and Engineering, 1025 (2021) 012024 IOP Publishing doi:10.1088/1757-899X/1025/1/012024
5. D.V.S. K. Chaitanya, G.V. Rama Rao, “Nonlinear buckling analysis of hyperboloid concrete grid,” WAFFEN-UND KOSTUMKUNDE JOURNAL, Volume XI, Issue II, February/2020, ISSN NO: 0042-9945
6. D.V.S. K. Chaitanya, “Research on Concrete Box Girder (Single & Double Cells) Bridges using Finite Element Method,” International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8, Issue- 6S4, April 2019
7. D. Nagoor Vali, B. P. R. V. S. Priyatham, D.V. S. K. Chaitanya, “Effect of Self Curing on Mechanical Properties of Rigid Pavements – A Review,” International Journal for Scientific Research & Development| Vol. 7, Issue 07, 2019 | ISSN (online): 2321-0613

8. D.V.S. K. Chaitanya, "Comparative Study on Analysis and Design of Flat Slabs with Conventional Slabs," International Journal of Research in Advent Technology, Vol.7, No.7, July 2019, E-ISSN: 2321-9637
9. D.V.S. K Chaitanya, P. Neeharika, "Soil Stabilization using Geosynthetic Material (Steel Fibres)," International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue- 6S4, April 2019
10. P. Neeharika, D.V.S.K Chaitanya. "A study of strength properties for M60grade conventional concrete with Blended cement concretes," Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 10-Special Issue, 2018, pp. (222-227)
11. D.V.S.K Chaitanya, B. Anil Kumar, "Comparative Study on Performance Of integral, Semi Integral and Conventional Bridges," Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 10-Special Issue, 2018, pp. (213-221)
12. P. Neeharika, D.V.S.K Chaitanya "An Experimental Study on Strength Properties of Ggbs Blended Cement Concrete with OPC 53 & 53 S Cements," International journal of emerging technology and advanced engineering, V.7, Special Issue 2, December 2017, ISSN 2250–2459, pp.41-46. (UGC S.No.44256)
13. D.V.S. K Chaitanya, P. Neeharika "Impact on Environment by Landfill and A Case Study on Vishakhapatnam landfill," Global Journal of Engineering Science and Researches, V.4, No.10, October 2017, ISSN 2348 – 8034, pp.180-186. (UGC S.No.64316)
14. Metta Pavan Chandra, B.P.R.V.S. Priyatham, K.S. B Prasad, D.V.S.K. Chaitanya "Effect of Zycotherem on Mechanical Properties of Warm Mix Asphalt for Different Aggregate Gradations," International Journal of For Research in Applied Science and Engineering Technology, V.5, No.8, August 2017, ISSN: 2321-9653, pp.2010-2021. (UGC S.No.44382)
15. B.P.R.V.S. Priyatham, D.V.S.K. Chaitanya, Bimalendu Dash "Experimental Study on Partial Replacement of Cement with Marble Powder and Fine Aggregate with Quarry Dust," International Journal of Civil Engineering & Technology (Scopus Indexed Journal), V.8, No.6, June 2017, ISSN: 0976-6308, pp.774-781.
16. J. Kiran Kumar, P. Neeharika, D.V.S.K. Chaitanya "Development of Blended Cements (OPC 53 & 53S) Concretes in M40 Grade with Rice Husk Ash", International Journal of Innovative Technology, V.5, Issue.04, April-2017 ISSN 2321-8665, pp. 0660-0663
17. D.V.S. K Chaitanya, P. Neeharika, J. Kiran Kumar "An Experimental Study on Strength Properties of Ggbs and Metakaolin in Addition with Alkaline Solution of Sodium Hydroxide and Sodium Silicate," International Journal of Advanced Technology and Innovative Research, V.9, No.5, April 2017, ISSN: 2348-2370, pp.719-722.
18. J. Kiran Kumar, D.V.S.K. Chaitanya, P. Neeharika "Value Addition Process for a Site", International Journal of Scientific Engineering and Technology Research, V5, Issue.45, November-2016, ISSN 2319-8885, pp.9315-9318
19. D.V.S.K. Chaitanya, B. P. R. V. Priyatham, "Review on performance and sustainability of foam concrete" doi.org/10.1016/j.matpr.2023.04.080, Materials Today: Proceedings, Elsevier, 17 April 2023.

CONFERENCES

1. D.V.S.K Chaitanya “Review on Performance and Sustainability of Foam Concrete” in the Second International Conference on Construction Materials and Structures (ICCMS-2022) during 13-19 December, 2022, National Institute of Technology, Calicut -Kerala
2. D.V.S.K. Chaitanya of Acharya Nagarjuna University “Strength and Durability Studies on Concrete Using Steel Slag” in the Second International Conference on Construction Materials and Structures (ICCMS-2022) during 13-19 December, 2022. National Institute of Technology, Calicut -Kerala
3. B.P.R.V.S. Priyatham, D.V.S.R.K. Chaitanya “A Review on White Topping Roads” in the NATIONAL CONFERENCE ON EMERGING TRENDS IN CIVIL ENGINEERING (ETCE-2020), Organized by Department of Civil Engineering, Koneru Lakshmaiah Education Foundation
4. D.V.S.R.K. Chaitanya, P. Neeharika “Limit State Design of Pre-Engineered Building” in the NATIONAL CONFERENCE ON EMERGING TRENDS IN CIVIL ENGINEERING (ETCE-2020), Organized by Department of Civil Engineering, Koneru Lakshmaiah Education Foundation
5. P. Neeharika, D.V.S.K Chaitanya “An Experimental Study on Strength Properties of Ggbs Blended Cement Concrete with OPC 53 & 53 S Cements,” In: International Conference on Innovations in Structural Engineering, IC-ISE-2017, 29-31 December 2017, Hyderabad.
6. D.V.S. K Chaitanya, P. Neeharika “Impact on Environment by Landfill and A Case Study on Vishakhapatnam landfill,” In: National Conference on Sustainable Practices & Advances in Civil Engineering, SPACE-2017, 1 September 2017, Warangal.

❖ WORKSHOPS / SHORT TERM COURSES / SEMINARS ORGANISED & ATTENDED

- Building Tall and Resilient, National Convection of Civil Engineers-2023, on 17 & 18 July 2023
- Advanced stabilization techniques in construction activities, National Institute of Technical Teachers Training and Research, Chennai, Tamil Nadu, India during 30.01.2023 to 03.02.2023
- Organized UGC Sponsored National Seminar on Emerging Trends in Civil Engineering-2023 as Director at Department of civil engineering, Acharya Nagarjuna University.
- Organized UGC Sponsored National Seminar on Emerging Trends in Civil Engineering-2022 as Treasure at Department of civil engineering, Acharya Nagarjuna University.
- Organized UGC Sponsored National Seminar on Emerging Trends in Civil Engineering-2020 as Member at Department of civil engineering, Acharya Nagarjuna University.
- Organized ZONAL NASA CONVENTION-2019 as Treasure at University College of Architecture & Planning, Acharya Nagarjuna University.
- Organized UGC Sponsored National Conference on Sustainable Architecture-2019, as Treasure at University College of Architecture & Planning, Acharya Nagarjuna University
- Participated in the one-week short-term course on *Pre-Stressed Concrete Structures* at **NITTTR. Chennai**
- Participated in International Seminar on *Trends in Urban Planning, Sustainable*

Development and Environmental Management at SRM University. Chennai

- Participated in National Seminar on *Implication of Demonetization on India Economy at Acharya Nagarjuna University. Guntur*
- Attended One Day State Level Work Shop on “*Neeru- Pragathi*” Organized by APSCHE **at Acharya Nagarjuna University. Guntur**
- Participated in National workshop on *Advanced Construction Techniques and Practices* in Civil Engineering **at GMRIT.**
- Participated in National Seminar on *Corporate Social Responsibility in India: Strategies for Inclusive Development at Andhra University*
- Participated in National Seminar on *Challenges and Opportunities for Sustainable Development of Mineral and Fossil Energy Resources at Andhra University*
- Participated in work shop on *Costal Erosion Issues and Remedies: Andhra Pradesh Coast at Andhra University.*
- Attended Faculty Development Program on *Recent Advances in Concrete Technology (ReACT) at NIT. Warangal*
- Attended Faculty Development Program on *Finite Element Methods at KHIT. Guntur*
- Participated in National workshop on *Emerging Trends in Structural Engineering (ETSE -16) at K.L University*
- Participated in International Conference & Exhibition on *Implementation Challenges In Precast Construction for Buildings & Infrastructure projects (ICICPC – 13) & Concrete Build Expo – 13 at G.V.P.C.O.E, VISAKHAPATNAM*
- Presented a paper on *Ready Mix Concrete* in EKATHRA-13 **at G.V.P.C.O.E, VISAKHAPATNAM**

❖ MEMBERSHIP OF PROFESSIONAL BODIES

- Indian Concrete Institute (ICI)
- Indian Society for Technical Education (ISTE)
- Institute of Indian Interior Designers (IIID)
- Indian Geotechnical Society (IGS)
- Solar Energy Society of India (SESI)
- Association of Consulting Civil Engineers (ACCE)

❖ DECLARATION

I hereby declare that the above information is true and correct to the best of my knowledge and belief.

Date:

D.V.S. K CHAITANYA

Place:

Signature of the Candidate

