

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)	I class
UG	B.Tech(Civil)	I class

Work Experience

Teaching 20 Years 2 Months
 Research 10 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
 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)

CBIT:

1. Direct feedback committee – UG
2. Direct feedback committee - PG
3. Internship evaluation committee
4. Academic audit committee
5. Anti-ragging committee
6. Academic and Administrative Audit Committee
7. Disciplinary Committee
8. Disciplinary Committee for SHRUTHI2024
9. Internal Mock Inspection – PG – NBA
10. Internal Mock Inspection – UG – NBA
11. Funded Project evaluation committee
12. Mentoring Audit Committee
13. Internal Mock Evaluation – PG – NBA
14. Duties Assigned by AEC
15. Duties assigned by CoE

Responsibilities held at Institution Level

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)
6. Coordinator, PG NBA (05,06&07 Jan 2024 NBA visit – successful – accredited for 3 years) – KHIT

CBIT - CED:

1. NBA Coordinator – PG

2. Coordinator – BoS
3. Consultancy – GHMC TPQC
4. I/c Head of the Department

Research Guidance

01 - Submitted Thesis; 04 (ongoing)

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

Courses Handled at Under Graduate / Post Graduate Level.

PG level:

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

No. of Papers Published

National Journals – International Journals –38

National Conference – 22 International Conference – 23

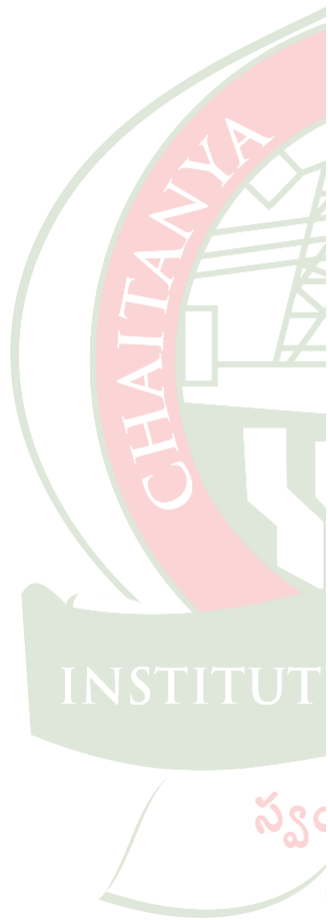
Academic: 20 Nos. PG - Dissertations completed; 04 - ongoing

Consultancy Projects:

Projects Carried out

1. GHMC – TPQC, member – field visits – Ongoing
2. NDT Testing of existing Residential Building, Funding Agency: Private, Completed, Rs.9500/-, 2021
3. Soil Investigation, Funding Agency: Kallam Housing & Real Estates, Completed, Head, Rs.11300/- 2021
4. Soil Investigation for ZPHS machavaram, Funding Agency: DEE, Samagra shiksha, Guntur, Completed, Head, Rs.4700/-, 2021
5. Soil Investigation for multistoried residential building Funding Agency: Kallam Housing & Real Estates Completed Head Rs.11300/-, 2021
6. Concrete mix design and material testing for GOVHS, Gurajal, Funding Agency: EE, Samagra Shiksha, Guntur Completed Head Rs.29800/- 2021
7. Cube testing for 40L OHSR Funding Agency: AEE, RWS&S, Edlapadu, Completed, Head, Rs.1200/-, 2020
8. Cube testing for construction of Godown, Funding Agency: DEE, AP Police Housing Corporation, Guntur, Completed, Head, Rs.12000/-, 2020
9. Mix design and material testing for GOVHS, Gurjal Funding Agency: EE, Samagra Shiksha, Guntur Completed, Head, Rs.11750/-, 2020
10. Soil Investigation and cube testing Funding Agency: New Hi-Tech Constructions, Ch.peta, Completed, Head, Rs.6900/-, 2018
11. Soil Investigation and material testing for storm water drainage works Funding Agency: DEE, PH sub-division, ramachandrapuram Completed, Head, Rs.8400/-, 2017
12. Soil Investigation for road work at kondaveedu Funding Agency: Sri Anjani Engineers & contractors, kakinada, Completed, Head, Rs.11000/-, 2017
13. NCRMP Phase-II, construction of MPCs Buildings (Type C)-steel testing Funding Agency: AE, PR (Projects), Kovur, SPSR Nellore Dt. Completed, PI, Rs.4045/-, 2014
14. Construction of roads under package no. NCRMP / BW / AP / RHB / PRED / 08 / NG Padu / 011, Funding Agency: AEE, (PR) P.I.U. Sub-Division, Ongole, Completed, PI, Rs.16854/-, 2014
15. Construction of roads under package no. NCRMP / BW / AP / RHB / PRED / 07 / Bapatla / 008, Funding Agency: DEE, Panchayatraj Engg. Dept., Projects Sub-Division, Repalle, Completed, PI, Rs.16854/-, 2014
16. Construction of HLB across Nallavagu atKM18/4, Vaviletipadu-kamepalli-kodepi road, Funding Agency: DEE, R&B Sub-division, Kandukuru, Completed, PI, Rs.20225/-, 2014
17. Construction of CRC building at Narravari palem Funding Agency: AE, Nagara Panchayat, Addanki, Completed, PI, Rs.1349/-, 2013
18. NSP-APWSIP-rehabilitation and modernisation of distributory system Funding Agency: EE NSJC O&M Division, Chimakurthy, Completed, PI, Rs.5618/-, 2013

19. Improvements to Repalle-Nizampatnam road Funding Agency: DEE, R&B sub-division, Repalle, Completed, PI, Rs.16854/-, 2013
20. Improvements to viswanadhapuram (M.I) Tank Funding Agency: DEE, Irrigation, Kandukuru, Completed, PI, Ra.5000/-, 2013
21. NSP-APWSIP-rehabilitation and modernisation of distributory system Funding Agency: EE NSJC O&M Division, Chimakurthy, Completed, PI, Rs. 22472/-, 2013
22. RWS-Modernisation Funding Agency: DEE, Westren Sub Division, Bapatla, Completed, PI, Rs.16293/-, 2013
23. CC pavement vodarevu-NR Pet - piduguralla road Funding Agency: DEE, R&B sub-division, Chirala, Completed, PI, Rs.5618/-, 2013
24. Construction of Dr. B. R. Ambedkar community hall in chirala Funding Agency: Municipal Engineer, chirala municipality, chirala, Completed, PI, Rs.13147/-, 2013
25. Construction of drive way, roads and buildings Funding Agency: SVSVS Projects (P) Ltd, IOC Depot, Srareddy Palem, Ongole, Completed, PI, Rs.6910/-, 2013
26. MEPMA-construction of CRC buildings at Pasumarthivaripalem, Funding Agency: Commissioner, Nagara Panchayat, Addanki, Completed, PI, Rs.17528/-, 2012
27. Construction of Mahila Swasakthi bhavan, ward no.19 Funding Agency: Municipal Engineer, chirala municipality, chirala, Completed, PI, Rs.11573/-, 2012
28. Construction of HLB at KM3/10 of ongole - chandrapalem road, Funding Agency: EE, R&B division, Ongole, Completed, PI, Rs.20899/-, 2012
29. CC roads and drains in chirala town, Funding Agency: Municipal Engineer, chirala municipality, chirala, Completed, PI, Rs.17528/-, 2012
30. Drinking water project to NSS habitations in CS puram, Giddaluru, Funding Agency: DEE, RWS&S sub-division, Kanigiri, Completed, PI, Rs.11573/-, 2012
31. Rehab & Modrn. Of Distributory system, D.C No. 17, Guntur Funding Agency: DEE, NSRC O&M division, Guntur, Completed, PI, Rs.24832/-, 2012
32. Provision of ramp at 401 AF STN, Suryalanka, Funding Agency: AGE, Suryalanka, bapatla, Completed, PI, Rs.5618/-, 2012
33. Construction of CRC building at Narravari palem, Funding Agency: commissioner, chirala municipality, Completed, PI, Rs.11910/-, 2012
34. Improvements to breached tank near peddamapalem in Prakasam Dt. Funding Agency: EE, Irrigation Division, Ongole, Completed, PI, Rs.16124/-, 2012
35. NSP-APWSIP-rehabilitation and modernisation of distributory system Funding Agency: EE NSJC O&M Division, Chimakurthy, Completed, PI, Rs.22472/-, 2012
36. Prov additional block for 20 living SNCOs AIR401 AF STN Funding Agency: Asst Garrison Engineer (I), Surya lanka, Bapatla, Completed, PI, Rs.5618/-, 2012
37. Soundness of elevated level service reservoir – NDT, Funding Agency: commissioner, Nagara panchayat, addanki, Completed, PI, Rs.7121/-, 2012
38. Provision of Type-IV OTR4 at surya lanka, Funding Agency: Asst Garrison Engineer (I), Surya lanka, Bapatla, Completed, PI, Rs.3309/-, 2011
39. Construction of ROB inNarasaraopet town, Funding Agency: DEE, R&B, Narasaraopet, Guntur, Completed, PI, Rs.1434/-, 2011
40. Prov of DSC guard rest room at AF station, Funding Agency: Asst Garrison Engineer (I), Surya lanka, Bapatla, Completed, PI, Rs.8383/-, 2011
41. Providing CC roads and drains under LAILA grant Funding Agency: DEE, Public Health sub-division, Kandukuru, Completed, PI, Rs.15222/-, 2010
42. Provision of Type-IV OTR4 at surya lanka Funding Agency: Asst Garrison Engineer (I), Surya lanka, Bapatla, Completed, PI, Rs.8383/-, 2010



43. L-I scheme on right bank of perali drain Funding Agency: DEE, APSIDC, Chilakaluripeta, Completed, PI, Rs.2041/-, 2010
44. Apron work of irrigation tank in devarampadu, rayapalem, guntur – NDT, Funding Agency: DEE, ACB, Vijayawada range, Gunutr, Completed, PI, Rs.4059/-, 2010
45. Construction of new municipal office building at ponnur, Funding Agency: Commissioner, Ponnur Municipality, Ponnur, Completed, PI, Rs.1686/-, 2010

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Patents

Title: INTEGRATION OF BIOPLASTICS IN CIVIL ENGINEERING FOR NUMEROUS ENVIRONMENTAL AND ECONOMIC BENEFIT

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” during 22-27, June, 2015 organized by Department of Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru, AP,
3. 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.
4. 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
5. Session Chair for 1st International Conference on Technological Emerging Challenges [ICTEC-2019] on 16th, March 2019 at Tirumala Engineering College, Guntur, AP.
6. 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)

1. 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.
2. Delivered Guest lecture on “Soil Structure Interaction” at Dhanekula institute of Engineering and Technology, Vijayawada, AP, on 03rd March, 2017.

Awards/honors

3. Delivered Guest lecture on “Soil Structure Interaction” at PVPSIT, Vijayawada, AP, on 20th July, 2017
1. Scholarship for postgraduate studies in engineering (GATE-2001) Ministry of Human Resources development, Government of India. (Score in GATE-2001, All India Rank 752)
2. Recipient of Scholarship from Foundation for Excellence in the year 2001 (FFE).
3. Review board member of journal IJERT (International Journal of Engineering Research and Technology)
4. Review board member of journal IJRET (International Journal of Research in Engineering and Technology)
5. 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
6. Received Best Researcher award from Knowledge Research Academy, Coimbatore, 2024

No. of Books/Chapter Published with details

BOOKS:

1. Chapati Ravi Kumar Reddy, “Building Frame - Pile Foundation - Soil Interaction”, Lambert Academic Publishing, Moldova, 2017

BOOK CHAPTERS:

1. 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
2. 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
3. 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
4. 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

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:

1. NEP 2020 Orientation and sensitization program organized by MMTTC, NITW, from 20-08-2024 to 28-08-2024
2. FDP on "Building Resilient Infrastructure" organized by VVIT, Guntur from 24-06-2024 to 28-06-2024
3. FDP on "Research Methodologies and publication strategies" organized by CBIT, Hyd from 12-02-2024 to 16-02-2024
4. FDP on "Quality education through OBE" organized by CBIT, Hyd from 22-01-2024 to 27-01-2024
5. FDP on "BUILDING THE FUTURE: INDUSTRY 4.0 APPLICATIONS IN CIVIL ENGINEERING" organized by BVRIT, Medak, from 21-09-2023 to 26-09-2023
6. 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
7. Successfully completed two weeks Online Faculty Development Program on STAAD PRO, Organized by the APSSDC from 16th AUG 2021 to 3rd Sept 2021
8. 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.
9. 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
10. 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
11. 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

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

12. 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
13. 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
14. 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
15. 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

Seminars/WS:

1. Participated in two-day In-house training/Induction program organized by IQAC, CBIT on 10th & 24th AUG 2024
2. 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
3. Participated in two-day workshop on "Autodesk Revit Architecture" organized by VVIT, Guntur during 3rd & 4th March 2018
4. 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: 83 (* list enclosed)

Refereed International Journals: 38

Conference proceedings: 45 [23 (Int. conf.) + 22 (National Conf.)]

International Journal

1. Ravi Kumar Reddy C., Durga Prasad Ravella, P. Srinivas Reddy, and S. Mitun Kumar, "Study of effective location of shear wall in multistoreyed buildings for optimum seismic response", ARPN Journal of Engineering and Applied Sciences, Vol. 19, No. 12, JUNE 2024, ISSN 1819-6608, pp.740-746 (**Scopus Indexed**)
2. T Muralidhara Rao, Chava Venkatesh, Cherreddy Sonali Sri Durga, Jagadeesh Bommisetty and Ravi Kumar Reddy C., "Corrosion characteristics of rebar in Fly Ash-GGBFS synthesised alkali activated concrete", Journal of Physics: Conference Series, Volume 2779, Year 2024, Pages 012083; DOI:10.1088/1742-6596/2779/1/012083 (**Scopus Indexed**)
3. T Muralidhara Rao, Chava Venkatesh, Cherreddy Sonali Sri Durga, Jagadeesh Bommisetty and Ravi Kumar Reddy C., "Electrochemical study on the effect of high volume fly ash on the corrosion of reinforcement in self compacting concrete slab panels", Journal of Physics: Conference Series, Volume 2779, Year 2024, Pages 012047; DOI:10.1088/1742-6596/2779/1/012047 (**Scopus Indexed**)
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 (**Scopus Indexed**)
5. 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**)
6. 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
7. 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**)
8. 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**)
9. 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

10. 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 (IJEART), Volume 3, Issue 1, Aug 2020, Pp. 334 – 346 **(UGC Approved)**
11. 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
12. 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>
13. 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, ISSN: 2277-3878), Vol. 8, Issue. 2, July 2019, pp. 4874–4879 **(Scopus Indexed)**
14. 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)**
15. 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)**
16. 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)**
17. 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)**
18. 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)**
19. 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)**
20. 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
21. 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
22. 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>
23. 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)**
24. 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
25. 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
26. 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)**
27. 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
28. 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)**
29. K. Ramesh and C. Ravi Kumar Reddy, "Strength Properties of Coir Fibre Reinforced Fly ash Based Geopolymer Concrete (CFRFGPC)", International Journal of Civil Engineering Research (IJCER) Volume 4, Issue 3, pp.63-68, September 2016, ISSN: 2347-470X

30. 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**)
31. 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**)
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