

Name of Faculty	Dr. C. Ravi Kumar Reddy
Designation	Professor
Nature of Job/Appointment	Regular
Date of Joining	21 – 08 -2023
E-mail	ravikumarreddyc_civil@cbit.ac.in



Education Qualifications

	Name of the Degree	Class
Ph. D (NITW)	Civil (Structural Engineering)	Awarded
PG	M.E(Structural Engineering)	First
UG	B.Tech(Civil)	First

Work Experience

Teaching	19 Years
Research	9 years
Industry	1 years
Others	--

Area of Specialization Structural Engineering

Professional Memberships

1. IEI Life Membership No. AM095192-5;
2. Life Member of Indian Society of Technical Education-LM 42519
3. Pre-engineered structures society of India (PSI) LM- 202-IM

Responsibilities held at Institution Level

1. Academic council member for Academic council of K L University, 2014-2016
2. Member of the committee for Outcome Based Education (ABET), K L University, 2014-2016
3. NBA Coordinator (College level), KHIT (During A.Y. 2017-18)
4. NBA Coordinator (College level), KHIT (During A.Y. 2021-22)

Responsibilities held at Department Level

1. Research group head for Structural Engineering Research Group, Department of Civil Engineering, K L University, 2014-2016
2. Faculty In-charge for Structural Engineering Program in Civil Engineering Department, K L University, 2014-2016
3. HoD, Civil Engineering Department, K L University (09-10-2015 to 17-02-2016)
4. NAAC Coordinator (Dept. level), KHIT (During A.Y. 2016-17)
5. HoD, Civil Engineering Department, KHIT (12-10-2017 to 03-01-2022)

Research Guidance 05 (ongoing) తేజస్విన్ భవ

Courses Handled at Under Graduate / Post Graduate Level.

UG Level:
Engineering Mechanics, Mechanics of Solids, Mechanics of Materials, Structural analysis, Advanced Structural analysis, Design of reinforced concrete structures, Design of steel structures, Earthquake Resistant Design of Structures etc.

PG level:
Structural Dynamics, Finite Element Analysis, Theory of Elasticity and plasticity, theory of plates and shells, etc.

No. of Papers Published

National Journals – 00	International Journals –35
National Conference – 22	International Conference – 18

Projects Carried out 20 projects at PG Level

Patents --

Technology Transfer

1. Resource person for Workshop on “ANSYS application to Soil Structure Interaction Problems” and conducted "Hands on Practice of Ansys Application to SSI" on 20th December, 2014 organized by Department of Civil Engineering, K L University, AP.
2. Resource person for One Week Workshop on “Training Program on ANSYS” and delivered lecture on “Structural Applications in ANSYS”

	<p>during 22-27, June, 2015 organized by Department of Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru, AP,</p> <ol style="list-style-type: none"> Resource person for Two Day Workshop on “Emerging Trends in Structural Engineering, ETSE-16” and delivered lecture on “Soil structure interaction: effect of sinking of columns in a multistoried building – A case study” during 11th – 12th March, 2016 organized by Department of Civil Engineering, K L University, Guntur, AP. Resource person for the 3-day FDP on “Modeling and simulation studies in Civil Engineering practices using ANSYS” conducted by department of Civil Engineering, VVIT on 6th December, 2018 Session Chair for 1st International Conference on Technological Emerging Challenges [ICTEC-2019] on 16th, March 2019 at Tirumala Engineering College, Guntur, AP. Resource person for one week FDP on “Effects of Soil Structure Interaction on structures against static and dynamic loads” during 3-8, February, 2020 organized by Department of Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru, AP.
Invited Speaker (Few Important/Prominent)	<ol style="list-style-type: none"> Delivered Guest lecture on “Soil – Structure Interaction – Role of Civil Engineers” on the occasion of Er. Medarametla Lingeswara Rao Seventh Endowment Lecture, on 12th May, 2015 organized by IE (I) – Vijayawada local center, Vijayawada, AP. Delivered Guest lecture on “Soil Structure Interaction” at Dhanekula institute of Engineering and Technology, Vijayawada, AP, on 03rd March, 2017. Delivered Guest lecture on “Soil Structure Interaction” at PVPSIT, Vijayawada, AP, on 20th July, 2017
Awards/honors	<ol style="list-style-type: none"> Scholarship for postgraduate studies in engineering (GATE-2001) Ministry of Human Resources development, Government of India. (Score in GATE-2001, All India Rank 752) Recipient of Scholarship from Foundation for Excellence in the year 2001 (FFE). Review board member of journal IJERT (International Journal of Engineering Research and Technology) Review board member of journal IJRET (International Journal of Research in Engineering and Technology) Received award of excellence during zonal round of IBCC championship conducted at KL Univ., during 25-26 Feb, 2016 organized by ARK techno-solutions & robokart.com in association with CEAfest2016, IIT Madras
	<p>BOOKS:</p> <ol style="list-style-type: none"> Chapati Ravi Kumar Reddy, “Building Frame - Pile Foundation - Soil Interaction”, Lambert Academic Publishing, Moldova, 2017
No. of Books/Chapter Published with details	<p>BOOK CHAPTERS:</p> <ol style="list-style-type: none"> M. Kondala Rao, N. Gopika, K. S. Vivek and C. Ravi Kumar Reddy, “Chapter 33: Study of Loss of Contact for Rectangular Footings Resting on Soil”, Proceedings of International Conference on Remote Sensing for Disaster Management, Springer Series in Geomechanics and Geoengineering, ISSN: 1866-8755, https://doi.org/10.1007/978-3-319-77276-9_33 (Scopus Indexed), 2019 Ravi Kumar Reddy, C., Ramesh, K., Srinivasulu, G., Mohan Krishna, N.V. (2020). Mathematical Modeling of Displacements in Building Frame Founded on Pile Groups Embedded in Sand. In: Saride, S., Umashankar, B., Avirneni, D. (eds) Advances in Geotechnical and Transportation Engineering. Lecture Notes in Civil Engineering, Vol 71. Springer, Singapore. https://doi.org/10.1007/978-981-15-3662-5_16 Sailaja, N. et al. (2022). Chloride Ion Penetration of GGBS-Based Geopolymer Concrete with Different Molarities of NaOH. In: Gupta, A.K., Shukla, S.K., Azamathulla, H. (eds) Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering, vol 196. Springer, Singapore https://doi.org/10.1007/978-981-16-6557-8_28

4. Pavan Kalyan, C. et al. (2022). Application of RSM in the Optimization of GGBS and Metakaoline Based Geopolymer Concrete. In: Gupta, A.K., Shukla, S.K., Azamathulla, H. (eds) Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering, vol 196. Springer, Singapore. https://doi.org/10.1007/978-981-16-6557-8_29

STTPs:

1. Successfully completed In-House Training Program on “NBA accreditation and SAR preparation” Organized by the NITTTR, Kolkata from 21st Jan 2019 to 25th Jan 2019
2. Participated in AICTE recognized short term course on “Product design and development through ICT” Organized by the NITTTR, Chandigarh from 6th NOV 2017 to 10th NOV 2017
3. Participated in MHRD/AICTE sponsored summer school on “Disaster management and earthquake resistant structures” Organized by the NITTTR, Chennai from 21st July 2008 to 26th July 2008

FDPs:

4. Attended a One Week Online Faculty Development Program on INNOVATION AND ADVANCED LEARNING IN CIVIL ENGINEERING, Organized by the Department of Civil Engineering, LBCE, Vizag, AP from 17th July 2023 to 22nd July 2023
5. Successfully completed two weeks Online Faculty Development Program on STAAD PRO, Organized by the APSSDC from 16th AUG 2021 to 3rd Sept 2021
6. participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Disaster Resilience Infrastructure" from 09/08/2021 to 13/08/2021 at University Institute of Technology HPU- Shimla.
7. participated in the one week online FDP on “Research Trends in Civil Engineering” organized by Department of Civil Engineering, KHIT; held during 21st to 25th June 2021
8. participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Smart Cities" from 2020-10-19 to 2020-10-23 at KUMARAGURU COLLEGE OF TECHNOLOGY
9. participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Concrete Technology and Sustainable Construction Practices" from 2020-9-21 to 2020-9-25 at Government Engineering College, Dahod
10. successfully completed One Week Online Faculty Development Program on "OUTCOME BASED EDUCATION - A Continuous Quality Improvement of the Program" Organized by Department of Computer Science and Engineering, S R K R Engineering College from 17th - 21st August 2020
11. participated in the one week online FDP on “Structural Design Guidelines for Concrete Bridge Decks” organized by Department of Civil Engineering, KHIT; held during 10th to 14th August 2020
12. participated in the two week FDP on “Innovations in renewable energy harvesting and environment friendly process technologies for sustainable development” organized by Department of Chemical Engineering, RVR&JC; held during 23-10-2017 to 04-11-2017
13. participated in the one week FDP on “advanced software training in civil engineering” organized by Department of Civil Engineering, VRSEC; held during 08th to 10th Oct 2016

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).

Seminars/WS:

1. participated in two-day workshop on “NBC 2016 and Indian Standards: innovations and case studies in geotechnical engineering” organized by RVR&JCCE, Guntur during 6th & 7th July 2018
2. participated in two-day workshop on “Autodesk Revit Architecture” organized by VVIT, Guntur during 3rd & 4th March 2018
3. participated in three-day workshop on “Train The Trainer Program (Autodesk India Private Limited)” organized by NITW, during 2nd - 4th May 2007

Details of Journal Publications/
Conferences (National and
International)

Publications: 80 (* list enclosed)

Refereed International Journals: 35

Conference proceedings: 40 [18 (Int. conf.) + 22 (National Conf.)]

Text Books : 01

Book Chapters : 04

International Journal

1. Ravi Kumar Reddy, C., and Gunneswara Rao, T. D., "Experimental Study of a Modeled Building Frame Supported by Pile Groups Embedded in Cohesionless Soil", *Interact Multiscale Mech*, Vol.4, No.4, 2011, pp.321-336, DOI 10.12989 / imm. 2011 .4.4.321
2. Ravi Kumar Reddy, C., and Gunneswara Rao, T. D., "Study of soil interaction in a model building frame with plinth beam supported by pile group", *International Journal of Advanced Structural Engineering*, Springer, 2012, Vol.4, No.11, pp. 1-15, DOI 10.1186/2008-6695-4-11
3. Ravi Kumar Reddy, C., and Gunneswara Rao, T. D., "Effect of Rigidity of Plinth Beam on Soil Interaction of Modeled Building Frame Supported on Pile Groups", *Civil Engineering Dimension*, March 2014, Vol. 16, No.1.pp. 8-17
4. Ravi Kumar Reddy, C., G Anugna Sai, V Ratna Priya and CH Hema Venkata Sekhar, "An Experimental Study on Interfacial Properties of Rock Flour and Design of Reinforced Soil Bed" *International Journal of Engineering Research & Technology (IJERT)*, November 2014, Vol.3, No.11, pp.1020-1024
5. Ravi Kumar Reddy, C., CH Hema Sindhusa, G Hymavathi and N Ramyasri, "Study of Corrosion of Reinforced Steel Bars in Recycled Aggregate Concrete with Fly Ash" *IJRET*, November 2014, Vol.3, No.11, pp.192-196
6. Ravi Kumar Reddy, C., Sanjeevarao, P. Ch., Usha Kranthi. J., Srivalli Lakshmi, Ch. "Assessment of Seismic Susceptibility of RC Buildings", *IJRET*, December 2014, Vol.3, No.16, pp.38-41
7. Ravi Kumar Reddy, C., K Hemalatha, V L Pujitha and Tippu Sulthan, "Numerical Study of Footings in Loss of Contact with the Soil" *IJAER*, 2014, Vol.9, No.23, pp.21677-21685 (Scopus Indexed)
8. Ravi Kumar Reddy, C., M. Anjaneya Prasad, Y V Bhavani Saikumar, T Narendra, Y Naga Satyesh, "Modeling of Building Frame on Pile Groups Embedded in Sand", *IJAER*, 2015, Vol.10, No.3, pp.2181-2183 (Scopus Indexed)
9. Ravi Kumar Reddy, C., K. C. Padmakar, M. Manjari, CH. Ekasaikumar, KPRK. Saikumar, "Numerical analysis of piles in layered soils: A parametric study", *IJET (ISSN: 0975-4024)*, Apr-May 2015, Vol.7, No.2, pp.482-489 (Scopus Indexed)
10. K. Ramesh and C. Ravi Kumar Reddy, "Strength Properties of Coir Fibre Reinforced Fly ash Based Geopolymer Concrete (CFRGPC)", *International Journal of Civil Engineering Research (IJCER)* Volume 4, Issue 3, pp.63-68, September 2016, ISSN: 2347-470X
11. Ravi Kumar Reddy C., Shaik Sameer and P. Sandeep Reddy, "A study on the behavior of a multi storied building with soil structure interaction", *ARPJ Journal of Engineering and Applied Sciences*, Vol. 11, No. 23, December 2016, pp.13760-13765, ISSN 1819-6608 (Scopus Indexed)
12. V.V.S.S Chandra Sekhar, K. Brahmani, A. Rohit, K. Mohan Krishna and C. Ravi Kumar Reddy, "Experimental Study of Fly Ash Based Geopolymer Concrete with Robo Sand", *SSRG International Journal of Civil Engineering - ICEEMST- Special Issue - March 2017*, pp.7-13, ISSN: 2348 - 8352
13. Ravi Kumar Reddy, C., and Gunneswara Rao, T. D., "Experimental study of geotextile as plinth beam in a pile group-supported modeled building frame", *International Journal of Advanced Structural Engineering*, Springer, December 2017, Vol. 9, pp.353–363, DOI: 10.1007/s40091-017-0171-z. (Scopus Indexed)
14. K. S. Vivek and C. Ravi Kumar Reddy, "Effect of web taper ratio on free vibration behavior of steel cantilever channel beams", *The IUP journal of Structural Engineering*, 2017, Vol. 10, No. 4, pp.19-29
15. K. S. Vivek, C. Ravi Kumar Reddy and H. Teja Kiran Kumar, "Bending Behaviour of Functionally Graded Metal-Ceramic Triangular Plate", *Global Journal of Engineering Science and Researches*, October 2017, Vol. 4, No. 10, pp.273-280
16. S. Tanuja, C. Ravi Kumar Reddy and M. Satish Kumar, "Effect of Change of Bay Length on Soil Interaction of Building Frame Resting on Clay", *International Journal of Civil Engineering and Technology*, Vol. 9, Issue. 5, May 2018, pp. 1237–1243 (Scopus Indexed)
17. K. S. Vivek, C. Ravi Kumar Reddy and K. S. Sai Ram, "Lateral - Torsional Buckling of Various Steel Trusses", *i-manager's Journal on Structural Engineering*, Vol. 7, No. 1, March - May 2018, pp.6-12, <https://doi.org/10.26634/jste.7.1.14280>
18. M. Raja Kumari, C. Ravi Kumar Reddy and M. Satish Kumar, "An Experimental Study on Properties of Wollastonite Cement Concrete – A Model Study", *International Journal of Scientific Research*, Vol. 7, Issue. 7, July 2018, pp. 416–418

19. C. Sumitha, C. Ravi Kumar Reddy and M. Satish Kumar, "Soil Interaction of Building Frame Resting on Dense Sand: Effect of Change of Bay Length", *International Journal of Scientific Research*, Vol. 7, Issue. 7, July 2018, pp. 419–521
20. Ravi Kumar Reddy C, M. Satish Kumar, Kondala Rao. M and Gopika. N, "Numerical Analysis of Rectangular Combined Footings Resting on Soil for Contact Pressure", *International Journal of Civil Engineering and Technology*, Vol. 9, Issue. 9, September 2018, pp. 1425–1431 (Scopus Indexed)
21. D. V. Siva Sankar Reddy, M. Chittaranjan, C. Ravi Kumar Reddy and K. Kowshik, "Performance Evaluation of Stone Column Installed Soft Ground- A Parametric Study with Numerical Investigation", *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, Volume-8 Issue-2S December, 2018, pp. 7-13 (Scopus Indexed)
22. Ravi Kumar Reddy C, Siva kiran K, Srinivasulu G and Jubeda Sk, "Effect of seismic zone on retrofit of RC framed building using base isolation", *International Journal of Recent Technology and Engineering (IJRTE)*, Vol. 7, Issue. 6C2, April 2019, pp. 456–460 (Scopus Indexed)
23. P. Murali Krishna Chari, V. Rajendra Kumar and C. Ravi Kumar Reddy, "Design and construction of high strength Ferro cement laminates for structural super insulated shell house", *International Journal of Research (IJR)*, Vol. 8, Issue. 6, June 2019, pp. 1170–1179 (UGC Approved)
24. Mohammad Nameer Ifhaam, H. Teja Kiran Kumar and C. Ravi Kumar Reddy, "Seismic and wind analysis of a structure using computer aided programme ETABS", *International Journal of Research (IJR)*, Vol. 8, Issue. 6, June 2019, pp. 2221–2226 (UGC Approved)
25. Merin salman raju Koppula and Ravi Kumar Reddy C, "Soil interaction of building frame resting on clayey soil: Effect of change of aspect ratio", *International Journal of Recent Technology and Engineering (IJRTE)*, Vol. 8, Issue. 2, July 2019, pp. 2875–2881 (Scopus Indexed)
26. Anantha Kavya Supriya and Ravi Kumar Reddy C, "Soil interaction of building frame resting on clayey soil: Effect of change of footing size", *International Journal of Recent Technology and Engineering (IJRTE)*, Vol. 8, Issue. 2, July 2019, pp. 4874–4879 (Scopus Indexed)
27. K. S. Vivek, U. Kusuma Lakshmi Priyanka, C. Ravi Kumar Reddy and K. S. Sai Ram, "Non – Linear Finite Element Analysis of Mild Steel Gusset Plates", *Materials Today: Proceedings*, Volume 18, Part 7, 2019, Pp. 3726 – 3732. (ELSEVIER) <https://doi.org/10.1016/j.matpr.2019.07.307> (Scopus Indexed)
28. Garikapati Indumathi and C. Ravi Kumar Reddy, "Performance Based Seismic Behaviour of Shear Failure Model Of RC Framed Building", *International Research Journal of Engineering and Technology (IRJET)*, Volume 7, Issue 7, July 2020, Pp. 4152 – 4159
29. S. Yathish, M. Jugal Kishore and C. Ravi Kumar Reddy, "Study on concrete by replacing cement with red mud, fly ash and hydrated lime", *Engineering in Advanced Research Science and Technology (IJEARST)*, Volume 3, Issue 1, Aug 2020, Pp. 334 – 346 (UGC Approved)
30. Ravi Kumar Reddy, C., Ramesh, K., Srinivasulu, G., Mohan Krishna, N.V. (2020). Mathematical Modeling of Displacements in Building Frame Founded on Pile Groups Embedded in Sand. In: Saride, S., Umashankar, B., Avirneni, D. (eds) *Advances in Geotechnical and Transportation Engineering. Lecture Notes in Civil Engineering*, vol 71. Springer, Singapore. https://doi.org/10.1007/978-981-15-3662-5_16 (Scopus Indexed)
31. N Jitendra Babu, B Kameswara Rao and C Ravi Kumar Reddy, "Effect of Soil structure interaction on response of structures – A review article", *Nat.Volatiles & Essent. Oils*, Vol. 8, Issue. 5, 2021, pp. 4602–4606 (Scopus Indexed)
32. N Jitendra Babu, B Kameswara Rao and C Ravi Kumar Reddy, "A study on response of Rcc space-framed structure under coupled effects of soft soils", *Nat.Volatiles & Essent. Oils*, Vol. 8, Issue. 5, 2021, pp. 4607–4611 (Scopus Indexed)
33. P.Harini and C. Ravi Kumar Reddy, "Effect of provision of Bracings on Seismic Analysis of Building with Floating Column." *International Journal of Engineering Research and Applications (IJERA)*, vol.11 (9), Sept. 2021, pp 19-23. DOI:10.9790/9622-1109041923
34. Sailaja, N. et al. (2022). Chloride Ion Penetration of GGBS-Based Geopolymer Concrete with Different Molarities of NaOH. In: Gupta, A.K., Shukla, S.K., Azamathulla, H. (eds) *Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering*, vol 196. Springer, Singapore https://doi.org/10.1007/978-981-16-6557-8_28 (Scopus Indexed)
35. Pavan Kalyan, C. et al. (2022). Application of RSM in the Optimization of GGBS and Metakaoline Based Geopolymer Concrete. In: Gupta, A.K., Shukla, S.K., Azamathulla, H. (eds) *Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering*, vol 196. Springer, Singapore. https://doi.org/10.1007/978-981-16-6557-8_29 (Scopus Indexed)

National Journal: --

International Conferences:

1. Ravi Kumar Reddy, C., and Gunneswara Rao, T. D., "Experimental Analysis of Building Frame – Pile Foundation – Soil Interaction", *Proc. Seventh Structural Engineering Convention, SEC*, December 2010, Annamalai Univ., T.N, pp.973-984

2. Ravi Kumar Reddy, C., Surendra Kumar. V., "Footings in Loss of Contact with the Soil: an Analytical Experiment", Proc. Int. Conf. on Civil, Structural and environmental engineering, ICSEE, February 2011, KSRCE, Tiruchengode, T.N, pp.857-861
3. Ravi Kumar Reddy, C., N. Sivaprasada Rao, and Gunneswara Rao, T. D, "Effect of rigidity of plinth beam on Soil Interaction of Modeled Building Frame Supported on Pile Groups" Proc. Int. Conf. on Engineering applications, ICEA, 2013, SRCE, Tirunelveli, T.N, India, pp.7-10
4. Ravi Kumar Reddy, C., Anusha. E and Nagalakshmi. M., Sivasankara Reddy, D.V., "Effect of Soil Interaction on Design Parameters in A Multi-Storied Building", Proc. Int. Conf. on ACECIM, March 2014, SRM Univ., Chennai, T.N, India, pp.666-671 (ISBN: 978-1-63041-348-4)
5. Ravi Kumar Reddy, C., Sanjeevarao, P. Ch., Usha Kranthi. J., Srivalli Lakshmi, Ch. "Assessment of Seismic Susceptibility of RC Buildings", Proc. Int. Conf. on ICPECDM, December 2014, GITAM Univ., Visakhapatnam, A. P, India, pp.126-133.
6. Ravi Kumar Reddy, C., Anil Kumar M, Kiran B, Murali Manohar TVVS, Chandra Padmakar K., "Evaluation of Chloride Diffusion Coefficient of Concrete", Proc. Int. Conf. on ICSEBE, March 2015, VIT Univ., Vellore, India, pp.381-384 (ISBN:978-81-923320-6-2)
7. Ravi Kumar Reddy, C., Anjaneya Prasad M, Saikumar YVB, Narendra T, Naga Satyesh Y., "Modeling of Building Frame on Pile Groups Embedded in Sand", Proc. Int. Conf. on ICAET, March 2015, ACET., Pondicherry, India, pp.2181-2183.
8. Ravi Kumar Reddy, C., Sahithi, G., "Behaviour of Square Footing Resting on Cohesionless Soil using Finite Element Analysis" Proc. Int. Conf. on IC-ISE, December 2015, UCE-Osmania University, India, pp.359-367. (ISBN: 978 81 7371 986 8)
9. Ravi Kumar Reddy, C., Sai Sowmith, N., "Parametric Study of Square Plates Resting over Cohesionless Soil" Proc. Int. Conf. on IC-ISE, December 2015, UCE-Osmania University, India, pp.1822-1839. (ISBN: 978 81 7371 986 8)
10. K. S. Vivek, C. Ravi Kumar Reddy and K. S. Sai Ram, "Free vibration of functionally graded square plates with triangular cutouts", Proceedings of 62nd Congress of ISTAM, University College of Engineering, Osmania University, India, Dec. 15-18, 2017 (62-istam-sm-fp-149)
11. M. Kondala Rao, N. Gopika, K. S. Vivek and C. Ravi Kumar Reddy, "Study of Loss of Contact for Rectangular Footings Resting on Soil", Proceedings of International Conference on Remote Sensing for Disaster Management (ICRSDM), College of Engineering(A), Andhra University, India, October 2017 (ISBN: 978-93-25991-32-0)
12. D. V. Siva Sankar Reddy, M. Chittaranjan, C. Ravi Kumar Reddy and K. Kowshik, "Performance Evaluation of Stone Column Installed Soft Ground- A Parametric Study with Numerical Investigation", International conference on emerging trends on engineering science, technology and management (ICETESTM-18), AITAM & IFERP, November, 2018 (ISBN: 978-81-939399-2-5)
13. K. S. Vivek, U. Kusuma Lakshmi Priyanka, C. Ravi Kumar Reddy and K. S. Sai Ram, "Non – Linear Finite Element Analysis of Mild Steel Gusset Plates", Proceedings of 9th International Conference of Materials Processing and Characterization (ICMPC), GRIET, Hyderabad, Telangana, India, March, 2019, 2214-7853© 2018 Elsevier Ltd.
14. Ravi Kumar Reddy, C., Siva Kiran Kollimarla, Srinivasulu Goli, and JubedaShaik "Effect of Seismic Zone on Retrofit of RC Framed Building Using Base Isolation" 2nd International Conference on Advances in Civil Engineering (ICACE-2019), 21-23 March 2019, KL University, India.
15. A. Sandeep Reddy, Ch. Venu Kishore, K. S. Vivek, and C. Ravi Kumar Reddy, "Critical study on static analysis of concrete gravity dam with galleries resting on various rock foundations", Proceedings of 24th HYDRO 2019 International Conference (HYDRO 2019), University College of Engineering, Osmania University, Hyderabad, T.S, India, 18-20 December, 2019 (ISBN: 978-93-8935-484-3)
16. Ravi Kumar Reddy, C., Ramesh, K., Srinivasulu, G., Mohan Krishna, N.V. (2020). Mathematical Modeling of Displacements in Building Frame Founded on Pile Groups Embedded in Sand. In: Saride, S., Umashankar, B., Avirneni, D. (eds) Advances in Geotechnical and Transportation Engineering . Lecture Notes in Civil Engineering, vol 71. Springer, Singapore. https://doi.org/10.1007/978-981-15-3662-5_16
17. Sailaja, N. et al. (2022). Chloride Ion Penetration of GGBS-Based Geopolymer Concrete with Different Molarities of NaOH. In: Gupta, A.K., Shukla, S.K., Azamathulla, H. (eds) Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering, vol 196. Springer, Singapore. https://doi.org/10.1007/978-981-16-6557-8_28
18. Pavan Kalyan, C. et al. (2022). Application of RSM in the Optimization of GGBS and Metakaoline Based Geopolymer Concrete. In: Gupta, A.K., Shukla, S.K., Azamathulla, H. (eds) Advances in Construction Materials and Sustainable Environment. Lecture Notes in Civil Engineering, vol 196. Springer, Singapore. https://doi.org/10.1007/978-981-16-6557-8_29

National Conferences

1. Ravi Kumar Reddy, C., Naga Satish Kumar, CH., "Behavioral Study of Fiber Reinforced Concrete with Fly Ash", Proc. National Conference 2006, SRKR, Bhimavaram, A.P.
2. Ravi Kumar Reddy, C., Mahabu Subhani, Sk and Siddartha, M., "Behavior of Footing in Loss of Contact with the Soil – A Numerical Study", Proc. National Conf. Knowledge Utsav, 2010, Jain Univ., Bangalore, Karnataka.

3. Ravi Kumar Reddy, C and Gunneswara Rao, T. D., "Numerical Analysis of Piles in Layered Soils: A Parametric Study", Proc. National Conf. TCETCG, 2010, KSRMCE, Kadapa, A.P.
4. Ravi Kumar Reddy, C and Suresh Kumar, S., "Building Frame Supported on Pile Foundation: an Analytical Investigation", Proc. National Conf. AESG2E, 2012, CBIT, Hyderabad, A.P.
5. Ravi Kumar Reddy, C., Anusha, K.V.C., Bharadwaj, G.G., Michel Paul, K and Swathi, D.N., "Experimental investigation for determining the suitability of steel slag as fine aggregate in concrete", Proc. National Conf. NCRAGE, 2012, JNTUK, A.P.
6. Ravi Kumar Reddy, C., Kishore Babu, D., Krishna, P.V.V.S.S., Suresh, C., "Experimental investigation on the Performance of Concrete with GGBS as Admixture at Complete Replacement of Fine Aggregate with Steel Slag", Proc. National Conf. ACEID, Feb 2014, VCE, Osmania Univ, Hyderabad, Telangana
7. Ravi Kumar Reddy, C., Ch. Hema Venkata Sekhar, I. Siva Rama Krishna, "Effect of loss of contact on bending moment and contact pressure of a beam on elastic foundation" Proc. National Conf. RRACE, Nov 2014, UCE, Osmania Univ, Hyderabad, Telangana State.
8. Ravi Kumar Reddy, C., B. Kiran Kumar, TVVS Murali Manohar, "Study of replacement of fine aggregate by fine glass pieces" Proc. National Conf. RRACE, Nov 2014, UCE, Osmania Univ, Hyderabad, Telangana State, India, pp.259-262.
9. Ravi Kumar Reddy, C., Sahithi, G., and Rangarao, V., "Study on loss of contact of rectangular plates on elastic foundation: effect of eccentric concentrated load in longitudinal direction" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.27-31.
10. Ravi Kumar Reddy, C., and Siva rama Krishna, I., "Soil interaction study on box culvert" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.53-57.
11. Ravi Kumar Reddy, C., Manjari, M., and Asadi, SS., "Study of multistoried building for suitable foundation considering SSI" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.100-105.
12. Ravi Kumar Reddy, C. and Anil kumar, M., "Seismic analysis of single bay plane frame buildings considering soil interaction" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.118-124.
13. Ravi Kumar Reddy, C., Sai sowmith, N., and Rangarao, V., "Loss of contact of rectangular plates on elastic foundation: effect of eccentric concentrated load in transverse direction" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.125-130.
14. Ravi Kumar Reddy, C. and Ramya sri, N., "Study on soil interaction of bridges" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.141-145.
15. Ravi Kumar Reddy, C. and Sai kumar VB., "Effect of soil plasticity index on seismic behavior of building frames" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.223-228.
16. Ravi Kumar Reddy, C. and Naga satyesh, Y., "Analysis of single bay frame subjected to seismic forces with soil interaction" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.229-236.
17. Ravi Kumar Reddy, C. and Ramya, T., "Soil-prestressed concrete bridge interaction studies using finite element method" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.237-241.
18. Ravi Kumar Reddy, C. and Lakshmi poojitha, V., "Effect of soil plasticity index on seismic behavior of building frames" Proc. National Conf. NCEE-15, Nov 2015, K L Univ, Vaddeswaram, AP, India, pp.242-246.
19. K. S. Vivek, C. Ravi Kumar Reddy and H. Teja Kiran Kumar, "Bending behavior of functionally graded metal-ceramic triangular plate", Proc. National Conf. Sustainable Practices and Advances in Civil Engineering (SPACE2017), September, 2017, KITSW, India (ISBN: 978-93-86638-25-0)
20. R. Vijaya Durga, M. Mohitha, M. Kondala Rao, N. Gopika and C. Ravi Kumar Reddy, "Effect of Poisson's Ratio for Plates on Elastic Foundation", Proc. National Conf. Sustainable Practices and Advances in Civil Engineering (SPACE2017), September, 2017, KITSW, India (ISBN: 978-93-86638-25-0)
21. M. Kondala Rao, M. V. Mohan Kumar Reddy, P. Sai Kumar, T. Naga Chandra Sekhar, N. Gopika and C. Ravi Kumar Reddy, "Plates on Elastic Foundation: Effect of Eccentricity to Plan Dimension Ratio", Proc. National Conf. Sustainable Practices and Advances in Civil Engineering (SPACE2017), September, 2017, KITSW, India (ISBN: 978-93-86638-25-0)
22. Ravi Kumar Reddy, C., K. Ramesh, G. Srinivasulu and V. Rajendra Kumar., "Experimental study on replacement of construction and demolition waste as fine aggregate in cement mortar" Proc. National Conf. on advances in sustainable construction materials (ASCM), March 2019, NITW, India.