

NIRMAAN

A Newsletter from Department of Civil Engineering, R.G.M.C.E.T. Nandyal,
Volume 8, No: I, December ,2019



RAJEEV GANDHI COLLEGE OF ENGG & TECH(Autonomous)
Nandyal, Andhra Pradesh



VISION

To be an outstanding department devoted to provide value based education in Civil Engineering which will produce socially aware professionals to provide solutions of global standards.

MISSION

- To impart quality education that develops innovative professionals with research orientation and entrepreneurs.
- To prepare professionals with emphasizes on leadership, team work and ethical conduct.
- To undertake collaborative projects and consultancy works with academia and industry.

PROGRAM EDUCATIONAL OBJECTIVES

PEO-1	Assessing societal needs and plan suitable infrastructure
PEO-2	Excel in Civil Engineering and in other allied fields
PEO-3	Develop team spirit and inter personal dynamics for effective execution and management of projects
PEO-4	Adhering life-long learning skills and adopt to changing professional and societal needs

PROGRAM SPECIFIC OUTCOMES

PSO1	Capability to investigate, plan, analyze and design buildings for different purposes such as residential, commercial, public office, recreational etc. using STAAD Pro and relevant software
PSO2	Competency in preliminary engineering surveys, planning and design of infrastructure viz. roads, bridges and designing traffic control systems etc. using MX-Roads and other relevant software programs
PSO3	Conduct field and laboratory tests for analysis and quality control of civil engineering projects



NIRMAAN



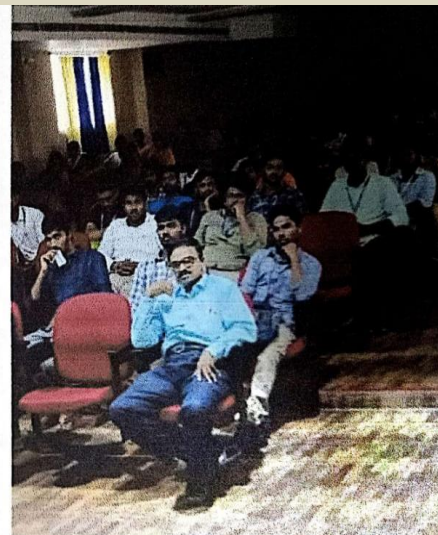
A Newsletter from School of Civil Engineering, R.G.M.C.E.T. Nandyal, December -2019

Editorial

It is a great pleasure to present before you the December 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. A guest lecture on 'Ground Improvement Techniques' is delivered by Dr P S Prasad, Principal Scientist and Head, Geotechnical Engg Division, CSIR-CRRI, Delhi, on 12th July 2019 for III B.Tech students.



2. An awareness program on ' Rainwater Harvesting and Borewell Recharging' under Societal activities by RGM CET is conducted at Poluru(village) ,Nandyal on 16th October 2019 with Dr K Mallikarjun as the faculty incharge . Dr. G Srinivasulu and Mr. C Ramanjaneyulu were the speakers for the program from the Department.



3. School of Civil Engineering conducted **BOS** Meeting on 12/07/2019.

Expert committee Members :

- i. Dr.S.T.G.Raghukanth (IITM,Chennai),
- ii. Dr.P.Subramanya Prasad (CRRI, NewDelhi),
- iii. Dr.A.Amarnatha Reddy (IITKGP),
- iv. Dr.M.Beulah (CHRIST UNIVERSITY),
- v. Dr.C.Murali Krishna (NIT,Tadepalligudem)

4.School of Civil Engineering conducted “JAL DIWAS” Awareness program on Water Conservation and Rain Water Harvesting on 22/07/2019.Dr.G.Sreenivasulu &P.Epapra were the Key note speakers.



5. School of Civil Engineering conducted a *one day seminar* on “SOIL CONTAMINATION & ITS EFFECTS” on 03/08/2019. **Dr.P.V. Siva Pullaiah** (pro vice chancellor of GITAM University Bangalore, former professor of IISC Bangalore) was the resource person.

No.Of students attended: All 3rd year students.

No.Of Faculty attended: 11.



6. School of Civil Engineering conducted Internshala “INTERNSHIP AWARENESS PROGRAM” on 06/08/2019 for 2nd and 3rd year students.



7. A seminar on ‘Introduction o LaTeX’ was conducted by department on 10/08/2019 which was handled by Dr. C Rajaram, Assistant Professor, Dept of CE, RGMCT. A total of 153 students attended.



8. School of Civil Engineering conducted a “ALUMNI INTERACTION” *program to First Year students* on 24/08/2019.



9. School of Civil Engineering Organized **Blender software** Training Programme to *Faculty Members* from 06/08/2019 to 03/09/2019 at RGM CET, Nandyal.
10. **Department of Civil Engineering** Organized XXI *National Level Technical Symposium* -RIPPLE - 2k19 for B. Tech students on “TRENDS & RECENT ADVANCES IN CIVIL ENGINEERING (TRACE)” 26th-28thSeptember 2019.



11. School of Civil engineering conducted a 2-day *workshop* on “Introduction to IDARC” From 27thSeptember to 28th September 2019.



12. A workshop on ‘Modelling of buildings using AutoCAD’ is conducted by APSSDC in department of civil engg. . A total of 71 students attended. The trainers for this workshop are Ms. P Nandini, Ms. K Rohini and B Satyavathi (APSSDC Trainers) from 30/12/2019 to 04/01/2019.



13. . Entrepreneurship Awareness Camp-I is Conducted under DST-NIMAT in RGM CET . It is Sponsored by Entrepreneurship Development Institute of India (EDII), Gujarat , held from 05/12/2019 to 07/12/2019.

List of students who participated from the department is stated below :

S.No.	Name of The Participant	Department	Year of Study	Name of the College
1	B.Viswanatha Reddy	CIVIL	III	RGM CET
2	G.Thejeswar Naidu	CIVIL	III	RGM CET
3	J.V.V. Sreevastav	CIVIL	III	RGM CET
4	B.Kumar Reddy	CIVIL	III	RGM CET
5	C.Ravindra Reddy	CIVIL	IV	RGM CET
6	A.Venkatasubba Reddy	CIVIL	IV	RGM CET
7	S.Tharun Teja	CIVIL	IV	RGM CET
8	G.Raghunath Reddy	CIVIL	IV	RGM CET
9	P.Vijitha	CIVIL	III	RGM CET
10	P.Venkata Akanksha	CIVIL	III	RGM CET
11	S.Vasavi Pranathi	CIVIL	III	RGM CET
12	B Uday Raj	CIVIL	IV	RGM CET
13	A.Vishnu Vardhan Reddy	CIVIL	IV	RGM CET
14	A.Sai Charan Tej	CIVIL	IV	RGM CET



FIELD VISIT

1. A Technical visit is arranged to L & T Metro for III B.Tech students on 21/09/2019. A total of 39 students alongwith 3 faculty members attended a seminar on L & T Metro and Design and Constructional details of Hyderabad Metro.



The team visited Metro driver training modeling room, Central command control room (SCADA software) and Gallery room. Even the students along with faculty visited Birla Science Museum and Planetarium.

FACULTY ACHEIVEMENTS

1. G.N.Sreekanth attended *One Week Faculty Development program* on Building Information Modelling from 8/07/2019 to 13/07/2019 at SVCE Bengaluru.
2. C.Shasi Kiran, T.Raghavendra, K.Madhan Gopal attended 5 Day *short term program* on “MATLAB PROGRAMMING FOR BEGINNERS” organized by department of Mechanical Engineering From 22ndjuly to 26thjuly 2019 at RGM CET.
3. T.Raghavendra attended two day *National workshop* on “SUSTAINABLE CONSTRUCTION MATERIALS AND TECHNIQUES” organized by department of civil engineering from 8th to 9th August 2019 at JNTUA college of Engineering Ananthapuramu.
4. Mr. P.Pramadhanatha Reddy, Mr. P.Epapra, Mr. J.Joel Shelton, Ms. J.Sravani, Ms. V.Nagashilpa ,Mr. M.P.Krishna Murthy attended *one day seminar* on “THE ART OF PEDAGOGY- PRINCIPLES & PRACTICE” Organized by department of English on 2nd August 2019 at RGM CET Nandyal.
5. Dr.C.Rajaram Presented a paper in the *international Conference* “INNOVATIVE TRENDS IN CIVIL ENGINEERING FOR SUSTAINABLE DEVELOPMENT” Organized by Department of Civil Engineering From 13th -15th September 2019 at NIT Warangal.

PUBLICATIONS

Journal Articles

International Journals

1. E. Arunraj, S. Vincent Sam Jebadurai, C. Daniel, **J. Joel Shelton**, G. Hemalatha, 2019, “Experimental Study on Compressive Strength of Brick Using Natural Fibres”, ‘International Journal of Engineering’, Vol. 32, No. 6 pp 799-804, Published : June 2019.

2. **Gandla Nanabala Sreekanth**, Shaik Ruksana, 2019, “Modelling Early Age Shrinkage of Concrete”, ‘International Journal of Recent Technology and Engineering(IJRTE)’. ISSN: 2277-3878, Volume-8, Issue-2. Published : July 2019. (SCOPUS)
3. **C.Ramanjaneyulu**, 2019, “Experimental Methodology of Optimum Coagulation Activity on River Water using Chemical and Natural Coagulants for Different PH Ranges”, ‘International Journal of Innovative Technology and Exploring Engineering(IJITEE)’. ISSN: 2278-3075, Volume-8, Issue-9S3. Published : July 2019. (SCOPUS)
4. **T.Raghavendra, C.Ramanjaneyulu**, V.Bhuvaneswar Reddy, 2019, “An Experimental Model on the Mechanical Properties of Reactive Powder Concrete by using Cement Replacement of Glass Powder”, ‘International Journal of Innovative Technology and Exploring Engineering(IJITEE)’. ISSN: 2278-3075, Volume-8, Issue-9S3. Published : July 2019. (SCOPUS)
5. **K.Madhan Gopal, G.Sreenivasulu**, Sunkesula Sudhakar, 2019, “An Scrutiny of a RCC Beam by Ansys with Non-Identical Collapsed Mechanisms under Assorted Loading Conditions”, ‘International Journal of Engineering and Advanced Technology(IJEAT)’. ISSN: 2249-8958, Volume-9, Issue-1. Published : October 2019. (SCOPUS)
6. **K.Madhan Gopal**, Sai Geetha Devi M, 2019, “Experimental works on concrete by partial replacement of coarse aggregate with flyash aggregate and cement with silica fume”, ‘International Journal of Engineering and Techniques’. Volume-5, Issue-5. Published : October 2019. (SCOPUS)
7. **J. Joel Shelton**, G. Hemalatha and V. Venkatesh, 2020 , “FE modelling of RC frames with Link Column Frame System under in-plane loading”, ‘CIGOS 2019, Innovation for Sustainable Infrastructure’, pp 251-256. Published : October 2019.
8. **K.Madhan Gopal, G.Sreenivasulu**, C.Sashidhar, D.V. Prudhvi Raj, 2019, “Behavior of Geo-Polymer Concrete by using Fly Ash and GGBS”, ‘International Journal of Recent Technology and Engineering (IJRTE)’. ISSN: 2277-3878, Volume-8, Issue-4. Published: November 2019. (SCOPUS)
9. **B.Naga Kiran**, 2019, “Identification of Blackspot on SH-27 (from Nandyal to Koilakuntla Route) by Using the Accident Severity Index”, ‘Advances in Engineering, Management and Sciences’. Institute of Mechanics of Continua and Mathematical Sciences ISSN: 2454-7190, Special Issue, No-3 Page No’s _ 169-182. Published : September 2019. (E-SCI)

10. Daniel C, Arunraj E, Vincent Sam Jebadurai S, **Joel Shelton J**, Hemalatha G, 2019, “ Dynamic Analysis of Structure using Fluid Viscous Damper for Various Seismic Intensities”, ‘International Journal of Innovative Technology and Exploring Engineering (IJITEE)’, ISSN: 2278-3075, Volume-9 Issue-1, Published : November 2019. (SCOPUS)
11. **Mukherjee, K.** and Mishra, A. K. (2019). Hydro-Mechanical properties of sand-bentonite-glass fiber composite for landfill application, KSCE Journal of Civil Engineering, Springer, 23(11),pp.4631-4640. (IF= 1.428) Published : November 2019 (SCI – E)

International Conferences

1. V.Surya Prathap, **B.Rohini, G.Sreenivasulu, C.Rajaram**, “Effect Of Shear Wall On Seismic Performance Of High-Rise Buildings”, ‘International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD-2019)’, pp. 75-76, Published 13th – 15th September 2019.
2. Rachel Belauh.E, **C.Rajaram**, ‘Evaluation of Seismic damage Parameters for Reinforced Concrete Frame Buildings’, ‘International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD-2019)’, pp. 87-88, Published 13th – 15th September 2019.
3. A.Naveen, **C.Rajaram**, “Estimation of Seismic damage and Retrofitting Measures of Reinforced Concrete Framed Buildings”, ‘International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD-2019)’, pp. 77-78, Published 13th – 15th September 2019.
4. S. Ruksana, M.B.Anoop, **G.N.Sreekanth**, “Modelling of Early Age Shrinkage of Concrete”, ‘International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD-2019)’, Published 13th – 15th September 2019.
5. **B.Harinath**, K.Shyam Babu, “Experimental studies on double blended conventional concrete incorporating silica fume and glass powder as partial replacement of cement”, ‘2019 First International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2019)’, Published 12-14 September 2019

6. **V. S. Phulari** and M. D. Goel, “ Dynamic Response of Tunnel under Blast Loading and Its Blast Mitigation Using CFRP as Protective Barrier”, ‘ 7th International Congress on Computational Mechanics and Simulation ’, pp.1-8 Published 11-13 December 2019.
7. M.Swaroop Rani, **J.Joel Shelton**, “Decrease in Seismic response of RCC 2D frame building by using non linear viscous dampers in opensees tool”, ‘2019 First International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2019)’, Published 12-14 September 2019

National Conferences

1. Naveen Avula, **Chenna Rajaram**, 2019, "A Parametric Study On Seismic Damage And Retrofitting Of Reinforced Concrete Frame Buildings", Proc. of National Conference on Recent Developments in Civil Engineering Infrastructure, MANIT, Bhopal, INDIA. (21-22 September 2019).
2. Surya Prathap, **Chenna Rajaram**, 2019, "Seismic Behaviour Of High-Rise Building With And Without Shearwall", Proc. of National Conference on Recent Developments in Civil Engineering Infrastructure, MANIT, Bhopal, INDIA. (21-22 September 2019).
3. Rachel Eddula, **Chenna Rajaram**, 2019, "Evaluation Of Seismic Damage Parameters Of Reinforced Concrete Sankhu School Buildings, Nepal.", Proc. of National Conference on Recent Developments in Civil Engineering Infrastructure, MANIT, Bhopal, INDIA. (21-22 September 2019).

STUDENT ACHIEVEMENTS

1. 16 final year B.Tech students successfully completed internship program at REPL (Rudrabhishek Enterprises Ltd.)Kurnool Andhra Pradesh from 29th June 2019 to 20th July 2019.
2. 92 students from III B.Tech have successfully completed ‘Automotive-4 Wheeler foundation’ course conducted at RGM CET from 1st July 2019 to 6th July 2019 , by Siemens in collaboration with APSSDC.
3. Four students have been selected for job in campus recruitment drive conducted by FULLHOZZ, Hyderabad on 09/09/2019.
4. A construction company, RVM CONSTRUCTIONS INDIA PVT LTD. , Hyderabad

conducted campus drive on 05/10/2019, a total of 13 students have been selected.

5. STANSON RUBBER PRODUCTS, Chennai conducted campus drive on 14/10/2019 and 8 students have been selected.
6. 13 students have been selected from the recruitment drive conducted by RDS InfoTech, Hyderabad at campus on 25/01/2020.

LIST OF EQUIPMENTS PURCHASED

STRENGTH OF MATERIALS LABORATORY.

S.No	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST(in Rs.)
Equipment added in the academic year 2019-20					
1	21-08-2019	Grips for round specimen 10-25mm UTM 60T	15340	1	15340.00
2	17-08-2019	Conversion kit for 3000kN EDI Digital CTM	107545	1	107545.00
				Total	122885.00