



NIRMAAN



A Newsletter from School of Civil Engineering, R.G.M.C.E.T, Nandyal, July -2019

Editorial

It is a great pleasure to present before you the July month issue of 'NIRMAAN', the half-yearly newsletter of School of Civil Engineering, R.G.M.C.E.T, Nandyal. The current newsletter highlights the activities of our students and the achievements of faculty during the past semester. It also features visits by eminent persons to the department of Civil Engineering -R.G.M.C.E.T, Nandyal. The dynamism of the department is clearly reflected through the awards that our faculties and students have bagged in their credit. The main intent of 'NIRMAAN' is to disseminate information about our Department. We hope that the readers find the issue informative and useful.

EVENTS ORGANISED

1. An interaction session with the freshers (I B.Tech) is organised at the department. The session is held by Mr G Pradeep Naidu, AEE, GNSS, Ananthapur, on 24th August 2018.



2. XXI National Technical Level Symposium is organised from 26th to 28th September 2019. A total of 150 students attended the symposium and made it successful.



3. A three day workshop on 'IDARC' is held at the department from 26th to 28th September 2019. Dr. C Rajaram, Assistant Professor, RGM CET , addressed the session consisting 46 students.



4. 2nd International conference (ICEESM – 2k18) is organised at RGM CET successfully for two days 21st and 22nd December 2018. Dr. Ubagaram Alengaram, Associate Professor, University of Malaysia and Dr. Ajay Sreeram, Assistant Professor, NITW chaired the session for the Track -1 : Civil and Building Sciences .



5. An In-house ' AutoCAD Training Program' is planned to be conducted by Raster Technologies, Hyderabad , in two phases for IV B.Tech students. The first phase is conducted from 8th October 2018 to 13th October 2018.sThesecond phase is conducted from 25th January 2019 to 31st January 2019.



FIELD VISITS

1. Local visit to Sewage treatment plant, is conducted on 11thFebruary2019 , for III B.Tech students . A total of 210 students along with 3 faculty members attended it.



PUBLICATIONS

Journal Articles

1. **Madhan Gopal Kallutla**, C.RasoolBasha, **SreenivasuluGopu** and C.Sashidhar, 2018. “Effect of Corrosion Inhibitor on Compressive Strength and Corrosion Resisting Properties of Blended Concrete”, Journal of Science and Technology. Vol.3, Issue 6, pp. 13-17 ISSN: 2456 – 5660. Published : December 2018. (UGC Approved Journal)
2. **B.Bhavani**, **C.Krishnamaraju**, **Syed Talha Zaid** 2018. “Effect on Mechanical Properties of M25 SCC with Variation of Class-F Fly Ash & GGBS”, International Journal of Chemtech Research. Vol.11, pp. 70-77 Published : December 2018.
3. P.Kishore Kumar Reddy, M.G.Muni Reddy, S.Jaya Kumar, G.Ravi Kumar, **T.Appa Reddy** 2019. “Numerical Modelling of Regular water Tank”, International Journal of Recent Technology and Engineering, Vol.7, pp. 01-03 Issue ICETESM Published : March 2019.
4. **B.Bhaskar**, **C.Krishnamaraju**, 2019. “Comparision of Elastic Constants and Compressive strength of M40 Grade Concrete Cylinders Wrapped with and without GFRP Sheet”, International Journal of Recent Technology and Engineering. Vol.7, Issue ICETESM, pp. 10-13 ISSN: 2277 – 3878. Published : March 2019.
5. **B.Bhavani**, **C.Krishnamaraju**, C.Mounika, S.L.Vinay Kumar, H.Manesh and M.Anil Kumar 2019. “The Effect of Polypropylene Fibers on Properties of Expansive soil”, International Journal of Recent Technology and Engineering. Vol.7, Issue ICETESM, pp. 14-18 ISSN: 2277 – 3878. Published : March 2019.
6. **ChamarthyKrishnamaraju**, N.SaiNamratha Reddy, G.Uday Kumar, P. Ravitheja Reddy, B. Thirumalesu and M.Samba Siva Reddy, 2019. “Prediction of Properties of M25 SCC for 20 mm & 12.5 mm Size Coarse Aggregate Blends Using Neural Networks”, International Journal of Recent Technology and Engineering. Vol.7, Issue ICETESM, pp. 7-9 ISSN: 2277 – 3878. Published : March 2019.
7. **B.Bhaskar** and **T.Raghavendra**, 2019. “Experimental Study on Diffusion Behaviour of Chloride ION in Cement Mortar”, International Journal of Recent Technology and Engineering. Vol.7, Issue ICETESM, pp. 4-6 ISSN: 2277 – 3878. Published : March 2019.

8. A.Vinod Kumar and **J.Joel Shelton**, 2019. “Reduction of Structural Response of the Fixed Building using Base Isolation System”, International Journal of Engineering and Advanced Technology, Vol.8, Issue 5, pp. 1741-1745 ISSN: 2249 – 8948. Published : June 2019.
9. B.Uday Kumar and **G.N.Sreekanth**, 2019. “A GUI Framework for the Development of Fragility Curves for a Low-Rise & Medium-Rise Buildings”, International Journal of Engineering and Advanced Technology, Vol.8, Issue 5, pp. 1146-1152 ISSN: 2249 – 8958. Published : June 2019.
10. **M.Sunandana Reddy**, 2019, “Delineation of Groundwater Potential Zones in South East Part of Anantapur District using Remote Sensing and GIS applications”, Sustainable Water Resources Management, Online-ISSN : 2363-5045, Print-ISSN : 2363-5037. Published: 27 May 2019.

Conference Articles

1. B.Likitha, **Madhan Gopal Kallutla, SreenivasuluGopu**, “Partial Substitution of cement by using different pozzolanic materials and its effects on blended concrete”, International Conferences on Multidisciplinary approaches in Engineering, Management and Science”, ISBN : 978-93-86171-04-7 Published : 14th December 2018.
2. **K.Madhan Gopal, G.Sreenivasulu** and C.Sashidhar, ‘Study the Strength Development of Concrete with Wood Ash Blended Cement’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 63-66, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
3. B.Janardhan, **K.Madhan Gopal, G.Sreenivasulu** and C.Sashidar, ‘Study the Influence on Multi Blended Concrete’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 28-31, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
4. Parimala Vasavi, **Dr.G.Sreenivasulu and B.Rohini**, ‘Seismic Analysis of Buildings on Different Slopes and Different Bays’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 55-62, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
5. Ravi Kumar G, Muni Reddy.M.G, Kishore Kumar Reddy and **AppaReddy.T**, ‘Numerical Modelling of Regular Wave Tank’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 144-146, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
6. **Dr.T.Appa Reddy**, P.Lakshmi Naga Saroja, D.Srinivasa Rao and Dr.B.VijayaSaradhi, ‘Studies on Partial Replacement of Cement by Fly Ash using Various Curing Methods – A Comparative Study’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp.24-27, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
7. **Dr.K.Sukumaran** ‘Application of Self-Healing Techniques for Sustainable Bituminous Pavements’,

- “2ndInternational Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”,pp.101-106,ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
8. **Dr.K.Sukumaran** ‘Developments in Perpetual Pavements as Sustainable and Futuristic Asphalt Pavements’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”,pp. 107-112,ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 - 9.C Manju,**Dr.ChennaRajaram**, ‘Study the Vibration Control of Structures using Tuned Mass Damper (TMD)’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 76-79, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 10. **ChennaRajaram** ,Ramancharla Pradeep Kumar, ‘Generation of Ground Motion Prediction Equation for Iran’, “International Symposium on New Technologies for Urban Safety of Mega Cities in Asia”, Published 12th December 2018.
 11. **M.Sunandana Reddy**, Bhargava, Balaraju, Hemanth, Chennappa and Viswanadh, ‘Groundwater Quality Assessment using Water Quality Index and GIS Techniques’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 165-170,ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 12. **Joel Shelton J**, Hemalatha G, V.Venkatesh, E.Anurag and S.V.S Jebadurai, ‘Finite Element Analysis of Link Column Frame System for Seismic Resistance of Reinforced Concrete Structures’, “16th Symposium on Earthquake Engineering”, Published 20st – 22nd December 2018.
 13. **Joel Shelton J** and Hemalatha G, ‘Link Column System for Performance Enhancement of Reinforced Concrete Framed Structures subjected to Seismic Forces’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 86-90, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 14. **Dr.T.Appa Reddy**, B.Harika, S.Bala Prasad and B.VijayaSaradhi, ‘Comparision of Formulas to Calculate Biogas Production from Cowdung, Poultry Waste and pig waste’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp.122-126, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 15. **B.Bhavani, ChamorthyKrishnama Raju**, C.Mounika, S.L.Vinay Kumar, H.Manesh and M.Anil Kumar, ‘The Effect of Polypropylene Fibers on Properties of Expansive Soil’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 96-100, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 16. M.Bharathi, **Syed Talha Zaid and B.Naga Kiran**, ‘Identification of Blackspot on SH-27 (fromNandyal to

- Koilakuntla Route) by using the Accident Severity Index’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 91-95, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
17. **C.Ramanjaneyulu and Syed Talha Zaid**, ‘Experimental Investigation of Optimum Coagulation Activity on River Water using Chemical and Natural Coagulants for Different pH Ranges’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management”, pp. 117-121, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 18. M.Gana Maheshand **B.Rohini**, ‘Effect of Dolichos Lab Lab as Natural Coagulant for the Water Treatment’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 141-143, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 19. **GandlaNanabalaSreekanth** and Dr.S.Balamurugan, ‘Tsunami & Earthquake Effects on Structures of 28 September 2018, Sulawesi : A Preliminary Study’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 11-15, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 20. **Syed Talha Zaid** and Dr.S.Balamurugan, ‘A Review on Behavior and Response of RC beams under Blast loads-An Overview’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 16-20, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 21. **ChamarthyKrishnama Raju**, P.Ravithejareddy, N.SaiNamratha Reddy, B.Thirumaleshu, G.Uday Kumar and M.Samba Siva Reddy, ‘Prediction of Properties of M25 SCC for Various Sizes of Coarse Aggregate Blends using Neural Networks’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 21-23, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 22. **B.BhaskarandC.Krishnama Raju**, ‘Comparison of Elastic Constants and Compressive Strength of M40 Grade Concrete Cylinders Wrapped with and without GFRP Sheet’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp.32-34,ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 23. **T.Raghavendra, C.Ramanjaneyulu**and V.Bhuvanesar Reddy, ‘An Experimental Study on the Mechanical Properties of Reactive Powder Concrete by using Cement Replacement of Glass Powdery’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 47-51, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
 24. **B.BhaskarandT.Raghavendra**, ‘Experimental Study on Diffusion Behaviour of Chloride Ion in Cement

Mortar’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management (ICEESM)”, pp. 52-54, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.

25. **P.Epapra** and **B.HarshavardhanChowdary**, ‘Peak Flood Estimation using Annual Maximum Series and Partial Duration Series’, “2nd International Conference on Emerging Trends in Engineering, Sciences & Management(ICEESM)”, pp. 147-152, ISBN: 978-81-938463-1-5. Published 21st – 22nd December 2018.
26. **J.Sravani**, T.ChandraSekhar Reddy 2018. “Strength Characteristics Of High Strength SCC Using Silica Fume And GGBS”, International Conference on Research Trends in Engineering, Applied Science and Management.Presented : 5th August 2018.
27. P.SaiJaswanth, **Dr.ChennaRajaram**, ‘Seismic Analysis of BurjKhalifa using SAP200’, “National Conference on Advances in Science & Technology in Civil Engineering(NCASTCE)”, Published January 2019.
- 28.Mr.J.Jagadeeshwar, **Mr.J.PhaniBhushan Reddy**, ‘Soil Stabilization by using Coir Fibre’, “Proceedings of the 3rd National Conference Recent Trends, Innovations in Civil Engineering and Urban Infrastructure”, pp. 140-150, ISBN: 978-93-5346-955-9. Published 29th – 30th March 2019.
- 29.Mr.J.Jagadeeshwar, **Mr.J.PhaniBhushan Reddy** and Ms.P.Swathi , ‘Ground Improvement by using Micropiles as Foundation’, “Proceedings of the 3rd National Conference Recent Trends, Innovations in Civil Engineering and Urban Infrastructure “, pp. 132-139, ISBN: 978-93-5346-955-9. Published 29th – 30th March 2019.

STUDENT ACHIEVEMENTS

1. R Roshan attended ‘Structural Workshop’ at CEA 2018, IIT Madras..
2. S Ruby preethi, Jyothika, S Aliya attended modelling event at CEA 2018, IIT Madras.
3. 40 students from III B.Tech has successfully completed ‘Manufacturing-CNC-Turning-foundation ‘ Course conducted at RGM CET from 24th June 2019 to 29th June 2019 by APPSDC in collaboration with Siemens Industry Software Pvt. Ltd.

TESTING AND CONSULTANCY SERVICES

Testing and Consultancy Record from July 2018 to June 2019 amounted to Rs. 81,000