

Name: G AVS Sandeep Kumar
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Department: Civil Engineering
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Experience (in years): 6.5 years, Teaching: 6.5 Years, Research: 1.5 Years



1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D. (Pursuing) @ NIT Tiruchirappalli	-	Civil Engineering
2.	M.Tech. (NIT Tiruchirappalli)	2014	Structural Engineering
3.	B.Tech. (RVR & JC CE, Guntur)	2012	Civil Engineering

2. Teaching and Learning:

2.1. Teaching Interests:

UG:

- Strength of Materials
- Structural Analysis
- Concrete Technology
- Prestressed Concrete
- Computer Aided Drafting of Buildings
- Concrete Lab
- Computer Aided Design

PG:

- Design of Prestressed Concrete Structures
- Advanced Concrete Technology Lab

2.2. Novel Teaching & Learning Techniques adopted:

- Story Board
- WIT & WIL
- Lab Protocol

2.3. Involvement in curriculum updating / Design:

UG:

- Structural Analysis
- Concrete Lab

PG:

- Prestressed Concrete Structures
- Advanced Concrete Technology Lab
- Stability of Structures

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

3.2. CCA/ECA Organized:

- A Webinar on “Careers in Civil Engineering” by Er. Girish S – Structural Design Engineer, L.A. California, USA. on 11th June 2020
- A Webinar on “Next Generation Concrete” by Er. N Srinivasa Rao – Technical Head, UltraTech Telangana Region. on 15th May 2020
- 2-Day Workshop on “Structural Design” in association with MakeIntern Group in Feb. 2020
- 2-Day Workshop on “IoT in Civil Engineering” Sep. 2019
- A visit to Green Building on 24th Sep, 18.
- Awareness regarding mass transportation on 25th Sep, 2018.
- An Expo of Green Products on 26th Sep, 2018.
- Awareness on Green School to VRS & VJ Residential School Children on 28th Sep, 2018
- Guest Lecture on “Awareness on Green Building” on 29th Sep, 2018.
- Design Competition of D block Courtyard, on 10th August, 2018
- Awareness on Consumption of Water, on 22nd March, 2018
- 2-Day Workshop on “Building Information Modeling” Feb 2017
- Workshop on Structural Rehabilitation on 29th Jan. 2016
- Conducted “MONOLITH” a Technical Fest in association with National Institute of Technology, Tiruchirappali, from Jan 27th – 29th Jan, 2016

3.3. CCA/ECA participated:

3.4. Counseling and Mentoring Activity:

- Mentor for 10 students from II B.Tech, III B.Tech & IV B.Tech.(Civil Engineering).

3.5. Committees involved in:

Department level:

- Faculty Coordinator for Student Chapter (CEA) of CE,
- Faculty-In-Charge for Concrete Lab
- Member – CED Budget
- Open House

Institute Level:

- Associate Editor of VIGNANA VARTHA.
- Member – Academic Audit Cell, VNR VJIET

4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted:

- A Webinar on “**Next Generation Concrete**” by N. Srinivasa Rao, Head – Technical Services, UltraTech – Telangana Region
- A Webinar on “Careers in Civil Engineering” by Er. Girish S – Structural Design Engineer, LA. California, USA. on 11th June 2020

4.2 Attended:

- Webinar Short Course on “Concrete Technology – Past, Present & Future” Organized by Department of Civil Engineering, National Institute of Technology, Tiruchirappalli, Tamilnadu, India.(June 2020)
- Online Faculty Development Program on “Advances in Building Designs: Pre Engineered Design Methodology and Limit State Design Applications” Organized by Department of Civil Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, Andhra Pradesh, India. (June 2020)
- Faculty Training Program on “Learning by Doing Python” Organized by Competency Development Centre, VNR VignanaJyothi Institute of Engineering and Technology, Hyderabad, India (Dec. 2019)
- One Week National workshop on “Traffic and Transportation Planning for Smart Cities”, VNRVJIET, Hyderabad. (Sep. 2018)
- International Conference on “Smart Sustainable Cities”, V R Siddartha Engineering College, Vijayawada. (Dec. 2017)
- Workshop on “Seismic Design and Detailing of RC Buildings” JNTUH (Dec. 2017)
- National workshop on “Urban Traffic & Transportation Planning Perspective for Smart cities”, VNRVJIET, Hyderabad. (Jan. 2016)
- National Conference on “Disaster Preparedness, Mitigation & Reconstruction Sustainable Society”, VNRVJIET, Hyderabad (Feb. 2016)
- Two week Faculty development programme on “Introduction to Structural Engineering”, VNRVJIET, Hyderabad(Organized by IIT, Kharagpur).(Nov. 2015 to Jan. 2016)

- Two week Faculty development programme on “Computer Oriented Applications in Civil Engineering”, VNRVJIET, Hyderabad.(May 2016)
- National Conference on “Modern Concretes-Driving Profit and sustainability (MCDPAS-2016)”, VNRVJIET, Hyderabad. (Aug. 2016)
- International Workshop “ 7th IEEE International Conference on Technology for Education(T4E-2015)”, during 10th-12th December 2015. at National Institute of Technology-Warangal, Telangana, India.
- National workshop on “More crop per drop”, VNRVJIET, Hyderabad.
- One Week National workshop on “Participatory Irrigation Management”, VNRVJIET, Hyderabad.(May 2015)
- National workshop on “Engineering Graphics Using AUTOCADD”, University College of Engineering, Osmania University, Hyderabad.(Oct., 2015)
- One week short term course on FORENSIC ENGINEERING conducted at NIT Trichy.(Dec. 2012)

5. Academic Contribution and Research & Consultancy:

5.1. Projects Guided :

a) UG :6

b) PG :4 (2 in progress)

5.2. Research Interests : Special Concretes, Finite Element Analysis

5.3. Papers published in reviewed journals :

S.No	Title of the Paper	Name of the Journal	National/ International	Remarks
1	Study on the fresh and hardened properties of foam concrete incorporating fly ash	Materials Today : Proceedings	International	ISSN: 2214- 7853
2	Experimental Investigation on Properties of Fiber Reinforced No Aggregate Concrete	Materials Today : Proceedings	International	ISSN: 2214- 7853
3	Behavior of Reinforced Concrete Beams Bonded With Side Bonded FRP	Materials Today : Proceedings	International	ISSN: 2214- 7853
4	Effect of Steel Fiber Aspect Ratio on the Properties of High Strength Self Compacting	International Journal of Engineering and	International	Volume- 9 Issue-2,

	Concrete	Advanced Technology (IJEAT)		December 2019, ISSN: 2249 – 8958
5	Performance Evaluation of Reinforced Concrete Beams Bonded with Glass and carbon Fibre reinforced polymers	International Journal of Engineering and Advanced Technology (IJEAT)	International	Volume-9 Issue-3, February, 2020, ISSN: 2249 – 8958
6	Mechanical and Durability Properties of No Aggregate Concrete using Silica Fume	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	International	ISSN: 2278-3075, Volume-9 Issue-3, January 2020

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Disaster Resilient Construction – National Disaster Guidelines	Disaster Preparedness, Mitigation & Reconstruction Sustainable Society	National	11-12 Feb, 2016
2	Study on performance of concrete with replacement of cement with silica fume & Coarse aggregate with coconut shell	Modern Concretes- Driving Profit and sustainability	National	26 th -27 th , August 2016
3	Mechanical properties of concrete replacement of cement with silica fume & fine aggregate with rubber	Modern Concretes- Driving Profit and sustainability	National	26 th -27 th , August 2016
4	Investigation of orientation of Piles in Pile Caps	2 nd International Conference on Smart Sustainable Cities	International	28 th – 29 th , Dec 2017
5	Comparison of the stiffness of RC beams with GFRP and CFRP sheets	Construction Materials and Smart Structures for Sustainable Development	International	29 th to 31 st Jan. 2020