

BRIEF BIO-DATA

Name: Mr. Venugopal K

Qualification: D.C.E, B.E, M.E, (Ph.D)

C.Eng MACCE, LMICI, MICE, LMISTE.

Designation: Associate Professor & HOD

Phone: +91 80 25613741 (office)

Fax: +91 80 25613418 (office)

Cell: 09611101886

E-mail ID: venugopalseacet@yahoo.in / venugopal@seaedu.ac.in

Areas of Specialization: Advanced Civil Engineering Materials.

Affiliation: Department of Civil Engineering, S.E.A.C.E.T, V.T.U



ACADEMICS:-

| Course | Specialization | Institution |
|-----------------|-------------------------|----------------------|
| Ph.D (Pursuing) | Construction Materials | Jain University |
| M. E | Construction Technology | Bangalore University |
| B.E | General (Civil) | Sir. M.V.I.T |
| Diploma | General (Civil) | M.E.I. Polytechnic |

Prof. Venugopal. K was born on 14th August 1982 in Karnataka state of India. He obtained bachelor degree in Civil Engineering from Visvesvaraya Technological University, India during 2007. He completed M.E in Construction Technology during 2009 from Bangalore University, Bangalore, Karnataka state of India, presently pursuing his Ph.D in Concrete Technology under Jain University, Bangalore, India.

He is presently serving as Associate Professor & Head, Department of Civil Engineering at S.E.A College of Engineering and Technology, Bangalore, India. He has over 10 years of teaching experience in various Civil Engineering Programs. He has published more than 16+ research papers in National/International journal. He has presented more than 30 national and international conference papers and also received 4 best research paper awards national and international conferences including 4th Annual International Conference on Architecture and Civil Engineering (ACE-2016) Singapore.

He is life member of Indian Society of Technical Education (LM-101997), Association of Consulting Civil Engineers. (LM-3774L), Indian Concrete Institute. (LM-10472). His areas of interest include Masonry structures and fly ash composites.

ACADEMIC CREDENTIALS:-

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|--|---|
| Doctor of Philosophy (Ph.D) | Pursuing Ph.D from Department of Civil Engineering. Jain University, Bangalore. |
| Doctoral Thesis | “Properties and Applications of Geopolymer Masonry Units” |
| M.E (Construction Technology) (Project Dissertation) | Performance of Modified Fiber Reinforced Concrete in Pre-tensioned PSC Railway Sleepers under Static Loading. |
| M.E (Construction Technology) (3 rd Sem Project) | Project Planning using Microsoft office 2007 for Construction of Multistoried Residential Building. |

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|-----------------------------|--|
| B.E (Civil Engineering) | Analysis and Design of Multistoried Residential Building. |
| Diploma (Civil Engineering) | Estimation and Valuation of Multistoried Residential Building. |

COMPUTER SKILLS:-

- Ms Office.
- Master Diploma in PPM
 - ✓ Primavera.
 - ✓ M S Project
- Auto CADD.
- Stadd Pro.

SHORT TERM COURSE ATTENDED: -

- Certificate Course in AUTO CADD R2000 from MEI Polytechnic, Bangalore.
- Master Diploma in CIVIL CADD, MS-PROJECT.
- Master Diploma in Project Planning and Management (PPM).
- Certified Six Sigma Green belt under MSME-Technology Development Centre-Agra.

MEMBERSHIP OF PROFESSIONAL/ACADEMIC BODIES:-

- i) Registered Structural Engineer at Bruhath Bengaluru Mahanagara Palike (BBMP), No-**BCC/BL-3.6/E-97/11-12**
- ii) Associate Member - Institution of Engineers (India) [AMIE], Membership Grade & No. **AM155383-9**
- iii) Chartered Engineer - Institution of Engineers (India) {C.Eng (I)}
- iv) Life member -Indian Concrete Institute. (**LM-10472**)
- v) Life member -Indian Society of Technical Education. (**LM-101997**)
- vi) Life member- Indian Society of Engineering Geology. (**LM-1401**)
- vii) Life member- International Association of Engineering Geology. (**LM-1401**)
- viii) Life member- Indian Geotechnical Society. (**LM-3885**)
- ix) Life member- Indian Society of Earthquake Technology. (**LM-1595**)
- x) Life member- Indian Society for Non-Destructive Testing. (**LM-9253BG**)
- xi) Life member- Association of Consulting Civil Engineers. (**LM-3774L**)
- xii) Life member- The Institution of Civil Engineers. (India) (**LM-30323**)
- xiii) Life member- Indian Institution of Industrial Engineering (**LM-10692**)

SUBJECTS TAUGHT PAST YEAR:-

- Reinforced Cement Concrete Structures - I & II.
- Elements of Civil Engg & Engineering Mechanics.
- Structural Analysis –I & II.
- Design of Steel Structures I & II.
- Estimation and Costing.
- Building Planning and Drawing.
- Transportation Engg.
- Hydraulic Structures & Irrigation Design-Drawing.
- Strength of Materials.

- Building materials & Construction Technology.
- Concrete Technology.
- Concrete & Highway Material Testing Lab.
- Computer Aided Design & Drafting Lab.
- Building Material Testing Lab.
- Surveying Practice I & II.
- Extensive Survey Project.

PROJECTS/ DISSERTATIONS SUPERVISED:-

- Guided More than 40 students for their final year project works.
- Guided Many under Graduate students for their final year technical seminars.
- Presently Guiding M Tech students for Thesis work 2 No's.

RECEIVED BEST RESEARCH PAPER AWARDS:-

- ✚ Jain University has been awarded the “**Best Presentation Award**” in the department of Civil Engineering at the “**Research Retreat: Exploring Pathways, Unlocking ideas**” Organized by Jain University on **21st & 22nd May-1 2016**.
- ✚ Global Science & Technology Forum (GSTF) has been awarded the “**Best Research Paper Award**” For the paper called “**Development of Solid and Hollow Geopolymer Masonry Blocks**” in **4th Annual International Conference on Architectural and Civil Engineering” (ACE-2016)** held at 25-26 April, Singapore.
- ✚ Jain University has been awarded the “**Best Paper Award**” in the “**One day National Symposium and Workshop on Low Carbon Footprint Cementitious Matrix Composites**” Organized by Department of Civil Engineering, SET – Jain University, Jain Global Campus, Kanakapura in association with Indian Concrete Institute(I)-KBC and Association of Consulting Civil Engineers (I), Bangalore, India **5th April 2016**.
- ✚ Jain University has been awarded the “**Best Paper Award**” in the Faculty of **Civil Engineering** for the “**Research Retreat: Exploring Pathways, Unlocking Ideas**” held at Jain University, Bangalore- Karnataka, **31st January and 1st February 2015**.

CONFERENCE, SEMINARS AND WORKSHOPS ATTENDED:-

- ✚ Attended one day seminar on “**Concrete Mix Design Principles and Special Concretes**” Organized by RMC Ready mix (India) Bangalore, on **3rd august 2013**.
- ✚ Attended one day seminar on “**Alternatives to River Sand**”. Organized by Indian concrete institute-Karnataka Bangalore centre, on **13th December 2013**.
- ✚ Attended two day’s “**Skill Development Programme**”. Organized by Jain University, Bangalore- Karnataka, **11th and 12th July 2014**.
- ✚ Attended one day workshop on “**Inspection, Repair and Monitoring of Flyovers and Bridges**”. Organized by The Institution of Engineers (India) Karnataka state centre-Bangalore, **2nd of August-2014**.
- ✚ Participated three day’s “**International Conference on Civil Engineering**”. Organized by The Society Information processing-Bangalore and Vijaya Vittala institute of Technology-Bangalore, **21st-23rd of August-2014**.
- ✚ Attended Technical Presentation on “**Role of Cement Industry in Sustainable Construction**”. Organized by The JSW Cement in association with Association of Consulting Civil Engineers (India) Bangalore, **26th of August-2014**.

- ✦ Participated two day's "**International Conference on Recent Advances in Engineering Sciences (ICRAES-2014)**". Under Technical Education Quality Improvement Program (TEQIP-II), Organized by M.S Ramaiah Institute of Technology-Bangalore, **4th -5th of September-2014**.
- ✦ Participated and made an oral Presentation in the "**7th International Congress of environmental research (ICER-14)**". Organized by **R.V College of Engineering**, Bangalore, India in Collaboration with Journal of Environmental Research and Development, Bhopal, India from **26-28th December, 2014**.
- ✦ Participated and Presented in the "**Research Retreat: Exploring pathways, Unlocking Ideas**" held at Jain University, Bangalore- Karnataka, **31st January and 1st February 2015**.
- ✦ Jain University has been awarded the "**Best Paper Award**" in the Faculty of **Civil Engineering** for the "**Research Retreat: Exploring Pathways, Unlocking Ideas**" held at Jain University, Bangalore- Karnataka, **31st January and 1st February 2015**.
- ✦ Participated and made an oral Presentation in the "**National Conference on Recent Advancement in Infrastructural Development (RAID-2015)**". Organized by Department Of Civil Engineering, J S S Academy of Technical Education, Bangalore, Karnataka in association with Indian Concrete Institute(I)-KBC and Association of Consulting Civil Engineers (I), Bangalore, India. **25-27 March, 2015**.
- ✦ Participated and made an oral Presentation in the "**National Conference on Emerging Fields in Engineering and Sciences (EFES-2015)**". Organized by Department Of Civil Engineering, Swami Devi Dyal institute of Engineering & Technology, Panchkula, Haryana, India. **10-11th April, 2015**.
- ✦ Participated one week short term course on "**High Performance Concrete: Past, Present and Future**" Under the aegis of Technical Education Quality Improvement Program (TEQIP-II), Organized by Dr. B R Ambedkar **National Institute of Technology (NIT), Jalandhar, 15th-19th June 2015**.
- ✦ Participated & Attended "**Certified Six Sigma Green Belt**" Training under- **MSME-Technology Development Centre, Agra**. Organized by NITTE, Bangalore, India. 29th, 30th August, 5th & 6th of September-2015.
- ✦ Participated and made an oral Presentation in the "**One day National Symposium and Workshop on Low Carbon Footprint Cementitious Matrix Composites**". Organized by Department of Civil Engineering, SET – Jain University, Jain Global Campus, Kanakapura in association with Indian Concrete Institute(I)-KBC and Association of Consulting Civil Engineers (I), Bangalore, India **5th April 2016**.
- ✦ Jain University has been awarded the "**Best Paper Award**" in the "**One day National Symposium and Workshop on Low Carbon Footprint Cementitious Matrix Composites**". Organized by Department of Civil Engineering, SET – Jain University, Jain Global Campus, Kanakapura in association with Indian Concrete Institute(I)-KBC and Association of Consulting Civil Engineers (I), Bangalore, India **5th April 2016**.
- ✦ Participated and made an oral Presentation in the "**One Day National Conference on Civil Engineering (PAALAM-2K16)**". Organized by Department Of Civil Engineering, Dr. M.G.R University-Educational and Research Institute, Maduravoyal, Chennai-95 India, **11th April -2016**.
- ✦ Presented and Published in the "**4th Annual International Conference on Architectural and Civil Engineering (ACE-2016)**" by Global Science & Technology Forum (GSTF) 25 – 26 April -2016, Singapore.

- ✦ Global Science & Technology Forum (GSTF) has been awarded the “**Best Research Paper Award**” For the paper called “**Development of Solid and Hollow Geopolymer Masonry Blocks**” in 4th Annual International Conference on Architectural and Civil Engineering” (ACE-2016) held at 25-26 April, Singapore.
- ✦ Participated and made a Presentation at “**Research Retreat: Exploring Pathways, Unlocking ideas**” Organized by Jain University on 21st & 22nd May-1 2016.
- ✦ Jain University has been awarded the “**Best Presentation Award**” in the department of Civil Engineering at the “**Research Retreat: Exploring Pathways, Unlocking ideas**” Organized by Jain University on 21st & 22nd May-1 2016.
- ✦ Participated and Presented a Technical Paper Titled Called “**Development of Alkali Activated Solid and Hollow Geopolymer Masonry Blocks**” (Paper Id-264) in the “**International Conference on Advances in Materials and Manufacturing Applications**” (IConAMMA-2016) Organized by Amrita School of Engineering, Amrita Vishwa Vidyapeetam University, Bengaluru Campus on 14th – 16th July-2016.
- ✦ Participated and Presented a Technical Paper Titled Called “**Ambient Cured Alkali Activated Flyash Masonry Units**” (Paper Id-265) in the “**International Conference on Advances in Materials and Manufacturing Applications**” (IConAMMA-2016) Organized by Amrita School of Engineering, Amrita Vishwa Vidyapeetam University, Bengaluru Campus on 14th – 16th July-2016.

PUBLICATIONS:-

- ✦ Radhakrishna¹*, Tirupati Venu Madhava², G. S. Manjunath³, and K. Venugopal⁴ “**Phenomenological Model to Re-proportion the Ambient Cured Geopolymer Compressed Blocks**” *International Journal of Concrete Structures and Materials*, Vol.7, No.3, pp.193–202, September 2013.
- ✦ G. S. Manjunatha¹, Radhakrishna*, K. Venugopal² and Sasalatti Vinod Maruthi³ “**Strength characteristics of open air cured Geopolymer concrete**” *Transactions of the Indian Ceramic Society*, vol. 73, no. 2, pp. 149-156 (2014) © 2014 The Indian Ceramic Society.
- ✦ Radhakrishna¹, Sasalatti V. Maruthi², Venugopal K³, Venu Madhava Tirupati⁴ “**Phenomenological Models to Re-Proportion Alternative Binder Blocks**” *Journal of frontiers in construction engineering*, vol.3 Iss.2, pp. 37-54, Jun. 2014.
- ✦ Priyajeet Mondal¹, Radhakrishna²*, Vinod Sasalatti³ and Venugopal K⁴ “**Properties of Alkali Activated Cement Mortar and Concrete and with Cent Percent Replacement of Ingredients**” *Journal of Civil Engineering Technology and Research*, Vol 2, No. 1 (2014), pp. 119-128.
- ✦ Manjunatha G. S., Radhakrishna, Varuna Koti & Venugopal K “**Strength and Durability Performance of Open Air Cured Alkali Activated Concrete**” *Journal of Civil Engineering Technology and Research*, Volume 2, Number. 1 (2014), pp. 147-157.
- ✦ Venugopal K, Radhakrishna*, Vinod Sasalatti, and Venumadhav T “**Study on Geopolymer masonry as sustainable building material**” *Journal of Environmental Research and Development (JERAD)*, India. Vol.9 No.3A, January-March 2015. Pp.925-932

- ✦ **Venugopal K**, Radhakrishna, J. Raju, M. A. Dar “**Properties and Application of Geopolymer Masonry Units**” *International Journal of Civil Engineering (IJCE Special Issue-EFES Part-2) ISSN-2348-8352, (April-2015) pp-117-119, India*
- ✦ Radhakrishna, Praveen Kumar K, **Venugopal K** and Vinod Sasalatti “**Characteristics of Alternative building materials**” *International Conference on Food Nutrition and Civil Engineering (ICFNCE’2015) March 14-15, 2015 Dubai (UAE).*
- ✦ **Venugopal K** and Radhakrishna “**Development of Solid and Hollow Geopolymer Masonry Blocks**” 4th Annual International Conference on Architectural and Civil Engineering (ACE-2016) published by Global Science & Technology Forum (GSTF) ISSN 2301-394X, Doi: 10.5176/2301-394x_ACE16.136, April 25-26, 2016 Singapore (UAE).
- ✦ **Venugopal K**, Radhakrishna and Vinod Sasalatti “**Properties of Geopolymer Building Masonry Blocks**” International conference on Asian role in Sustainable world Development. Proceeding of The 1st Asian Researcher Symposium, pp 388-396. Universitas Indonesia 25 – 27 April 2016.
- ✦ **Venugopal K** and Radhakrishna “**Air Cured Alkali Activated Flyash Masonry Units**” *International Journal of Research in Engineering and Technology (IJRET)*. eISSN: 2319-1163 pISSN: 2321-7308, Volume: 05 Issue: 06, pp 11-15, Jun-2016.
- ✦ **Venugopal K** and Radhakrishna “**Sustainable Units for Structural Masonry**” *Indian Journal of Science & Technology* (Scopus & Thomson Reuters “Web of Science” Indexed Journal). ISSN (Print):0974-6846, ISSN (online):0974-5645, Vol 9(25), pp 1-7, July-2016.
- ✦ **Venugopal K** and Radhakrishna “**Structural Behavior of Geopolymer Masonry**” *Indian Journal of Science & Technology* (Scopus & Thomson Reuters “Web of Science” Indexed Journal). ISSN (Print):0974-6846, ISSN (online):0974-5645, Vol 9(25), pp 1-7, July-2016.
- ✦ **Venugopal K** and Radhakrishna “**Development of Solid and Hollow Geopolymer Masonry Blocks**” *Journal of Engineering and Technology*. (Scopus Indexed Journal & Science Direct Indexed Journal). ISSN (Print):2251-3701, ISSN (online):2251-371X, Vol 4, Issue-1, pp 65-71, Aug-2016.
- ✦ **Venugopal K**, Radhakrishna and Vinod Sasalatti “**Development of Alkali Activated Solid and Hollow Geopolymer Masonry Blocks**” *IOP Conf. Series-Materials Science and Engineering*. (Scopus Indexed Journal). 149 (2016) 012072, pp 1-12, doi:10.1088/1757-899X/149/1/012072.
- ✦ **Venugopal K**, Radhakrishna and Vinod Sasalatti “**Ambient Cured Alkali Activated Flyash Masonry Units**” *IOP Conf. Series-Materials Science and Engineering*. (Scopus Indexed Journal). 149 (2016) pp 1-8, 012073, doi:10.1088/1757-899X/149/1/012073.
- ✦ Presently working on two more International Journal Papers.