

Research Papers Published

1. L.N.K. Sai Madupu, Dr. N.V. Sairam Kumar, B.Krishna Chaithanya, R.Vaishnav Kumar “Evaluation of mechanical and flow properties of Crimped steel fiber in self compacting concrete” Materials Today: Proceedings, ISSN:2214-7853, 2021, 45, pp. 4835–4840 (Scopus indexed)
2. **LNK Sai Madupu**, KS Sai Ram, “Performance of axially loaded reinforced concrete rectangular columns strengthened with GFRP strips”,December 2020, Materials Today: Proceedings. (Scopus indexed)
3. **LNK Sai Madupu**, KS Sai Ram, “Strengthening of Axially Loaded Reinforced Concrete Rectangular Columns with GFRP Strips”, Materials Today: Proceedings, 18, 3758-3765,2019. (Scopus indexed)
4. K Srinivasu, **MLN Krishna Sai**, NVS Kumar, “A review on use of metakaolin in cement mortar and concrete”, International journal of innovative research in science, engineering and technology, 14697-14701, Vol. 3, Issue 7, 2014.
5. N Venkata, PB Rao, **MLN Krishna sai**, Experimental study on partial replacement of cement with quarry dust, International Journal of Advanced Engineering Research and Studies,136-137, Vol. 2, Issue 3, 2013.
6. **LNK SAI Madupu**, Banavath Venkateswarlu Naik, ”Effect Of Basalt Fibre Reinforced Polymer (Bfrp) Sticking On Load Carrying Capacity Of Columns” International Journal of Management, Technology And Engineering, 4126-4132, Vol. 9,Issue VI, 2019.
7. **LNK SAI Madupu**, Kaja Venkata Sudeep Kumar Reddy, “Effect Of Carbon Fiber Reinforced Polymer (Cfrp) Sticking On Load Carrying Capacity Of Columns” Journal of Applied Science and Computations 6 (6), 3131-3137,2019.
8. **LNK SAI Madupu**, Bommasani Yellamandarao, “Ffect Of Gfrp Strip Sticking On Load Carrying Capacity Of Columns” International Journal of Research 8 (6), 4918-4922,2019.
9. **MLN Krishna Sai**, D.V.Naresh Kumar, “A Study On Flow Properties Of Hybrid Fibre Reinforced Self Compacting Concrete” International Journal Of Scientific Research, 6 (2), 19-21, 2017.
10. **M.L.N. Krishna Sai**, N.V.Sairam Kumar , S.V.Satyanarayana " Influence of Reinforced concrete shear wall on Multi stories buildings" in IJERST, 2 (8) August 2013, PP.2055-2060].
11. **MLN Krishna Sai**, B Anki Reddy, “A Study on Repair Materials and Mesh Bonding Techniques Used To Repair Concrete Beams Failed In Flexure” International Journal of Engineering Research and Application 5 (5), 84-87,2015.

Workshops/Training Programs/Seminars/Conferences Attended

1. A Two day Seminar on “**Global Trends in Design and Construction of Concrete Structures**“, 14-15 Feb, 2002. Organized by The Institution of Engineers (India) and L & T Limited.

2. A National Conference on **“Corrective Engineering Practices in Troublesome Soils”** 8-9 July 2006. Organized by Department of Civil Engineering JNTU Kakinada & IGS, Kakinada Chapter
3. A Three day training program on **“Repair, Rehabilitation and Retrofitting of Buildings”** 8-19 may, 2006 organized by Engineering Staff College of India, Hyderabad.
4. One day workshop on **“Earthquake Resistant Structures”** 3rd, Feb 2007, Organized by Department of Civil Engineering, RVR & JC College of Engineering, Guntur.
5. Four weeks short term course on **“Earthquake Risk Management”** under NPCBEERM, Sponsored by Ministry of Home Affairs, Govt. of India. 3-29 Nov 2008, organized by the Department of Earthquake Engineering, IIT Roorkee.
6. One week short term training program on **“Basics of Matrix and Finite Element Analysis of Structures”** 5-10 Oct 2009, organized by Department of Civil Engineering, IIT Madras.
7. A Three day workshop on **“Seismic Resistant Design of Buildings using STRUDS”** 7-9 Feb 2011, Organized by Department of Civil Engineering, KL University and Softtech Engineers Pvt. Ltd., Hyderabad.
8. A Two day TEQIP sponsored winter school on **“Recent advances in structural engineering and materials”** organized by IIT Hyderabad, 14-15, Jan, 2015.
9. A Two day workshop on **“Precast Construction Practices in India”** 12-13 Feb 2016, Organized by ICI, Chennai Centre and IITM, Chennai.
10. A Five-Day FIP on **“Revit Structures”** RVR&JC College of Engineering, Guntur, 24-28 October, 2016.
11. A Three-Day FIP on **“Structural Analysis using ETABS”**, RVR&JC College of Engineering, Guntur, 20-22 November, 2019.
12. A one week STTP on **“Introduction to Structural Engineering”** IIT K, Kharagpur, 04-09, Jan 2006 27–31, 2020.
13. A Five-Day online FDP **“Recent trends and innovations in civil engineering”**, Department of Civil Engineering, Dr Lanakapalli Bullayya College of Engineering for Women, Visakhapatnam. July 27–31, 2020.
14. L.N.K. Sai Madupu, AICTE sponsored One week online STTP **“Repair, Rehabilitation and Retrofitting Techniques of Reinforced Concrete Structures PhaseIII”**, Department of Civil Engineering, Srinivasa Ramanujan Institute of Technology, Ananthapuramu, June 28–July 03, 2021.
15. L.N.K. Sai Madupu, Dr. N.V. Sairam Kumar, B.Krishna Chaithanya, R.Vaishnav Kumar **“Evaluation of mechanical and flow properties of Crimped steel fiber in self compacting concrete”** International conference on Aspects of Materials science and Engineering, Punjab University, Chandigarh March 05–06, 2021.
16. L.N.K. Sai Madupu, J. Rohan Reddy, **“Experimental Study Of Flexural Strength Properties Of R.C Beams Strengthened And Repaired With FRP”**, Advances in Civil Engineering (ICACE2021), K.L. University, Vaddeswaram, June 25-26, 2021
17. L.N.K. Sai Madupu, J. Vijendra, **“The flow properties of SCC with marble waste powder as a partial substitute for cement”**, International Conference on sustainable approach for Resilient Infrastructure (IC-SAFRI 2021), C.B.I.T, Hyderabad, June 26-27, 2021.

18. L.N.K. Sai Madupu, O. Ankammaraju, “To study on properties of concrete having aloevera and marble waste powder as a cement replacement”, International Conference on sustainable approach for Resilient Infrastructure (IC-SAFRI 2021), C.B.I.T, Hyderabad, June 26-27, 2021

Conferences/ Workshops/Webinars/STTP/FDPs Organized

1. Dr. M.Ramarao, **M.L.N. Krishna sai**, Dr. N. Venkata Sairam Kumar, webinar “Ways to improve sustainability in construction sites” Department of Civil Engineering, in association with ICI student chapter (resource person is Dr. Prakash Nanthagopalan, Associate Professor, Department of Civil Engineering, IIT-Bombay, 20th July, 2020.
2. Dr. M.Ramarao, **M.L.N. Krishna sai**, Dr. N. Venkata Sairam Kumar, webinar “Quality assurance in reinforcement steel and concrete” Department of Civil Engineering, in association with ICI student chapter (resource person is Er. D. V. Bhavanna Rao, Former Chief Engineer, Roads and Building Department, Andhra Pradesh), July 10, 2020.
3. Dr. M.Ramarao, **M.L.N. Krishna sai**, Dr. N. Venkata Sairam Kumar, webinar “earthquake resistant design of structures-basic concepts” by the Department of Civil Engineering, in association with ICI student chapter (resource person is Dr. Kalyana Rama J.S, Professor, Department of Civil Engineering, Vignana Bharati Institute of Technology, Hyderabad), July 16, 2020
4. K. S. Sai Ram, **M. L. N. Krishna Sai**, N. Venkata Sairam Kumar, R. Vaishnav Kumar, AICTE sponsored one-week online STTP phase-I “Repair and rehabilitation of structures” Department of Civil Engineering, R.V.R & J.C College of Engineering, Guntur (resource persons: Dr. Bishwajit Bhattacharjee, Professor, IIT Delhi; Dr. K. S. Nanjunda Rao, Chief Research Scientist, IISC Bangalore; Dr. Sudhir Misra, Professor, IIT Kanpur; Hemandra Singh, Head of Application Management and RPSM-Expansion Control System-Asia Pacific, Master Builders Solutions, Mumbai; Sunny Surlekar, Head Technical Services, Access Build Chem Pvt Ltd; Dr. Rama Mohan Rao Pannem, Associate Professor, VIT-Vellore; Ajith Kumar S M, Managing Director, Shubam Techno Build (India) Pvt Ltd; Vijay B Kulkarni, Product Segment Manager-Grout, Repairs and Protective Coatings, Fosroc India, Bangalore; Sunil R K, CEO, 3E-Services, Bangalore; Kaizad, Technical Director, Ushta Infinity Cons Co. Pvt. Ltd.) , Nov. 16–21, 2020.
5. K. S. Sai Ram, **M. L. N. Krishna Sai**, N. Venkata Sairam Kumar, B.Krishna Chaithanya, AICTE sponsored one-week online STTP phase-II “Repair and rehabilitation of structures” Department of Civil Engineering, R.V.R & J.C College of Engineering, Guntur (resource persons: Dr. Tejaswini Nikhil Bhagwat, Associate Professor, University B.D.T College of Engineering; Samir Surlekar, Director, Assess Build Chem Pvt. Ltd; Zaheer Abbas, General Manager, Marketing & Construction Systems, MBCC Group; Anurag Sinha, Head Structural Division, Engineers India Ltd; Sachin Chugh, Technical Manager, Engineering Refurbishment APAC, Sika India Pvt. Ltd; Sudarshan S Iyengar, Senior Director, Stedrant Technoclinic Pvt Ltd; Sunil V Mane, Retd. Chief Engineer, Military Engineering Services, India; Kaizad, Technical Director, Ushta Infinity Cons Co. Pvt. Ltd; Dr. N. Venkata Sairam Kumar, Assistant Professor, R.V.R & J.C College of Engineering), Nov. 30–Dec. 05, 2020.

Lectures Delivered

1. Delivered a lecture on “ **Repair and Rehabilitation of Structures**” for the benefit of field Engineers , Jan 2004, Organized by Licensed Engineers Association, Guntur.

2. Delivered a lecture in a two day workshop on “**Advances in Concrete Technology and Rehabilitation of Structures**” 27-28, Feb 2004, Organized by Department of Civil Engineering, RVR & JC College of Engineering, Guntur.
3. Delivered a lecture on “**Concrete and Mix Proportioning**” on the eve of Engineers Day, Sep 2010.

Professional Memberships

1. Member Institution of Engineers
2. Member Institution of Valuers
3. Member Indian Society for Technical Education
4. Member Indian Geo-technical Society
5. Member Indian Concrete Institution

Area of interest

1. FRP Composites
2. Repair and Rehabilitation of concrete structures
3. Earthquake Resistant Design of Structures
4. Structural Analysis
5. Design of RC structures
6. Self Compacting Concrete
7. Utilization of industrial waste as concrete making material

Projects Guided

Guided 12 PG and 26 UG Projects.