

PROFESSIONAL SOCIETIES

- ☞ Life Member - Indian Society for Technical Education (ISTE)
- ☞ Life Member - Indian Geotechnical Society (IGS)
- ☞ Life Member - Indian Society for Earthquake Technology (ISET)

ACADEMIC ACHIEVEMENTS

- ❖ Completed “Pre-Commissioned Course” (PRCN Course SW-106 & DC SW-77) at Officers Training Academy (OTA), Gwalior, Madhya Pradesh and commissioned as **LIEUTENANT**.

FACULTY DEVELOPMENT PROGRAMMES

- ✓ J.UshaKranti, Dr. M. Rama Rao, Assistant professor attended workshop on “Problems in Earthquake prone Areas and Remedies (PREPARE)” Organized by IGS-Guntur Chapter and Vignana University at Vignana University on 23rd February 2013.
- ✓ P.Ch.Sanjeeva Rao, Professor and J.UshaKranti Assistant Technical paper on “Earth quake Resistant Design of Multistoried building on Plane ground and Sloped ground-A Comparative study” in national conference on “recent advances in structural engineering (RASE)” organised by Osmania University, Hyderabad during 12-14 September 2013, PP:242-246.
- ✓ J. Usha Kranti, attended national workshop on “Nano Technology- A fuel for chemical Industry (NTFC)” organized by R.V.R & J.C College of Engineering, Chowdavaram, Guntur, during 20-21 September 2013.
- ✓ J. Usha Kranti, attended a two day National level workshop on ‘Computational mechanics’ was organized by the dept. of Civil Engineering Department, during 15th and 16th July 2014.
- ✓ J.UshaKranti, Assistant professor attended workshop on “Outcome based Engineering Education” Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.
- ✓ J.UshaKranti, Assistant professor attended one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014.
- ✓ J.UshaKranti, P.Srilakshmi, attended a National Seminar on ‘Conjunctive use of Surface Water in Major and Medium Irrigation Projects’ organized by Department of Civil Engineering V.R Siddhardtha Engineering College, Vijayawada and Water Resources Department of Andhra Pradesh, during 11-12 February 2016.
- ✓ J.UshaKranti, attended 5 day Skill Development Programme on ‘RIVET Structures’ organized by AP State Skill Development Centre (APSSDC), at RVR & JC College of Engineering, during 24-28 October, 2016.
- ✓ Dr. K.Srinivasu and J.UshaKranti, attended a National Conference on “Study on Properties of Copper Slag as Partial Replacement of Fine Aggregate with different Percentages in Concrete” organized by Structural Engineering Convention 2016 (SEC2016), 21-23 December, 2016.
- ✓ J.UshaKranti, Dr.K.Srinivasu and Dr.T.Chandrasekhar Rao, attended Two day National Conference (ASCM-2019) on “An experimental study on durability properties of normal grade concrete containing Copper slag as a fine aggregate” during March 15 & 16, 2019.

- ✓ J. Usha Kranti, attended a Workshop on 'ETABS (Extended Three-dimensional Analysis of Building Systems)' on', organized by RVR&JC College Engineering College, Guntur, November 20-22, 2019.
- ✓ J. Usha Kranti, one day National seminar "Emerging Trends in Civil Engineering (ETCE-2020)", Department of Civil Engineering, Dr. Y.S.R. A.N.U. College of Engineering & Technology, Acharya Nagarjuna University, Guntur, February 26th, 2020.
- ✓ J. Usha Kranti, one week faculty development program (online) "Civil Engineering Research - A Step Forward", Department of Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru, May. 25-30, 2020.
- ✓ J. Usha Kranti, one day Webinar on "Computer Applications In Structural Engineering" Department of Civil Engineering, NRI Institute Of Technology, Guntur, June 5th, 2020.
- ✓ J. Usha Kranti, one day Webinar on "Time for Nature – Biodiversity & Governance" Department of Civil Engineering, Anil Neerukonda Institute of Technology & Sciences (A), Visakhapatnam, AP, on the occasion of World Environment Day 2020, June 6th, 2020.
- ✓ J. Usha Kranti, one day Webinar on "Low carbon concretes – sustainable construction material" Civil Engineering Department, Bapatla Engineering College, Bapatla, 08.06.2020.
- ✓ J. Usha Kranti and P.Ch.Sanjeeva Rao, "Study on strength of concrete by partial replacement of fine aggregate by copper slag" International Conference on Recent Development in Sustainable Infrastructures: Research and Practices (ICRDSI-2020), School of Civil Engineering, Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar, Odisha, India, Dec. 19–21, 2020.
- ✓ J. Usha Kranti, five-day online FDP, 'Recent research trends in civil engineering', National Institute of Technology, Puducherry, May 24–28, 2021.

GUIDANCE

No of M.Tech Students guided: 12

RESEARCH PAPERS PUBLISHED (JOURNALS/CONFERENCES)

- 01) **J. Usha Kranti**, Dr. P.Ch.Sanjeeva Rao, and P.Samatha Chowdary, "Cost Benefit analysis of an Eco-Friendly Auditorium over a Normal Auditorium", IJERST, 2 (8) September 2013, PP.2393-2399.
- 02) **J. Usha Kranti**, VenkataSairamkumar.N, S.V.Satyanarayana, "Seismic Behavior of multistorey buildings", International Journal of Engineering Research and Applications., vol.3, Issue 4, Jul- Aug 2013, pp.2076-2079.
- 03) **J. Usha Kranti**, N.V.Sairam Kumar, R.Surendrababu "Shear Walls A review", IJIRSET, Vol. 3, Issue 2, Feb 2014, PP.9691-9694.
- 04) **J. Usha Kranti** and K.Srinivasu, A.Naga Sai "A Study on compressive strength properties and effects of copper slag as partial replacement of fine aggregate in concrete", ELK Asia Pacific Journals – Special Issue ISBN: 978-81-930411-5-4, 2015.
- 05) **J. Usha Kranti**, R.Surendrababu and K.Srinivasu, A study on Matlab Programme for the Analysis of continuous beams by Moment Distribution Method, ELK ASIA Pacific Journals, 2016, Special Issue, 93-98.
- 06) **J. Usha Kranti** "A Study on non destructive tests of concrete with different grades copper slag as

replacement of fine aggregate”, International Journal of Engineering Research & Technology, ISSN: 2278-0181, Vol. 6, Issue 06, June – 2017.

- 07) **J.UshaKranti** and K.Srinivasu, A.Naga Sai “Comparison of the replacement of natural sand by copper slag on the properties of concrete(M30 & M40), International Journal for Research in Engineering Application and Management, International Multidisciplinary Conference on Knowledge Sharing, Technological Advancements and Sustainable Development (IMC2k18).
- 08) **J.UshaKranti** and K.Srinivasu, A.Naga Sai “A Comprehensive study on mechanical properties of nominal grade concrete using copper slag as partial replacement to fine aggregate, International Journal of Engineering & Technology(Scopus Indexed),Vol.7 (2.23), (2018), pp: 443-445.
- 09) **J.UshaKranti** and K.Srinivasu, P.Ch.SanjeevaRao “Experimental work on structural elements of concrete by the replacement of copper slag with fine aggregate”,International Journal of Recent Technology and Engineering (Scopus Indexed), ISSN: 2277- 3878, Vol-7 Issue-6, March2019, pp: 1950-1955.
- 10) **J.UshaKranti** and K.Srinivasu, “An Experimental Study on durability properties of normal grade concrete containing Copper slag as a fine aggregate”, Jour of Adv Research in Dynamical & Control Systems, 2019, Vol. 11, No. 5, 327-334.
- 11) **J.UshaKranti** and K.Yasoda, “Performance Of Copper Slag On Strength And Durabilityproperties As Partial Replacement Of Fine Aggregate In Concrete (M40)”, International Journal of Research, Volume VIII, Issue VI, JUNE/2019, ISSN NO: 2236-6124, 4901-4907.
- 12) **J.UshaKranti**, K.Gopinath and K.Srinivasu, “ A study on Influence of quarry dust on behaviour of self compacting concrete”, International Journal of Engineering Research and Applications 2019, Vol.9, Issue 8, 32-40.
- 13) **J. UshaKranti**, A. Naga Sai, A. Rama Krishna and K. Srinivasu “An experimental investigation on effect of durability on strength properties of M40 grade concrete with partial replacement of sand with copper slag” Materials Today: Proceedings, Nov. 9, 2020. <https://doi.org/10.1016/j.matpr.2020.09.767>.
- 14) **J. Usha Kranti**, K Chanakya Srinivas, “A comparative study of compressive strength and split tensile strength on effect of size of coarse aggregate in hybrid fiber reinforced concrete with different grades” International Journal of Advanced Engineering and Technology, Volume 4, Issue 2, Page No. 32-35, 2020.
- 15) **J. Usha Kranti**, N Venkata Sai Manikanta, “Experimental analysis of steel slag concrete under the influence of micro silica and determination of strength characteristics” International Journal of Advanced Engineering and Technology, Volume 4, Issue 2, Page No. 27-31, 2020.
- 16) **J. Usha Kranti**, A.Naga Sai “An experimental investigation on effect of durability on strength properties of M40 grade concrete with partial replacement of sand with copper slag” Materials Today: Proceedings, Volume 43, Part 2, Pages 1626-1633.

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