



Name: Dr. V. Sowjanya Vani

Employee ID: A5CIV00T44

Designation: Associate Professor

Department: CIVIL

Date of Birth: 14-03-1981

Father Name: Late Raghunadha Rao

Mother Name: Sujatha

Reservation Category if Any: BC-D

Address: Aludu (Village & Post), Saravakota (Mandal), SRIKAKULAM (Dist.) – 532426

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Date of Joining in the Institution: 13-07-2019

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph. D(Structures)	AU, Vishakhapatnam	-	Feb 2013
M. Tech (Structures)	JNTUH, Ananthapur	FIRST Class	OCT 2005
B. Tech	ANU, Nagarjuna Nagar	SECOND Class	April 2003

Total Years of Experience (Teaching/Industry): 23 Years

Period		Organization/Institution/Industry	Designation
July 19	Till Date	AITAM, Tekkali	Associate Professor

Jan 09	July 19	GITAM, Visakhapatnam	Assistant Professor
July 07	Dec 09	CEC, Visakhapatnam	Assistant Professor

Areas of Interest:

1. Durability of Concrete Structures
2. Software Applications in Civil Engineering

Ph.D Guiding: Nil

Academic Projects Guided:

- i) Masters Projects : 21
- ii) Bachelor Projects : 06

Sponsored Projects:

S. No.	Sponsoring Agency	Title of the Project	Grant
1	SERB	Effect of heat and sustained axial compression on Stress- Strain behavior of concrete	35,83,000/-

Funding from external agencies: Nil

Honors and awards received: Nil

Memberships of Professional Societies:

ISTE (LM 73337), ICI (LM 9077), IE (I) – (1570050), IGS (LM 3067), IIBE (LM 2436)

Other Responsibilities:

1. BOS Member

Details of Publications:

International Journals:

1. N. Sunil, V. Sowjanya Vani , Manjunatha M , Dangeti Mukund , G Srinivasa Rao," Effect of exposure duration on Sustainability of Ternary Blended Recycled Aggregate Self Compacting Concrete Exposed to Real Fire","International Journal of Advanced Science and Technology", Vol. 29, No. 5, (2020), pp. 12095-12105.

2. V. S. Vani, "Study on residual compressive strength and modulus of elasticity of standard concrete in stressed state exposed to elevated temperatures", "International Journal of Technical Innovation in Modern Engineering & Science(IJTIMES)" an International Journal, Vol 5, Issue 6, June 2019, pp.411-417.
3. V. Bhargavi, N. Giri Babu and V. Sowjanya Vani, "Size Effect on Fire affected Columns and Beams A Literature Review", "International Journal of Advanced Scientific Research and Management (IJASRM)" an International Journal, Volume 4, Issue 4 , April 2019 , pp. 359-363.
4. P. Gouthami Patnaik and V. Sowjanya Vani, "AN OVERVIEW OF MICROSTRUCTURAL RELATION TO STRENGTH FOR BLENDED SPECIAL CONCRETE", "International Journal of Research and Analytical Reviews (IJRAR)" an International Journal, Vol 6, Issue 1, February 2019, pp.792-797.
5. S. Siva Rama Krishna, V. Sowjanya Vani, Shaik Khader Vali Baba , "Studies on mechanical properties of ternary blended self-compacting concrete using different percentages of recycled aggregate", "International Journal of Civil Engineering and Technology (IJCIET)" an International Journal, Vol 9, Issue 11, November 2018, pp. 1672-1680.
6. P.V.L. Narasinga Rao, S. Sai Nithin, O. Santosh Ram, V.S. Vani , "COST ANALYSIS OF TWO-WAY SLAB AND POST TENSIONED SLAB", "International Research Journal of Engineering and Technology (IRJET)" an International Journal, Vol 5, Issue 3, March 2018, pp. 2409-2413.
7. P.V.L. Narasinga Rao, S. Sai Nithin, Sk. Javed Ali, V.S. Vani, "COMPARATIVE STUDY ON DESIGN OF SLABS", "International Journal of Advances in Scientific Research and engineering (IJASRE)" an International Journal, Vol 4, Issue 3, March 2018, pp. 155-162.
8. Jagadeesh chenchala, V. Sowjanya Vani, "Comparative Study on Effect of Cooling Methods on Compressive Strength of Standard And High Strength Concrete Subjected To Real Fire ", "American Journal of Engineering Research (AJER)", an International Journal, Vol 6, Issue 12, December 2017, pp. 167-172.
9. V. Vennela, T.Santhosh Kumar, V.S.Vani, Balaji, K.V.G.D., "Comparative Analysis Of Codal Provisions Of Is: 1893- 1984 And Is: 1893 – 2014 (Part – 2) ", "International Journal of Engineering Science Invention (IJESI)", an International Journal, Vol 6, Issue 10, October 2017, pp. 14-18.
10. J.S.S.K. Vasa, K. Anil Kumar, Dr. V. Sowjanya Vani, "Seismic Performance of High Rise Building with Slits in Shear Wall Using E-TABS", "International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)", an International Journal, Vol 6, Issue 8, August 2017, pp. 16557-16566. (e-ISSN:2319-8753 p-ISSN : 2347-6710) (DOI:10.15680/IJIRSET.2017.0608251).
11. P. Bhanu Prakash Reddy, V.Sowjanya Vani, N.Sunil, "Comparative Study on performance of concrete with Natural sand and Robo sand", "International Journal of Engineering and Technology (IJET)", an International Journal, Vol 9, No 2, Apr-May 2017, pp. 1248-1254.
12. K. Sandeep Kumar , Dr.V. Sowjanya Vani and G.S.M.R. Bharath, "A Study On Impact Of Cooling Regimes On Residual Strength Of Self-Compacting Concrete At Elevated

Temperatures”, “IJSTE - International Journal of Science Technology & Engineering”, an International Journal, Vol.3, Issue No. 7, January 2017, pp. 148 - 154.

13. B. Murali Krishna, Dr V. Sowjanya Vani, “Blast Resistant analysis of 2D Framed Structure” “International Journal of Research in Engineering and Technology (IJRET)”, Vol.3, Issue 1, January 2014, pp. 1 - 7.
14. Vani V. S. and Srinivasa Rao K., “Effect of Elevated Temperatures on Standard and High Strength Concrete”, “International Journal of Computer Applications in Engineering, Technology and Sciences-IJCAETS” an International Journal, Vol.3, Issue 1, October 2010 - March 2011, pp. 270 - 277.

National Journals:

1. R Anudeep, K V Ramesh, V S Vani, “Study on Mechanical properties of concrete with Various Slags as Replacement to Fine aggregate”, “Master Builder” August 2015, pp. 86-90.
2. V.S. Vani, K. Srinivasa Rao, “Effect of Temperature on Stress-Strain Curves of M30 Grade Concrete”, “ICFAI Journal of Structural Engineering”, a National Journal, Vol. V, No. 1, January 2012, pp. 54 - 68.
3. Vani V. S., Raju P.S.N., Srinivasa Rao K., “Comparative Study on performance of Standard and High strength Concrete Exposed to Elevated Temperatures”, “Civil Engineering and Construction Review”, a National Journal, Vol. 24, No. 1, January 2011, pp. 94 - 99.

International Conferences:

1. S.Siva Rama Krishna, VenuMalagavelli, V.S.Vani," Effect of heat on mechanical properties of ternary blended recycled aggregate self-compacted concrete", "Materials Today", November 2020, (<https://doi.org/10.1016/j.matpr.2020.10.244>).
2. V. S. Vani, “Residual Stress-Strain curve and modulus of elasticity concrete subjected to uniaxial load and temperature concurrently”, International Conference on “ Innovative Trends in Civil Engineering for Sustainable Development (ITCSD - 2019)” organized at Seminar Hall by the Department of Civil Engineering, National Institute of Technology, Warangal, 13th -15th September, 2019, proceedings pp. 109-110.
3. M. Sulakshna Anu, V. S. Vani, Resapu Rajeswara Reddy, Ms. M. Neeraja, “Effect of substrata length variations on seismic performance of multi-storey structure with raft and pile foundation”, “USMCA 2018 17th international symposium on new technologies for urban safety of mega cities in Asia”, 12-14 December 2018, IIIT, Hyderabad (Proceeding Pending).
4. V. S. Vani, K. Srinivasa Rao, “Heat Affected High Strength Concrete”, “ICSEE-2011- International Conference on Civil, Structural and Environmental Engineering”, Department of Civil Engineering, K.S.R. College of Engineering, K .S. R. Kalvinagar, Tiruchengode

(Tk), Namakkal Dt., Tamil Nadu, India, 18th - 19th February, 2011, proceedings pp. 138 - 143.

5. V. S. Vani, K. Srinivasa Rao, “Residual Stress-Strain Curves for M30 Grade of Concrete Exposed to Elevated Temperatures”, “ICIWSE-2010- International Conference on Innovative World of Structural Engineering” Department of Applied Mechanics, Aurangabad, Maharashtra, India, 25th - 27th December, 2010, proceedings pp. 533-539. (ISBN 81-7088-089-1).
6. Vani V. S., Krishna M.G., Bhavana V., Rekha K., received appreciation certificate for the paper entitled “Design Aids to Deck slab Bridges using Software Applications for Limit State and Working Stress Methods”, at International Conference on “Design & Construction of Urban Transport Structures”, organized by National Bridge Research and Development Centre, Hyderabad and Indian Institute of Bridge Engineers, 23rd-25th April, 2010, proceedings pp. 83-96.

National Conference:

- V. S. Vani, “Performance of M25 Binary Blended Concrete in Stressed Condition”, National Conference on “Advances in Sustainable construction Materials” organized at Seminar Hall by the Department of Civil Engineering, National Institute of Technology, Warangal, 15th -16th March, 2019, proceedings pp. 29.
- V. S. Vani and K. Srinivasa Rao, “Effect of Age on Performance of Standard and High Strength Concrete Using Fly Ash Based PPC at Elevated Temperatures”, “AP Science Congress”, held at Andhra University, Waltair, 7th-9th November, 2017.
- S. Siva Rama Krishna,V. Sowjanya Vani, “Relation Between Residual Strengths Of Ternary Blended Recycled Aggregate Self-Compacting Concrete at Elevated Temperatures”, “Civil Engineering for sustainability” organized at Departmental Seminar Hall by the Department of Civil Engineering, College of Engineering, Andhra University, Waltair, 15th September, 2016, proceedings pp. 4-17.
- V. Sowjanya Vani, “Comparative Study On Stress-Strain Curves Of Water Quenched Standard And High Strength Concrete After Exposed To High Temperatures/ Elevated Temperatures”, “Civil Engineering for sustainability” organized at Departmental Seminar Hall by the Department of Civil Engineering, College of Engineering, Andhra University, Waltair, 15th September, 2016, proceedings pp. 18-32.
- P. Bhanu Prakash Reddy ,V. Sowjanya Vani, N. Sunil, “Comparative Study On Strength Of Acid Affected Robo Sand Concrete And Conventional Concrete”, “Civil Engineering for sustainability” organized at Departmental Seminar Hall by the Department of Civil Engineering, College of Engineering, Andhra University, Waltair, 15th September, 2016, proceedings pp. 64-71.
- K. Sandeep Kumar ,V. Sowjanya Vani, G.S.M.R. Bharath, “Effect of Cooling Regimes On Self-Compacting Concrete At Elevated Temperatures”, “Civil Engineering for sustainability” organized at Departmental Seminar Hall by the Department of Civil Engineering, College of Engineering, Andhra University, Waltair, 15th September, 2016, proceedings pp. 87-97.

- Faizan Ahmed ,V. Sowjanya Vani, Nagendra Prasad C, “Comparative Study On Xrd And Sem Analysis Of Hydrochloric Acid Exposed Conventional Concrete And Robo Sand Concrete”, “Civil Engineering for sustainability” organized at Departmental Seminar Hall by the Department of Civil Engineering, College of Engineering, Andhra University, Waltair, 15th September, 2016, proceedings pp. 180-192.
- Faizan Ahmad, Bhanu,V. S. Vani “Compressive strength of robo sand replaced concrete” “1st Annual Conference on Innovations and Developments In Civil Engineering-(ACIDIC-2014)” organized by NIT Karnataka, Surathkal during May 19th – 20th, 2014.
- Rekha K., Vani V.S., Potha Raju M., “Behavior of Recycled Aggregate Concrete at Elevated Temperatures – A State of Art of Literature”, “National Conference on Advances in Materials and Structures 2010 -AMAS-2011”. Department of Civil Engineering, Pondicherry College Engineering, Pondicherry, 3rd - 4th February, 2011, proceedings pp. 324-330.
- Vani V.S., K. Srinivasa Rao, “Variation of compressive strength of Standard Concrete with age Exposed to Elevated Temperatures”, “360° National conference on 21st Century Emerging Trends in Civil Engineering Globe (TCETCG)”, at Department of Civil Engineering, K.S.R.M. College of Engineering, Kadapa, 3rd - 4th September, 2010, proceedings pp. 1-12.
- Vani V.S., K. Srinivasa Rao, “Effect of Silica Fume on Development of High Strength Concrete of M65 Grade”, “National Conference on Recent Trends in Civil Engineering-(NCRTCE’10)”, at Department of Civil Engineering, R.V.S. College of Engineering and Technology, Dindigul, Tamil Nadu, 12th March,2010, proceedings pp. 246-256.
- 4. Vani V.S., Raju P.S.N, “Comprehensive Study on Different Grades of Concrete Exposed to Elevated temperatures”, Students Symposium on “Research in Civil Engineering – (SSRCE09)”, at Indian Institute of Technology Madras, 5th-6th March, 2009.
- 5. Achieved 1st place for the “State of Art Literature on Behaviour of Concrete at Elevated Temperatures”- A Paper Submitted for “Research Contest” on the eve of A.U. Foundation Day, organized by the Department of Civil Engineering, College of Engineering, Andhra University, Visakhapatnam- 530 003, April 2007.

Details of Conferences / Workshops / Refresher Courses Organized:

S. No	Dates	Name of the Programme	Sponsoring Agency
1	3 rd March, 2014	Expert lecture on “URBAN INFRASTRUCTURE”	TEQIP Phase-II
2	19 th and 20 th September, 2018.	workshop on “Skill Development Program on AUTODESK REVIT”	GIT,GU
3	25 th January, 2019.	Guest lecture on “Structural Systems”	GVP

Details of Conferences / Workshops / Refresher Courses Attended:

S. No.	Dates	Name of the Programme	Host Institution
1	27 th – 31 st July, 2020	Five day online Faculty Development Program on “Recent trends and innovations in civil engineering”	Dr. Lankapalli Bullayya College of Engineering, Visakhapatnam
2	8 th – 12 th July, 2019	Faculty Development Program on “Advanced Vibration Analysis and its Application in Industry”	Andhra University College of Engineering Autonomous, Waltair
3	15 th -16 th March, 2019	National Conference on “Advances in Sustainable construction Materials”	National Institute of Technology, Warangal
4	20 th February, 2019	One day Workshop on “Concrete Mix Proportion”	GIT, GITAM University (Deemed to be), Visakhapatnam
5	1 st – 2 nd August 2018	Two days training program on “Autodesk Revit Architecture”	School of Engineering and Technology, Gayatri vidya Parishad college for degree and PG courses in collaboration with ICT Academy, Visakhapatnam
6	05 th – 07 th February 2018	Three day Residential Program on “Disaster Safe Building Codes and Designs”	Andhra Pradesh Human Resource Development Institute (APHRDI), Visakhapatnam
7	09 th – 13 th October 2017	Five days training program on “Analysis and Design of Structures in Fire (ADSF-2017)”	NIT Jamshedpur in collaboration with Government of India under Global Initiative for Academic Networks (GIAN)
8	5 th – 10 th June 2017	One Week FDP on “Fluid Mechanics”	GITAM University, Visakhapatnam
9	27 th March 2017	Workshop on “Research Facilities For Studies On Soil Liquefaction, Fire Affected Structures And Coast Protection Structures”	College of Engineering, Andhra University, Waltair
10	15 th September, 2016	Conference on “Civil Engineering for sustainability”	College of Engineering, Andhra University, Waltair
11	1 st -2 nd July, 2016	Two day Workshop on “Reliability Based Analysis and Design of structures”	GIT, GITAM University, Visakhapatnam
12			
13	6 th – 11 th June 2016	One Week FDP on “Mechanics of Materials”	GITAM University, Hyderabad
14	28 th March, 2016	Seminar on “Fire Affected Concrete Structures”	College of Engineering, Andhra University,

			Waltair
15	28th March, 2016	One Day Training Program on "21st CENTURY PROFESSIONAL SKILLS-2016"	AU
16	05-06 th March, 2016	Seminar on "Geotechnical Challenges in Developing Coastal Cities"	College of Engineering, Andhra University, Waltair
17	4 th January 2016	One day International Workshop on "Quality Research Writing and Research Impact Measures"	GIT, GITAM University, Visakhapatnam
18	02 nd October, 2015	Seminar on "Geotechnical Engineering Significance in Urban Infrastructure Projects"	College of Engineering, Andhra University, Waltair
19	13 th -17 th July, 2015	Short term course on "Earthquake Resistant Design of Buildings"	IIT Hyderabad
20	07-08 th April, 2015	A Two day workshop "Recent Advances in Structural Engineering (RASE-2015)"	CSIR-SERC
21	30 th March, 2015	Seminar on "Mitigation Effects on Infrastructure Projects"	College of Engineering, Andhra University, Waltair
22	17 th September, 2014	"DELNET Workshop"	GITAM University, Visakhapatnam
23	30 th - 31 st January 2014.	A Two day Workshop on "Challenges in Structural Design, Dynamics & Testing: Indian Perspective in the Global Scenario (CSDDT – 2014)	College of Engineering, Andhra University, Waltair
24	15 th -19 th July, 2013	Lecture series on "The Philosophy and psychology of the Bhagavad Gita"	GITAM University, Visakhapatnam
25	26 th -30 th March, 2012	Five days Short-Term Training Program on "Faculty Empowerment workshop - Mission 10X- High Impact Teaching Skills"	WIPRO & GITAM University
26	5 th -6 th March, 2009	Students Symposium on "Research in Civil Engineering – (SSRCE09)"	Indian Institute of Technology Madras
27	1 st -2 nd October, 2008	National Seminar on "Problematic Soils - Geo Technical Solutions -PSGS"	College of Engineering, Andhra University, Waltair
28	20 th - 25 th September, 2010	One week Staff Development Programme on "Advanced Applications of Post-Tensioned Concrete in Buildings and Bridges (AAPTCBB)"	Gayatri Vidya Parshid College of Engineering, Visakhapatnam
29	23 rd -25 th April, 2010	International Conference on "Design & Construction of Urban Transport Structures"	National Bridge Research and Development Centre, Hyderabad and Indian Institute of Bridge Engineers, Mumbai
30	22 nd -26 th March, 2010	Five days Short-Term Training Program on "Fracture Mechanics of Concrete: Research and Applications"	Indian Institute of Technology Madras
31	7 th – 8 th	Two days Orientation Programme on "Teaching	GITAM University,

	February, 2010	Methodology”	Visakhapatnam
32	27 th -28 th August, 2008	Two days Workshop on “IS: 800 – 2007”	INSDAG & BIS, New Delhi
33	26 th March, 2008	An International Conference on “Sustainable Environmental Sanitation and Water Resources During the new millennium (SESNM '08)”	GITAM University, Visakhapatnam, India & Bharathi Theertha, Naperville, IL, USA & INDIA Development Coalition of America, Oakbrook, IL, USA
34	18 th – 23 rd February, 2008	One week training program on “Total Station Surveying & GPS”	Andhra University College of Engineering, Waltair
35	11 th February, 2008	An International WorkShop on “Concrete Fibre Composites Special Concretes & Structures- IWCSS”	JNTU College of Engineering, Kakinada

Certifications:Nil

Other Achievements:

1. Appointed by JNTUA as Subject Expert for Question paper setter on 16th September 2017.
2. Registered by JNTUK as Expert Question paper setter on 2nd June 2016.
3. Registered by JNTUH as Expert Question paper setter on 2nd June 2015.
4. Appreciation certificate for contribution as a member, Local Organizing Committee of “**DELNET Workshop**” held at GITAM University, Visakhapatnam on 17th September, 2014.
5. “**Best Teacher**” Award awarded by Ultra-Tech Cements Ltd., on 23-01-2013, 2011.
6. Certificate of Recognition for serving as a Member of Conference Committee for organizing “95th Annual Conference of “**The Indian Economic Association**” at GITAM University on 27-28 December, 2012.
7. Vani V.S., Krishna M.G., Bhavana V. and Rekha K., **APPRECIATION CERTIFICATE** for the paper titled with “Design Aids to Deck slab Bridges using Software Applications for Limit State and Working Stress Methods”, at International Conference on “**Design & Construction of Urban Transport Structures**”, organized by National Bridge Research and Development Centre, Hyderabad and Indian Institute of Bridge Engineers, 23rd-25th April, 2010, proceedings pp. 83-96.
8. **Achieved 1st place** for the “**State of Art Literature on Behaviour of Concrete at Elevated Temperatures**”- A Paper Submitted for “**Research Contest** ” on the eve of *A.U.*

Foundation Day, organized by the Department of Civil Engineering, College of Engineering, Andhra University, Visakhapatnam- 530 003, April 2007.

A handwritten signature in black ink, appearing to be the initials 'WV'.

Signature