

Name: Dr. Varudu Sowjanya Vani

Employee ID: A5CIV00T44

Designation: Professor

Department: Civil Engineering

Date of Birth: 14-03-1981

Father Name: V Raghunadha Rao

Mother Name: V Sujatha

Address: D.No. – 5-45, Pedda Veedhi,

Aludu (Village & Post), Saravakota (Mandal),

SRIKAKULAM-532426

Mobile Number: 9000247962

Email id: sowji.vani@gmail.com, drvsvani@gmail.com

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

Academic Excellence:



QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph.D.(Structures)	Andhra University Visakhapatnam.	-	Awarded on 11-02- 2013
PG certificate Program -Artificial Intelligence and Machine learning	IIIT Lucknow	-	January 2025
M. Tech (Structures)	Jawaharlal Nehru Tech University, Anantapur, A.P.	1 st Class with Distinction	Oct 2005
B. Tech (Civil)	Nagarjuna University, Guntur-522510, A.P.	2 nd Class	April 2003
Intermediate (M.P.C)	Board of Intermediate Hyderabad A.P.	Distinction	April 1998

Total Years of Experience (Teaching/Industry): 18 Years

Period		Organization/Institution/Industry	Designation
22 June 2022	Till date	AITAM, Tekkali	Professor
13 July 2019	21 June 2022	AITAM, Tekkali	Associate Professor
10 Jan 2009	11 July 2019	GITAM, Visakhapatnam	Asst. Professor
03 July 2007	20 Dec 2008	Chaitanya Engineering College	Asst. Professor
12 Dec 2005	02 July 2007	Andhra University Visakhapatnam	Full time research scholar
04 Oct 2004	03 Sep 2005	B.H.E.L(R&D) Balanagar ,Hyderabad	Project trainee

Areas of Interest:

1. Durability of Concrete Structures
2. Concrete exposed to elevated temperatures
3. Special concrete and
4. Software Applications in Civil Engineering.

Academic Projects Guided:**i) Ph.D. Guided/Guiding:**

S. No.	Name of the Research Scholar	Reg. No.	Project Title	Date of Registration	Current Status
1.	RAPETI SRINIVASA RAO	24VV1R0101	Predicting compressive strength of concrete with ANN	02-01-2025	Ongoing
2.	Mrs. E Bhargavi	1260215401	Effect of size on compressive strength of fire affected concrete columns	29-10- 2015	Guided up to 11-07-2019
3.	Mrs. P. Gautami Patnaik	1260216403	Study Microstructure of Special Concrete	20-04- 2017	Guided up to 11-07-2019
4.	Mr. Kuppala Srinivasa Rao	121860204002	Seismic effects on structures	15-06-2018	Guided up to 11-07-2019

ii) Masters Projects: 30

iii) Bachelor Projects: 6

Funding from external agencies

Sponsored Projects:

S. No.	Sponsoring Agency	Title of the Project	Grant (Rs)
1	DST (SERB)	Effect of heat and sustained axial compression on Stress- Strain behavior of concrete (No. SB/FTP/ETA-0180/2014)	35,83,000/-
2	GITAM University Minor Research Project	Effect of cooling methods on compressive strength of fire affected concrete	70,000/-
3	GITAM University Minor Research Project	Use of recycled brick as an aggregate in concrete	75,000/-

Honors and awards received:

- **“DOMAIN SCHOLAR CERTIFICATE”** to Varudu Sowjanya Vani in Construction Material Technology, April 2025 by NPTEL.
- **“TOPPER”** (Top 5%) in the **NPTEL Course “ Basic Construction Materials”**- noc25-ce07-73%- Elite-by NPTEL -IIT Madras, Prof. Manu & Prof. Radhakrishna G. Pillai, Duration - January-April 2025 with roll No. NPTEL25CE07S557800002.
- Certificate of appreciation is awarded to V Sowjanya Vani, Aditya Institute of Technology and Management, Srikakulam, Andhra Pradesh in recognition of her role as the **“MENTOR”** for the NPTEL Online certification course **Introduction to Civil Engineering Profession**, January-April 2025.
- Certificate of appreciation to Varudu Sowjanya Vani Civil Engineering for being recognized as **“NPTEL BELIEVER”**, January-April 2025 by NPTEL.
- Member, BOS (Board of Studies), Department of Civil Engineering, JNTU- GV, 2025-26.
- **Introduction To Civil Engineering Profession** - noc25-ce35-75%-Elite+Silver medal; by Nptel -IIT Madras, Prof. Ravindra Gettu Prof. Koshy Varghese, Duration- January-March 2025, Roll No. NPTEL25CE35S432400337.
- Certificate of appreciation to Varudu Sowjanya Vani in Civil Engineering for being recognized as **“NPTEL MOTIVATED LEARNER”**, July-December 2024 by NPTEL.

- Certificate of appreciation to Varudu Sowjanya Vani in Civil Engineering for being recognized as **“NPTEL BELIEVER”**, July-December 2024 by NPTEL.
- Certificate of appreciation to Varudu Sowjanya Vani in Civil Engineering for being recognized as **“NPTEL DISCIPLINE STAR”**, January-April 2024 by NPTEL.
- Four week Faculty Development Program on **“Advanced Topics in Science and Technology of Concrete- noc24-ce54”** offered by Nptel online conducted by Prof. Manu and Prof. Ravindra Gettu, IIT Madras, scored 78%-Elite+Silver, During February-March 2024.
- **CO-CHAIR for a session** in 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.
- Appointed by JNTUA as Subject Expert for Question paper setter on 16th September 2017.
- Registered by JNTUK as Expert Question paper setter on 2nd June 2016.
- Registered by JNTUH as Expert Question paper setter on 2nd June 2015.
- Appreciation certificate for contribution as a member, Local Organizing Committee of **“DELNET Workshop”** held at GITAM University, Visakhapatnam on 17th September, 2014.
- **“Best Teacher”** Award awarded by Ultra-Tech Cements Ltd., on 23-01-2013.
- **“Best Teacher”** Award awarded by Ultra-Tech Cements Ltd., 2011.
- 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.
- 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.
- **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

Memberships of Professional Societies:

- Member of The Institute of Engineers since 31-01-2017– MIE -1570050.
- Member of the International Association of Engineers since 12th January 2011 – IAENG.
- Life Member of Indian Concrete Institute since 2010-2011 - LMICI 9077.
- Life Member of Indian Geotechnical Society since 9th November 2010 - LMIGS 3067.
- Life Member of Indian Institute of Bridge Engineers since 1st May 2010 – LMIIBE 2436.
- Life Member of Indian Society for Technical Education since 2010 - LMISTE 73337.

- Member, Fire Research Center, GITAM since 2009.

Social Activities:

- Life Member of the International Society for Krishna Consciousness since 4th November 2010 - LP7727.
- Organizing committee member “ALUMINI” St. Joseph’s High School, Srikakulam.

Other Responsibilities:

- ✓ Yukthi coordinator, Department of Civil Engineering, AITAM from 24-07-2023 to till date
- ✓ IQAC In charge, Department of Civil Engineering, AITAM from 11-12-2022 to till date
- ✓ Project coordinator, Department of Civil Engineering, AITAM from 17-03-2021 to till date
- ✓ Editor Newsletter and Technical magazine Department of Civil Engineering, AITAM from 29-09-2020 to September 2023.
- ✓ Member, BOS Department of Civil Engineering, AITAM from 29-09-2020 to till date.
- ✓ R&D activities In-charge, Department of Civil Engineering, AITAM from 29-07-2019 to 28/9/2020.
- ✓ Research coordinator, DCE, GIT, GU from 17-06-2015 to 11-7-2019.
- ✓ Member, Institute research committee, GIT, GU from 01-12-2015 to 11-7-2019.
- ✓ Member, Department Research Committee (DRC), DCE, GIT, GU from 01-12-2015 to 11-7-2019.
- ✓ Member, Department Committee (DC), GIT, GU from 30-12-2015 to 01-02-2019.
- ✓ In-charge, Department Library, GIT, GU from 08-02-2010 to 11-7-2019.
- ✓ Nodal coordinator Finance, for TEQIP phase II for DCE, from GIT, GU, 16-03-2012 to 31-12-2016.
- ✓ Member, Board of Studies (BOS) for DCE, GIT, GU from 27-01-2015 to 16-03-2018.
- ✓ Academic Monitoring Chairperson (AMC) for 2014 admitted batch C section and M. Tech 1 year for 2012, 2013, 2014, 2015 admitted batches, DCE, GIT, GU.
- ✓ Coordinator examinations, DCE, GIT, GU from 04-02-2012 to 05-01-2016.
- ✓ Worked as member for DCE, GIT, GU for NAAC committee visit during 2009 and 2015.
- ✓ Coordinator Hostel for DCE, GIT, GU from 05-07-2012 to 31-07-2012.
- ✓ Computer Lab-in-charge for DCE, GIT, GU from 25-07-2009 to 07-02-2010.
- ✓ Student mentor/ counselor for several batches, DCE, GIT, GU.
- ✓ Anti-ragging squad, disciplinary squad under Disciplinary committee, GIT, GU.
- ✓ Worked as member for Department of Civil Engineering for NAAC committee Visit in Chaitanya Engineering College.

Details of Publications:

International Journals:

1. Yaswanth, K. K., V. S. Vani, Krupasindhu Biswal, G. Prasanna Kumar, Chinta Manjula, S. Govindarajan, P. Ganga Bhavani, and U. Prameela. "A critical analysis of compressive strength prediction of glass fiber and carbon fiber reinforced concrete over machine learning models", "Multiscale and Multidisciplinary Modeling, Experiments and Design" 8 No. 3, 2025,178, pp.1-32. (<https://doi.org/10.1007/s41939-025-00776-5>) (SCI, Springer and SCOPUS Publication) (Print-ISSN-2520-8160, E -ISSN-2520-8179)

2. Yaswanth, K. K., G. Prasanna Kumar, V. Sowjanya Vani, Krupasindhu Biswal, Shahazadi Begum, Gadikota Chennakesava Reddy, V. Kumari, and Rama Mohana Reddy Bellum, "Feasibility study of novel Bengal Gram Husk Ash as a supplementary cementitious material: mechanical, durability and microstructural assessments", "Multiscale and Multidisciplinary Modeling, Experiments and Design" 8, Issue. 11, 2024, pp.1-17. (SCI, Springer and SCOPUS Publication) .(Print-ISSN-2520-8160, E - ISSN-2520-8179),(<https://link.springer.com/article/10.1007/s41939-024-00629-7>), (<https://doi.org/10.1007/s41939-024-00629-7>)
3. Yellumahanti Harikrishna Patro and V S Vani," Experimental Study And Performance On Plastic Brick Walls Made From Plastic Waste","International Journal of Creative Research Thoughts (IJCRT)", Vol. 11, issue 11, November 2023, pp. f478-487.(ISSN: 2320-2882).
4. Agnimithra Lingampeta and V S Vani, "Retrofitting of Sagged & Distressed Girders of a Bridge by External Post Tensioning– Case Study", "International Journal of All Research Education and Scientific Methods (IJARESM)" , Vol. 11, Issue 7, July 2023, pp. 2342-2347 (Unique Paper ID: 159810) (ISSN: 2455-6211) (http://www.ijaresm.com/uploaded_files/document_file/Agnimithra_LingampetamixU.pdf).
5. Mamidi.Sushma and V S Vani, "Analysis And Strengthening of Distressed Structural Members of A Building– Case Study", "International Journal of Innovative Research in Technology-(IJIRT)" , Vol. 9 Issue 12, May 2023, pp. 403-406 (Unique Paper ID: 159810) (ISSN: 2349-6002) (<https://ijirt.org/Article?manuscript=159810>).
6. Sanapala Sai Krishna Dinakar and Dr. Varudu Sowjanya Vani," Study on compressive strength concrete after replacing sand with granite powder","International Journal of Creative Research Thoughts (IJCRT)", Vol. 9, issue 10, October 2021, pp. 850-855.(ISSN: 2320-2882), (<http://doi.org/10.1729/Journal.28330>).
7. 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(IJAST)", Vol. 29, No. 5, (2020), pp. 12095-12105.(Print-ISSN-2005-4238, online - ISSN-2207-6360) (<http://sersc.org/journals/index.php/IJAST/article/view/25639>) CENTER FOR PROMOTING IDEAS (CPI), USA publishers, (Scopus Indexed).
8. 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.(E-ISSN-2455-2585),(http://ijtimes.com/papers/finished_papers/IJTIMESV05I06150623110306.pdf), (UGC approved Journal, Impact factor-5.22).
9. 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. (ISSN-2455-6378), (http://ijasrm.com/wp-content/uploads/2019/04/IJASRM_V4S4_1366_359_363.pdf) (UGC approved, Google scholar indexed, Impact factor-4.62).
10. 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.(E-ISSN-2348-1269,P-ISSN-2349-5138),
(http://www.ijrar.org/viewfull.php?&p_id=IJRAR19J2534), (<http://doi.org/10.1729/Journal.19800>) (UGC approved, Google scholar indexed, Impact factor-4).
11. 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. (online ISSN: 0976 - 6316, print ISSN: 0976 - 6308),
(<http://www.iaeme.com/ijciет/issues.asp?VType=9&IType=11&JType=IJCIET&PageNumber=4>),
(Scopus Indexed- IAEME Publications).
 12. 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. (e-ISSN: 2395-0056, p-ISSN: 2409-2413), Journal Impact factor (JIF)-3.598 (<https://irjet.net/archives/V5/i3/IRJET-V5I3552.pdf>).
(Indexed Copernicus and Google scholar- Fast Track Publications).
 13. 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.(E-ISSN:2454-8006), Journal Impact factor (JIF)-3.598 (<http://dx.doi.org/10.7324/IJASRE.2018.32653>).
 14. 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. (e-ISSN: 2320-0847, p-ISSN: 2320-0936).
([http://ajer.org/papers/v6\(12\)/Z0612167172.pdf](http://ajer.org/papers/v6(12)/Z0612167172.pdf)), (Index Copernicus, Google, J-gate).
 15. 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. (ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726).([http://www.ijesi.org/papers/Vol\(6\)10/Version-1/C0610011418.pdf](http://www.ijesi.org/papers/Vol(6)10/Version-1/C0610011418.pdf)), (UGC approved Journal).
 16. 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). Impact factor – 6.209. (https://www.ijirset.com/upload/2017/august/251_68_IJIRSET_Paper_N.pdf).
 17. 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. (Scopus indexed) (ISSN:2319-8613 E-ISSN:0975-4024) (DOI: 10.21817/ijet/2017/v9i2/170902217). (Engg. Journals Publications), (<https://www.scopus.com/sourceid/21100200832?origin=sbrowse>) (Scopus indexed).
 18. 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. (ISSN (online): 2349-784X).

Impact factor	IC Value
3.905	62.78

19. 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. (eISSN: 2319-1163/ pISSN: 2321-7308), (Impact Factor 3.127).
20. 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. (ISSN: 0974-3596).

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. (<http://www.masterbuilder.co.in/study-on-mechanical-properties-of-concrete-with-various-slugs-as-replacement-to-fine-aggregate/>)
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. (ISSN 0974-6528).

H-Index	SNIP	SJR	Impact Factor	Google Scholar Citation
6	0.137	0.143	0.149	1

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. (ISSN 0975-9034).

International Conferences:

1. BL N Sai Srinath, K Venkata Ramesh, Chandan Kumar Patnaikuni, V Soujanya Vani, Pothuraju M, “Effect of curing methods on fly ash based concrete”, International conference on contemporary and sustainable infrastructure, IOP Conference series Earth and Environmental Science”, 822 (2021) 012023, pp. 1-9. Bengaluru, 21st to 22nd May 2021 (doi:10.1088/1755-1315/822/1/012023) (Scopus indexed) <https://iopscience.iop.org/article/10.1088/1755-1315/822/1/012023>
2. 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>).
3. 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.

4. M. Sulakshna Anu, V. S. Vani, Resapu Rajeswara Reddy, Ms. M. Neeraja, "Effect of sub-strata 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).
5. 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.
6. 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. (ISNB 81-7088-089-1).
7. 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 Conferences

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.

6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. Vani V.S., K. Srinivasa Rao, “Effect of Silica Fume on Development of High Strength Concrete of M65 Grade”, “National Conference on Modern Trends in Civil Engineering-(NCMTCE’10)”, at Department of Civil Engineering, R.V.S. College of Engineering and Technology, Dindigul, Tamil Nadu, 12th March, 2010, proceedings pp. 246-256.
12. 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.
13. 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
Training and Skill Development Programs Conducted:			

1.	19 th and 20 th September, 2018	Skill Development Program on AUTODESK REVIT	GITAM University
2.	11 th -12 th June, 2015	SPECIAL CONCRETE	GITAM University
Guest Lectures Conducted:			
1.	3 rd March, 2014	URBAN INFRASTRUCTURE	GITAM University
Guest Lectures Delivered:			
1.	25 th January, 2019	STRUCTURAL SYSTEMS	Gayatri Vidya Parishad College for Degree and PG courses, Rushikonda, Visakhapatnam
Workshops Organized			
1.	10 th -11 th December, 2018	International Workshop on Disaster and Management (IWDMM-18)	GITAM University
Seminars Organized:			
1.	March 2009	REINFORCE 09	GITAM University
2.	2002	AUREOLES-2k2	Bapatla Engineering College, Guntur
Conference Organized:			
1.	18 th -19 th December, 2014	International conference on Professional Engineers challenges in Disaster Management ICPECDM'14	GITAM University
2.	27-28 December, 2012.	95 th Annual Conference of The Indian Economic Association	GITAM University
Faculty Development Programs Organized			
	11 th to 16 th March, 2024	Sustainable and Resilient Civil Engineering Practices- -2K24	AITAM College

Details of Conferences / Workshops / Refresher Courses Attended:

Conferences attended:

S. No	Dates	Name of the Programme	Host Institution
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1.	24 th -25 th January 2025	1st International Conference on Sustainable Materials, Methodologies, Technologies & Applications in Engineering (ICS2MT-2K25)	CVR College of Engineering, Hyderabad
2.	13 th – 15 th March 2019	Innovative Trends in Civil Engineering for Sustainable Development – ITCSD-2019	National Institute of Technology, Warangal
3.	15 th – 16 th March 2019	Advances in Sustainable construction Materials	National Institute of Technology, Warangal
4.	18 th -19 th December, 2014	International conference on Professional Engineers challenges in Disaster Management ICPECDM' 14	GITAM University, Visakhapatnam
5.	15 th -16 th Sep 2016	Civil Engineering for Sustainability	Andhra University
6.	23 rd – 25 th April 2010	Design & Construction of Urban Transport Structures	National Bridge Research and Development Centre
7.	12 th – 13 th March 2010	National Conference on Modern Trends in Civil Engineering-(NCRTCE' 10)	R.V.S. College of Engineering and Technology
8.	26 th -27 th March 2008	“Sustainable Environmental Sanitation and Water Resources During the new millennium (SESNM '08)”	GITAM, Visakhapatnam
Without certificates			
9.	1 st – 2 nd Oct 2007	Conference on Geo-Technical Challenges on Civil Engineering Projects-GCCEP	Andhra University
10.	23 rd – 27 th Feb 2007	Construction Management and Technology	Andhra University
11.	24 th – 25 th Nov 2006	Fire Affected Concrete Structures	GITAM, Visakhapatnam
12.	February 2006	National Conference on Natural Disaster Management	Andhra University

Workshops:

S. No	Dates	Name of the Programme	Host Institution
1.	19 th Apr 2024	Light Weight Aggregate Concrete: Development and Applications	Infrastructure, IIT, Bhubaneswar

2.	13 th – 14 th July 2019	Outcome Based Education	AITAM TEKKALI
3.	20 th Feb 2019	Concrete Mix Proportion	GITAM University
4.	27 th Mar 2017	Research Facilities For Studies On Soil Liquefaction, Fire Affected Structures And Coast Protection Structures	Andhra University, Visakhapatnam
5.	1 st – 2 nd July 2016	Reliability Based Analysis and Design of structures	GITAM University, Visakhapatnam
6.	4 TH Jan 2016	Quality Research Writing and Research Impact Measures	GITAM University, Visakhapatnam
7.	7 th – 8 th Apr 2015	Recent Advances in Structural Engineering (RASE- 2015)	Council of Scientific,(CSIR),(SERC)
8.	17 th Sep 2014	DELNET Workshop	GITAM University, Visakhapatnam
9.	30 th – 31 st Jan 2014	Challenges in Structural Design, Dynamics & Testing: Indian Perspective in the Global Scenario (CSDDT – 2014) (Smart Structures, Structural Health Monitoring & Advanced Design Aspects)	Andhra University, Visakhapatnam
10.	8 th Dec 2012	Access to E-Resources	GITAM University, Visakhapatnam
11.	6 th Mar 2012	Inter-National Workshop on “Women At Work	GITAM University ,Visakhapatnam
12.	2 nd Mar 2012	National Workshop on “Eco Friendly Technologies to combat global warming	GITAM University ,Visakhapatnam
13.	22 nd Oct 2011	National Workshop on “ Soil Retaining by Reinforcing Techniques	Andhra University, Visakhapatnam
14.	1 st – 2 nd Oct 2010	National Workshop on “ Soil Investigations – Case Studies	Andhra University, Visakhapatnam
15.	11 th Feb 2008	International WorkShop on “Concrete Fibre Composites Special Concretes & Structures- IWCSS	JNTU College of Engineering, Kakinada
16.	30 th Jun 2006	Technical Workshop on “Greater Visakha- Environmental Concerns	Andhra University, Visakhapatnam
17.	25 th July 2015	Publishing your Research and Journal books	GITAM University, Visakhapatnam
Without certificates			

18.	14 th -15 th Mar 2015	Research Design & Methodology	GITAM University, Visakhapatnam
19.	9 th Mar 2015	Prospects & Challenges of women in Civil Engineering	GITAM University, Visakhapatnam
20.	2 nd Apr 2013	Ground Engineering Techniques (GET)	Andhra University, Visakhapatnam
21.	26 th Mar 2013	Bentley Structural Solutions: Academic Online Workshop	Bentley systems
22.	10 th – 11 th Jan 2013	Inter-National Workshop on “SWRM-Sustainable Water Resource Management	GITAM University, Visakhapatnam
23.	23 rd Mar 2007	Technical WorkShop on “Water Management	Andhra University, Visakhapatnam

Seminars:

S. No.	Dates	Name of the Programme	Host Institution
1.	28 th March 2016	Fire Affected Concrete Structures	Andhra University
2.	05 th – 06 th March 2016	Geotechnical Challenges in Developing Coastal Cities	Andhra University
3.	02 nd Oct 2015	Geotechnical Engineering Significance in Urban Infrastructure Projects	Andhra University
4.	30 th March 2015	Mitigation Effects on Infrastructure Projects	Andhra University
5.	05 th – 06 th March 2009	Research in Civil Engineering – (SSRCE09)	Indian Institute of Technology Madras
6.	1 st – 2 nd October 2008	Problematic Soils - Geo Technical Solutions -PSGS	Andhra University
Without certificates			
7.	12 th Feb 2019	Values in Higher Education in a Global Society	GITAM University
8.	7 th Sep 2018	Special Structures With Special Shapes	Tata Tiscon Webinar online
9.	21 st Aug 2018	GreenPro Webinar Series - Session 2 - Green Ready Mixed Concrete	Webinar online Vijay Kulkarini and Ultratech

10.	18 th Aug 2018	Earthquake-resistant Design of Buildings: IS 1893 (Part I) New Revision onli	Online webinar Dr. Ramancharla PradeepKumar, IIIT, Hyderabad
11.	17 th July 2015	Earthquake Safety of Tall Buildings	Earthquake Engineering research center
12.	29 th Aug 2007	Teaching Techniques	Chaitanya Engineering College
13.	10 th Aug 2007	Research Project Methodology	Chaitanya Engineering College

Guest Lectures Attended:

S. No.	Dates	Name of the Programme	Host Institution
1.	30 th Aug 2023	Challenges in making Durable Concrete	Ultra Tech,
2.	4 th Mar 2021	A Talk on Human Values	AITAM, Tekkali
3.	27 th Feb 2021	Women Entrepreneurship - Opportunities and Challenges in 21st Century	AITAM, Tekkali
4.	9 th Aug 2020	Preparation quality journal papers and book chapters	Webinar Resource person - Dr. Janmenjoy Nayak
5.	23 rd Feb 2018	CEO Lecture series, strategy, start-up and Innovation and artificial intelligence	GITAM University, Visakhapatnam
6.	24 th Sep 2018	Challenges in DESIGN and Construction of the World's Tallest Bridge	GITAM University, Visakhapatnam
7.	11 th Sep 2018	Importance of Planning and Architectural Aspects for Emerging Civil Engineers	GITAM University, Visakhapatnam
8.	5 th Sep 2018	Insights of Polavaram	GITAM University, Visakhapatnam
9.	18 th Aug 2018	Opportunities for Civil Engineers and Earthquake Disaster Management	GITAM University, Visakhapatnam
10.	17 th Aug 2018	Challenges and opportunities in Civil Projects	GITAM University, Visakhapatnam
11.	8 th Aug 2018	Role of Structural Dynamics in Industry	GITAM University, Visakhapatnam
12.	18 th Jul 2018	Development of Road Infrastructure: Challenges and Strategies	GITAM University, Visakhapatnam
13.	26 th Feb 2016	Applying Research Projects in DST	GITAM University, Visakhapatnam
14.	15 th – 20 th Nov 2015	Cambridge Journals Online	GITAM University, Visakhapatnam
15.	12 th Nov 2015	Outcome Based Learning	GITAM University,

			Visakhapatnam
16.	15 th September, 2015	Open sources	GITAM University, Visakhapatnam
17.	23 rd Mar 2015	One Day User Awareness Programme on Shodhganga and Anti-Plagiarism Software iThenticate/Turnitin	GITAM University, Visakhapatnam
18.	12 th Apr 2015	Bamboo - the future of green constructions	GITAM University, Visakhapatnam
19.	11 th Apr 2014	Science & Technology in India: progress and prospects	GITAM University, Visakhapatnam
20.	16 th Jul 2013	Advantages of blended concretes for coastal environment and how to handle Ready-mixed concrete at sites	GITAM University, Visakhapatnam
21.	29 th -30 th Mar, 2011	Water Resources Management in Andhra Pradesh (WRMAP)	GITAM University, Visakhapatnam
22.	20 th Sept, 2008	Concrete Day- Regeneration of Energies	Visakhapatnam Port Trust in association
23.	15 th Sept, 2007	Concrete Day	ICI, Visakhapatnam chapter

Training Programs attended/FDP/Continuing Education:

S. No.	Dates	Name of the Programme	Host Institution
1.	Jan – Apr 2025	Modern Construction Materials - noc25-ce41	online conducted by IIT Madras
2.	10 th -12 th April, 2025	Innovations in Bridge Engineering: Design, Auditing & Maintenance	Sanjivani College of Engineering, Kopargaon
3.	17 th to 21 st March, 2025	Python for Engineering applications	Aditya Institute of Technology and Management, Tekkali, and E&ICT IIT Roorkee sponsored by NITTR Chandigarh
4.	03 rd March to 12 th March 2025	NEP-2020 Orientation & Sensitization Programme	UGC-MMTTC & Sri Guru Tegh Bahadur Khalsa College
5.	2024-25	Reskilling	MoE'S Innovation cell and AICTE during the IIC calendar
6.	2024-25	Innovation Ambassador- Advanced level	MoE'S Innovation cell and AICTE during the IIC calendar

7.	2024-25	Innovation Ambassador- foundation level	MoE'S Innovation cell and AICTE during the IIC calendar
8.	17 th to 21 st February, 2025	Artificial Intelligence in Civil Engineering Applications: A Research Perspective	KLE Technological University, Belagavi
9.	15 th to 19 th January, 2025	Emerging Trends in Numerical and Experimental Techniques in Structural Engineering (ETNETSE 2025)	NIT Rourkela
10.	23 rd to 24 th December, 2024	Design Thinking	Aditya Institute of Technology and Management, Tekkali
11.	16 th to 21 st December, 2024	Disaster Risk Reduction Through Sustainable Infrastructure”	AICTE Training and ATAL Learning, Rama Chandra College of Engineering
12.	25 th to 29 th November, 2024	Managing Infrastructure in Urban Areas	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh
13.	11 th March to 16 th March, 2024	One week Online FDP entitled "Sustainable and Resilient Civil Engineering Practices" (SRCEP- 2K24)	AITAM, Tekkali
14.	July- October 2024	Introduction to Machine Learning	online conducted by IIT, Madras
15.	July-October 2024	Fundamentals of Artificial Intelligence	online conducted by IIT Madras
16.	July-October 2024	Advanced Concrete Technology	online conducted by IIT Madras
17.	Jul – Sep 2024	Introduction to Machine Learning - IITKGP	online conducted by IIT, Kharagpur
18.	Jul – Aug 2024	Python for Data Science	online conducted by IIT Madras
19.	Jun 2024	SSD01x: Smart Cities for Sustainable Development	online learning initiative of World Bank
20.	Feb – Mar 2024	Advanced Topics in Science and Technology of Concrete- noc24-ce54	online conducted by IIT Madras
21.	Jan – Mar 2024	Development and Applications of Special Concretes- noc23-ce09	online conducted by IIT Kanpur
22.	Jan – Apr	Maintenance and Repair of Concrete	online conducted by IIT

	2024	Structures- noc23-ce06	Madras
23.	11 th – 15 th Sep 2023	NAAC and Internal Quality Assurance	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh
24.	21 st – 25 th Aug 2023	Inculcating Universal Human Values in Technical Education	Online conducted by (AICTE)
25.	Jul – Oct 2023	Admixtures and Special Concretes- noc23-ce61	online conducted by IIT Madras
26.	17 th – 22 nd Jul 2023	Innovation and Advance Learning in Civil Engineering	Lankapalli Bullayya College of Engineering, Visakhapatnam
27.	10 th – 15 th Jul 2023	Review on recent research in civil engineering	KHIT in association with ISTE
28.	3 rd -7 th Jul 2023	“ Linear and Non-Linear Finite Element Analysis with programming (hybrid mode)	BITS Pillani, Hyderabad campus
29.	26 th – 30 th Jun 2023	Stochastic Soil Structure Interaction	Indian Institute of Technology, Tekkali
30.	Jan – Apr 2023	Concrete Technology-noc22-ce50	online conducted by Professor B.Bhattacharjee, IITDelhi
31.	20 th - 24 th Mar 2023	Online Learning and Online Evaluation	NITTR Chandigarh
32.	6 th – 10 th Mar 2023	Recycled Materials In Highway Construction	AITAM, Tekkali
33.	Jan – Mar 2023	Development and Applications of Special Concretes	online conducted by Prof. Sudhir Misra, IIT Kanpur
34.	28 th Nov – 2 nd Dec 2022	Recycled Aggregates: Characteristics and Use in Concrete, incorporating Case Studies, Standards/Specifications and Environment Impact Considerations	Dr B R Ambedkar National Institute of Technology Jalandhar,Punjab,
35.	21 st – 27 th Nov 2022	Emerging Trends and Practices in Civil Engineering	AITAM, Tekkali
36.	Jul – Oct 2022	Advanced Concrete Technology-noc22-ce58	online conducted by Professor Manu Santanam, IITM
37.	19 th – 23 rd Sep 2022	Level up language skills for professional development	AITAM, Tekkali
38.	2 nd – 7 th May 2022	Advanced Methods in Exploration of Ground Water	AITAM, Tekkali
39.	20 th – 24 th	Recent Advances in Structural Engineering	Hindustan Institute of

	Jun 2022		Technology and Science, Chennai
40.	27 th – 31 st Jul 2020	Recent trends and innovations in civil engineering	online Dr. Lankapalli Bullayya
41.	25 th -29 th October	Recent Trends and Future Aspects of Steel Structures	National Institute Of Technology Warangal And Sardar Vallabhbhai National Institute Of Technology, Surat
42.	8 th – 12 th Jul 2019	Advanced Vibration Analysis and its Application in Industry	Andhra University
43.	1 st – 2 nd	Autodesk Revit Architecture	Gayatri vidya Parishad college
44.	5 th – 7 th Feb 2018	Disaster Safe Building Codes and Designs	(APHRDI), Visakhapatnam
45.	9 th – 13 th Oct 2017	Analysis and Design of Structures in Fire (ADSF-2017)	NIT Jamshedpur in collaboration with Government of India under Global Initiative
46.	5 th – 10 th Jun 2017	Fluid Mechanics	GITAM University
47.	28 th Mar 2016	21st CENTURY PROFESSIONAL SKILLS-2016	Andhra University
48.	6 th – 11 th Jun 2016	Mechanics of Materials	GITAM University
49.	13 th – 17 th Jul 2015	Earthquake Resistant Design of Buildings	Earthquake Engineering Research center, IIIT Hyderabad
50.	15 th – 19 th Jul 2013	The Philosophy and psychology of the Bhagavad Gita	GITAM University
51.	26 th – 30 th Mar 2012	Faculty Empowerment workshop - Mission 10X- High Impact Teaching Skills	WIPRO & GITAM University
52.	20 th – 25 th Sep 2010	Advanced Applications of Post-Tensioned Concrete in Buildings and Bridges (AAPTCBB)	Gayatri Vidya Parshid College of Engineering
53.	22 nd -26 th Mar 2010	Fracture Mechanics of Concrete: Research and Applications	Indian Institute of Technology Madras
54.	7 th – 8 th Feb 2010	Teaching Methodology	GITAM University
55.	27 th – 28 th Aug 2008	Two days Workshop on “IS: 800 – 2007” Indian Standard General Construction in	Growth (INSDAG), Kolkata, Rastriya Ispat Nigam

		Steel	Ltd,Visakhapatnam
56.	18 th – 23 rd Feb 2008	Total Station Surveying & GPS	Andhra University
Without certificates			
57.	12 th – 15 th Jun 2017	Autodesk fusion	GITAM University
58.	9 th Jan 2016	Outcome Based Education	GITAM University
59.	17 th Jun 2023	Research Funding and Proposal Writing Techniques	AITAM, Tekkali

TEXT BOOKS AND BOOK CHAPTERS:

- Dr. VARUDU SOWJANYA VANI, Dr. SHAHAZADI BEGUM, Dr. GEDELA PRASANNA KUMAR "ECO-EFFICIENT CONSTRUCTION MATERIALS AND SPECIAL CONCRETE", RDG SCIENTIFIC PUBLICATIONS, 2025 (first edition, ISBN:978-81-982284-6-8).
- VARUDU SOWJANYA VANI, AMIT JAIN AND AMIT TIWARI, “ANALYZING IOT COMMUNICATION PROTOCOLS: A COMPARATIVE STUDY OF MQTT, COAP, AND HTTP” a book chapter 3 from book entitled “Emerging Technologies and Societies”, Xoffencer International Book Publication House, 27-3-2025 (ISBN: 978-93-48116-09-3).

CONSULTANCY:

Involving in material testing and Design of structures.

PATENT:

1. Patent No: 202441034958, Title: **Method for Enhancing Concrete Properties Using Marble Powder and Marble Granules**, DOP: 10-05-2024.
2. Patent No: 2024541047120, Title: **A Method for Preparing Eco-Friendly Plastic Brick from Recycled Waste Plastic for High-Strength Wall Construction**. DOP: 06-06-2025.

REVIEWER:

- Editorial Board member of SJ056 - Scienxt International Journal of Civil Engineering (SIJCE) since 2025.
- Editorial Board member of SJ054 - Scienxt Journal of Concrete Technology and Materials (SJCTM) since 2025.

- Editorial Board member of SJ049 - Scienxt Journal of Civil Engineering (SJCE) since 2019.
- Editorial Board member of SJ049 - Scienxt Journal of Recent Trends in Construction (SJRTC) since 2019.
- Co-Chair for a session in 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.
- Editorial board member of AR Research Publication and Conference World 2017 (Ref No. CW/2017/ 735 letter dated 21-07- 2017).

ROLES:

- Observer APSLPRB Examinations held on 22-01-2023.
- Member, BOS (Board of Studies), Department of Civil Engineering, JNTU- GV, 2025-26.

Computer knowledge:

- Languages known : C.
- Civil Engineering Software's: STAAD pro, AUTOCAD 2000 and Python.
- Software's (Hands on experience only): NISA, Autodesk fusion, Revit Architecture, Revit Structure, GIS-Erda, Total station, STRAP, ETABS, Ansys-workbench, FEMAP.
- Others: MS Office.

Software Applications:

- Developing program that finds Plastic section modulus and moment of inertia for steel sections
- Developed program for R.C.C. Deck Slab Design in MS Excel.
- Devolved Program for Concrete Mix Design according to IS: 10262-2009 in MS Excel.
- Devolved Program to know Zones and Fineness Modulus of Fine Aggregate in accordance with IS: 383 - 1970 in MS Excel.
- Devolved C Program for Concrete Mix Design according to IS: 10262-1980.

Professional Certification:

- Life Time Chartered Engineer (India) by The Institute of Engineers (India) dated 15-02-2017 (C Eng).

Course Certification:

- **Basic Construction Materials** - noc25-ce07-73%-Elite & “**TOPPER**” (Top 5%) NPTEL -IIT Madras, Prof. Manu Santhanam & Prof. Radhakrishna G. Pillai, Duration - January-April 2025, Roll No. NPTEL25CE07S557800002.
- **Modern Construction Materials** - noc25-ce41-67%- Elite by Nptel -IIT Madras, Duration- January-April 2025, Prof. Ravindra Gettu & Prof. Aslam Kunhi Mohamed, Roll No. NPTEL25CE41S357800004.

- **Introduction To Civil Engineering Profession** - noc25-ce35-75%-Elite+Silver; by Nptel -IIT Madras, Duration- January-March 2025 Prof. Ravindra Gettu and Prof. Koshy Varghese, Roll No. NPTEL25CE35S432400337.
- **Fundamentals of Artificial Intelligence**- noc24-ge47-50%; by Nptel -IIT Guwahati, Duration- July-October 2024, Roll No. NPTEL24GE47S466400130.
- **Introduction To Machine Learning** - noc24-cs101-50%; by Nptel -IIT Madras, Duration- July-October 2024, Roll No. NPTEL24CS101S566400055.
- **Advanced Concrete Technology**- noc24-ce104-62%-Elite; Nptel -IIT Madras, Duration- July-October 2024, Roll No. NPTEL24CE104S766400044.
- **Introduction To Machine Learning - IITKGP**- noc24-cs81-64%-Elite; by Nptel -IIT Kharagpur, Duration- July-September 2024, Roll No. NPTEL24CS81S3474000083.
- **Python for Data Science**- noc24-cs68-54%-Pass; Nptel- IIT Madras, Duration- July-August 2024, Roll No. NPTEL24CS68S147400055.
- **Advanced Topics in Science and Technology of Concrete**- noc24-ce54-78%-Elite+Silver; Nptel- IIT Madras, Duration- February-March 2024, Roll No. NPTEL24CE54S567700075.
- **Development and Applications of Special Concretes**- noc23-ce08-71%-Elite; Nptel- IIT Kanpur, Duration- January-March 2024, Roll No. NPTEL24CE08S442400664.
- **Maintenance and Repair of Concrete Structures**- noc23-ce22-66%-Elite; Nptel- IIT Madras, Duration- January-April 2024, Roll No. NPTEL24CE22S367700033.
- **Admixtures and Special Concretes**- noc23-ce61-73%-Elite; by Nptel -IIT Madras, Duration- July-October 2023, Roll No. NPTEL23CE61S547600029.
- **Concrete Technology**- noc22-ce50-63%-Elite; Nptel-IIT Delhi, Duration- January-April 2023, Roll No. NPTEL23CE50S44720219.
- **Development and Applications of Special Concretes**- noc23-ce09-52%; Nptel- IIT Kanpur, Duration- January-March 2023, Roll No. NPTEL23CE09S35670076.
- **Advanced Concrete Technology**- noc22-ce58-68%-Elite; Nptel -IIT Madras, Duration- July-October 2022, Roll No. NPTEL22CE58S54150009.

V.S. Varma

Signature