Name: Dr. S. V. Narsi Reddy
Email: svnreddy@mjcollege.ac.in
Designation: Head, CED (I/C)
Area of Expertise: Structural Engineering & Construction Management



Dr. S. V. Narsi Reddy

Educational Qualifications:

Degree	University	Specialization
PhD.	Shri Krishna University	Structural Engineering
M.E.	Anna University	Structural Engineering
B.Tech.	Acharya Nagarjuna University	Civil Engineering

Work Experience:

Industry Experience	CAD DESIGNER at 'SEW Infrastructures Limited', Hyderabad 7 Months	
Teaching Experience	**Overseas Experience**	**Local Experience**
	Arba Minch Govt. University, Ethiopia.	1. CIET, Guntur – 2 years 2. MREC (Autonomous), Hyd. – 1 Year 3. MJCET, Hyd. – 5+ Years (to till Date)
	7 Years	8 Years
	TOTAL = 15 Years 7 Months	

Research Interests:

- Fibre reinforced materials Behavior in concrete.
- "Artificial Neural Network" based prediction of mechanical properties of concrete.
- Behavior of Copper Slag Admixed Concrete in Acidic Environment".
- Microstructure and performance of sustainable geopolymer concrete.
- Hybrid retrofitting system of structures.

Funding Projects:

Project Sanctioned: **"Application of AI in Structural Health Monitoring"**

- Funding Agency: Research and Development Cell, Muffakham Jah College of Engineering and Technology (MJCET), Hyderabad.
- Role: Project Investigator.
- Total Project Cost: ₹1,02,300.
- Initial Funding Sanctioned: ₹51,150 for Phase I.
- Sanction Order Date: 15 April 2025.

List of Publications:

1. S.V.N Reddy Microstructure and performance of sustainable geopolymer concrete incorporating recycled materials activated by precursors Journal of Building Pathology and Rehabilitation, 2026.
2. Venkata Narsi Reddy S. Enhancement of slab-column joint performance through a hybrid retrofit system along with external connectors International Journal on Interactive Design and Manufacturing 2026.
3. Venkata Narsi Reddy Sagili Sustainable polymer composites reinforced with natural fibers: processing, properties, and applications. Journal of polymer & composites 2026.
4. Venkata Narsi Reddy Sagili "A Study on Hybrid Fibrous Concrete: Properties and Structural" ANVESAK Sardar Patel Institute of Economics and Social Research ISSN 0378-4568, Vol. 53, No.1(II) January – June: 2023.
5. Venkata Narsi Reddy Sagili, "A study of structural behavior with reference to hybrid Reinforced concrete elements" Airo Journals ISSN 2320-3714, Volume 1, Issue 3 March 2023.
6. Venkata Narsi reddy Sagili, Habtamu Melesse Dicha "Structural Frame Work, Challenges and Vision of the Future Towards Structural Engineering" Design Engineering (ISSN: 0011-9342) issue6 page5414-5426.
7. V.Narsi reddy Sagili, Binaya Patnaik, Jifara Chimdi Bikila, H. Melesse Dicha, V. Kannekanti "Strength and Durability Assessment of Concrete with Ethiopian Rice Husk ASH as Partial Replacement of Cement" Design Engineering (ISSN:0011-9342) issue4 page 446-457.
8. International Journal of Current Engineering and Technology E- ISSN2277–4106, P-ISSN2347–5161Vol.10, No.5(Sept/Oct 2020) entitled Behavior of Copper Slag Admixed Concrete in Acidic Environment".
9. International journal for science & advance research in technology (IJSART) (ISSN: 2395:1052) volume4, issue3 in March 2018, entitled "Prediction of Compressive Strength of High-Performance Concrete and it's Durability".
10. International Journal of Engineering and Techniques (IJET) (ISSN: 2395-1303) volume 4, issue 2-2018, entitled "Flexural Strength of Self- Compacting Concrete".
11. International Journal of Engineering Research and Technology (IJERT) (ISSN: 2278-0181) Issue 06, June – 2014, entitled "Seismic Vulnerability of Multistoried Buildings with Ground Soft and with Infills".

12. International Journal of modern Engineering Research (IJMER) (ISSN: 2249–6645) Issue 06, June–2014, entitled "Earthquake Resistance Design-Impact on Cost of Reinforced Concrete Buildings".
13. International Journal of modern Engineering Research (IJMER). (ISSN: 2249 –6645) Issue 06, June 2014, entitled "Earthquake Resistant Design of Low-Rise Open Ground Story Framed Building".

Patents:

Copyright Registered: "AI-Based Image Recognition Device for Autonomous Vehicle"

- Registration Authority: Copyright Office, Government of India.
- Application No.: LD-33611/2025-CO.
- Date of Filing: 21 August 2025.
- Copyright Registration No.: LD-2025078418.
- Role: Co-Author and Co-Owner.
- Language: English.

National Level Seminars Attended:

- National Seminar on Empowering India's Research Future, organized by Research Heights Foundation at ESCI, Hyderabad (July 9–10, 2025). Focus: Resilient research ecosystems, NEP 2020, SDG 2030, and Viksit Bharat @2047.

Training Programmes Attended:

- Two-Day Certified Online Training Programme on "Advanced Digital Tools for Structural Steel: Design, Detailing, BIM and AI," organized by Institute for Steel Development and Growth ***(INSDAG)*** (February 6–07, 2026). Focus: 6 hours of technical training covering ETABS, IDEA Statica, and SDS2.

Conferences Attended:

1. Participated in the National Conference on "Emerging Trends in Construction Industry (NATCON-2011)", organized by the Department of Civil Engineering, Excel Engineering College, College of Engineering for Women, Komarapalayam, Tamil Nadu, in association with the Indian Concrete Institute (ICI) Student Chapter, on 3–4 March 2011. Presented a paper titled "Prediction of Compressive Strength of High Performance Concrete and Its Durability by Artificial Neural Networks."
2. Participated in the International Conference on "Advances in Materials and Techniques in Civil Engineering (ICAMAT-2010)", organized by the Department of Civil

Engineering, V.L.B. Janakiammal College of Engineering and Technology, Coimbatore, Tamil Nadu, during 7–9 January 2010.

3. "Prediction of Compressive Strength of High Performance Concrete by Artificial Neural Network," National Conference on IPCWM, Sri Ramakrishna Institute of Technology (April 2011).
4. Participation in the *International Conference on Advances in Materials and Techniques in Civil Engineering (ICAMAT-2010)*. Department of Civil Engineering, V.L.B. Janakiammal College of Engineering and Technology, Coimbatore, India. January 7–9, 2010.

FDP's Attended:

1. Successfully completed a One-Week Online Faculty Development Programme (FDP) on "*Data Analytics, Machine Learning, and Emerging AI Technologies for Civil Engineering*", organized by the Department of Civil Engineering, KG Reddy College of Engineering and Technology (Autonomous), Telangana, from 23–28 February 2026.
2. Participated in a One-Week National-Level Faculty Development Programme (FDP) on "*Applications of Advanced Techniques for Repair and Rehabilitation of RCC and Steel Structures*", organized by the Department of Civil Engineering, Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad, in association with the Indian Concrete Institute (ICI), Hyderabad Centre, from 22–26 April 2024.

Membership with Professional Bodies:

1. *ASSOCIATION OF CONSULTING CIVIL ENGINEERS (I)*, Hyderabad Centre – Lifetime membership.

Softwares & Other computing Skills:

a) TEKLA
b) MATLAB (ANNs)
c) AutoCAD
d) STAAD Pro
e) MSEXCEL
f) WORD