

# Mrs. K Krishna Bhavani Siram

## Assistant Professor



**Education Qualifications:** M.Tech (PhD)  
**Specialization:** Computer Aided Structural Engineering (CASE)

### ADDRESS:

- E- Block-Room No.104  
(Faculty Room - 5)

### JNTUH ID:

06150402-154453

### EMAIL:

[skbhavani\\_civil@mgit.ac.in](mailto:skbhavani_civil@mgit.ac.in)

### DATE OF JOINING:

03-10-2012

### EXPERIENCE - 15 Years

- Teaching -11
- Industry -4

### SUMMARY:

- Publications - 15
- Conferences - 2
- Honors/Awards - 1

### EVENTS:

- Organized - 02
- Attended - 29

### Membership of Professional Bodies:

- Member of Institute of Engineers (M-1688787)

### Responsibilities Held at Institution Level:

- Member in Ranking and Accreditation committee
- Convenor for NIRVANA 2020
- Student Bus In-charge for Route No. 22
- Performed anti-ragging duties

### Responsibilities Held at Department Level:

- Member of Student dress code monitoring committee
- Organised events such as Poster presentation every year in CINFRA
- Convenor for student technical fest CINFRA'14
- Student Mentor

### Honors/Awards Received:

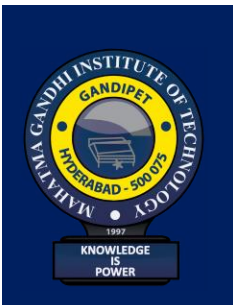
- Certified by Dale Carnegie & Associates for successful completion of workshop on "High Impact Presentation Skills"

### Courses Handled at Under Graduate /Post Graduate Level:

- UG:** Design of Reinforced Concrete Structures, Design of Steel Structures, Concrete Technology, Estimation & Costing, Strength of Materials-I and II, Structural Analysis - I, Prestressed Concrete Structures, Transportation Engineering I & II
- PG:** Advanced Concrete Technology, Prestressed Concrete Structures

### Publications:

- K Krishna Bhavani Siram, Dhanya Sathyan, "Geopolymer Aggregate Concrete: A review from fundamentals to developments" IOP Conf. Series: Earth and Environmental Science 982 (2022) 012017, doi:10.1088/1755-1315/982/1/012017 (SCOPUS)
- Malavathu Prasanna Lakshmi, K Krishna Bhavani Siram, "Seismic Evaluation and Retrofitting of building with rooftop telecommunication tower" Dogo Rangsang Research Journal, ISSN:2347-7180, Volume-12, Issue 02, No.02, 2022 pp 27-34 (UGC CARE-1)
- Muhammad Nabeel Imtiyaz, K Krishna Bhavani Siram, "Analysis of Multi Tube-In -Tube System using ETABS" Dogo Rangsang Research Journal, ISSN:2347-7180, Volume-12, Issue 02, No.02, 2022 pp 11-20 (UGC CARE-1)
- Mohammed Moinuddin Ahmed, K Krishna Bhavani Siram, "Effect of infill walls in structural response of R.C.C. framed structures for different plan configuration" Dogo Rangsang Research Journal, ISSN:2347-7180, Volume-12, Issue 02, No.02, 2022 pp 35-49 (UGC CARE-1)
- K Krishna Bhavani Siram, "Evaluation of Compressive Strength of Blended Foamed Concrete" Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 8, Issue 6, June 2021 pp. 104-106 (UGC)



6. K Krishna Bhavani Siram, Polusani Sharada “Assessment of Nano silica effects on Self-Compacting Concrete”, Design Engineering, Issue 6, 2021, pp. 495-505 (SCOPUS)
7. Sharada Polusani, K Krishna Bhavani Siram, “Effect of Chlorides and Sulphates on ESP-GGBS based alkali activated concrete at different molarities” Turkish Journal of Computer and Mathematics Education, Vol 12, 2021, pp.3850-3856 (SCOPUS)
8. K Krishna Bhavani Siram, “Operation of Roller Compacted Concrete in Pavements”, International Journal of Current Engineering and Scientific Research (IJCESR), Volume-8, Issue-6, 2021, pp.82-85
9. K Krishna Bhavani Siram, “Recycled Glass Powder replaces Fine Aggregate – Effect on Compressive Strength” International Journal of Engineering Research and Applications, Vol. 10, Issue 6, (Series-V) June 2020, pp. 29-31
10. K Krishna Bhavani Siram, “Glass Powder and Flyash replacing cement for Sustainable Concrete” International Journal of Engineering Research and Applications, Vol. 10, Issue 6, (Series-VI) June 2020, pp. 11-13
11. V.Venkat Ramayya, K. Krishna Bhavani Siram , K.V.Ramana Reddy , K.V.Krishna Reddy, R.Abhishek “Analysis of multi-storey building frames for lateral loads using Portal Method –A Critical Review” Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 5, Issue 4, April 2018 pp. 650-656
12. Chitturi Sravanti, CM Sreeparvathy, Krishna Bhavani Siram, “Effect of Glass Fibres on Strength of High Strength Self Compacting Concrete”, Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 5, Issue 2, Feb 2018
13. K Krishna Bhavani Siram, “Foam Concrete –The Present Generation’s Building Solution” International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD), Vol. 3, Issue 4, Oct 2013, 59-62
14. K Krishna Bhavani Siram, “CONCRETE + GREEN = FOAM CONCRETE” International Journal of Civil Engineering and Technology (IJCIET), Volume 4, Issue 4, July-August 2013, pp. 179-184
15. K Krishna Bhavani Siram, “Cellular Light-Weight Concrete Blocks as a Replacement of Burnt Clay Bricks”, International Journal of Engineering and Advanced Technology (IJEAT), Volume-2, Issue-2, December 2012, pp. 149-151

#### Conferences:

1. K Krishna Bhavani Siram “Comparison of IS:10262-1982 & IS:10262-2009” in National Conference on New Trends in Civil Engineering & Earth Sciences (NTCE-2013) organized by Department of Civil Engineering, Vasavi College of Engineering, Hyderabad during 5-6 February, 2013.
2. K Krishna Bhavani Siram “Role of NDT in the computation and assessment of Natural Disasters” in an International Conference on Natural Hazards and Disaster Management (IC-NHDM) organized by Department of Civil Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad during 12-14 December, 2007.

#### Events Organized:

##### Conferences:

1. CONVENOR for National Conference on “Innovations in Civil Engineering through Sustainable Technologies (NICEST’18)” organised by Civil Engineering Department, Mahatma Gandhi Institute of Technology, held from Feb 16th and 17th, 2018 at FTAPPCCI

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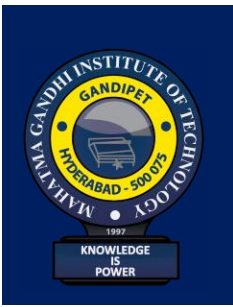
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#### Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. COORDINATOR for “National Webinar on Deep Excavations in Urban Environment - Challenges & Solutions” organised by Civil Engineering Department, Mahatma Gandhi Institute of Technology, held on 22nd Jul, 2020

#### Events Attended:

#### FDPs/STTPs:

1. One-Week Online Short Term Training Program on “Recycling Materials in Highway Construction” from 23rd to 28th August 2021 (1 week) organized by Indo Global College of Engineering, Abhipur, New Chandigarh.
2. One Week Online International Faculty Development Programme on "Advanced Methodologies for Contemporary Research"- A Pragmatic Approach from 16th to 23rd August 2021 (1 week) organized by Government Ramnarayan Chellaram College of Commerce and Management, Bengaluru
3. One-Week Online Short Term Training Program on “Water Quality Compilation, Restoration and Environmental Conservation of Existing Water Bodies” Module 1 from 02nd to 07th August 2021 (1 week) organized by Civil Engineering Department, IPS Academy, Institute of Engineering and Science, Indore.
4. One Week Online Faculty Development Programme on “Futuristic Trends in Civil Engineering” from 26th to 31st July 2021 (1 week) organized by New Horizon College of Engineering, Bengaluru
5. One Week Faculty Development Programme on “Innovative Technology in Civil Engineering” from 12th to 19th May 2021 (1 week) organized by Easwari Engineering College, Chennai
6. One Week Online Faculty Development Programme on “Innovations in Civil Engineering” from 22nd to 27th March, 2021 (1 week) organized by Gudlavalleru Engineering College
7. One-Week International Webinar/FDP on “Relevance of Mathematics to Core Engineering Sciences” from 12 to 16 October 2020 (1 week) organized by Mahatma Gandhi Institute of Technology, Hyderabad
8. One-Week Online Short Term Training Program on “Emerging tools for design and Analysis of Sustainable Roads (ETDASR-2020)” from 27 July 2020 to 01 August 2020 (1 week) organized by VNRVJIEET, Hyderabad
9. One Week Online Faculty Development Programme on “Research Advances in Civil Engineering” from 03rd to 07th August 2020 (1 week) organized by Mahatma Gandhi Institute of Technology, Hyderabad
10. One Week Online Faculty Development Programme on “Advances in Sustainable Construction Engineering (ASCE)” from 13th to 18th July 2020 organized by the Department of Civil Engineering, Kakatiya Institute of Technology & Science, Warangal (KITSW).
11. One week short term training & faculty development program on Recent Advancements in Civil Engineering: Challenges and Future Perspectives-Part II from 22-06-2020 to 27-06-2020 (1 week) organized by Shri Vishnu Engineering college for Women in collaboration with Indian Concrete Institute
12. One week FDP on Emerging Technologies in Civil Engineering from 01-06-2020 to 06-06-2020 (1 week) organized by JB Institute of Engineering and Technology
13. Faculty Development Program on SCILAB-An Open Source Substitute for MATLAB from 25-05-2020 to 30-05-2020 (1 week) organized by JNTUH college of Engg., Sultanpur & Spoken Tutorial Project, IIT Bombay
14. Online Faculty Development Program on Recent Advances in Civil Engineering – 2020 from 20-05-2020 to 22-05-2020 (3 days) organized by CMR Institute of Technology

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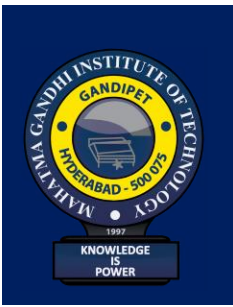
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15. One week FDP on Recent Avenues in Civil Engineering (RACE-2020) from 11-05-2020 to 16-05-2020 (1 week) organized by Narsimha Reddy Engg. College, Kompally, Hyderabad
16. FDP on Outcome Based Education on 01-05-2020 (1 day) organized by InPods Ed-tech

#### Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Workshop on “Advancements in Civil Engineering” on 09-06-2021 organized by Mahatma Gandhi Institute of Technology
2. Webinar on Geopolymer Concrete on 09-04-2021 organized by Indian Concrete Institute, Chennai Centre
3. Webinar on Effective writing of proposals for research grants on 13-03-2021 organized by Mohammed Sathak Engineering College
4. Webinar on Awareness webinar on Outcome Based Education and Accreditation on 25-11-2020 organized by National Board of Accreditation in association with JNTUH
5. Workshop on “Construction Projects Management with Innovative Tools & Techniques” on 10rd August 2020 organized by SRM Institute of Science & Technology, Chennai
6. Webinar on Advances in GIS on 10-06-2020 organized by Mahatma Gandhi Institute of Technology
7. Webinar on Advances in Remote Sensing on 09-06-2020 organized by Mahatma Gandhi Institute of Technology
8. Webinar Series - Foundation design-SAFE Software on 19-05-2020 organized by KL University
9. Webinar Series - Magnetic Survey of Meteoritic Impact Craters on 18-05-2020 organized by KL University
10. Webinar on Achieving Sustainable Concrete through use of Mineral Admixtures on 08-05-2020 organized by ICI in association with JSW Cement Limited
11. Webinar on Design of Steel Compression Members on 08-05-2020 organized by DhanaLakshmi Srinivasan College of Engineering, Coimbatore
12. Webinar on Construction Technologies Post-COVID19 on 07-05-2020 organized by Fuji Silvertch Concrete
13. Webinar on Scopus Improving Outcomes & Getting Global Perspective on 30-04-2020 organized by BrightTALK

#### Online Certifications:

1. “Design of Reinforced Concrete Structures” from Sep 2020 to Dec 2020 (12 weeks) organized by Indian Institute of Technology, Kharagpur towards NPTEL certification
2. “Foundations of Virtual Instruction” from 04-05-2020 to 07-06-2020 (5 weeks) organized by University of California, Irvine towards COURSERA certification
3. “Maintenance and Repair of Concrete Structures” from 27-01-2020 to 19-04-2020 (12 weeks) organized by Indian Institute of Technology, Madras towards NPTEL certification
4. “Hydration, Porosity & Strength of Cementitious Materials”, from Jan 2019-Mar 2019 (8 weeks) organized by Indian Institute of Technology, Kanpur towards NPTEL certification

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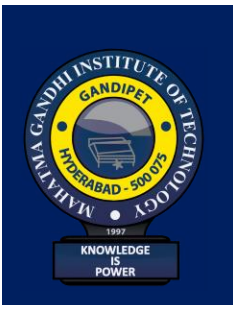
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### Any Other Contribution:

1. Participated and contributed towards distribution of essentials and food at SOS Children's villages and Basavatarakam Indo American Cancer Hospital from 5th to 8th March 2021, organized by Women Development Committee, MGIT, Hyderabad.
2. Participated in "47th Orientation Course" organized from 08-05-2017 to 03-06-2017, organized by the UGC Human Resource Development Centre, JNT University Hyderabad.

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