

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. School of Civil Engineering organized a seminar on “Interlinking of Rivers in Andhra Pradesh” on 19th July 2016 by Ravi Kumar M. V, Commissioner COT & Engineer in chief, Irrigation & CAD Department, Andhra Pradesh.
2. Organized XVIII National Level Technical Symposium -RIPPLE -2k16 for B. Tech students on “Trends & Recent Advances in Civil Engineering (TRACE)”- on 09th September 2016.



3. School of Civil Engineering RGM CET, Nandyal organized Two Day Workshop on “Primavera” during 10th & 11th September 2016 (Resource Person: Robokart.com, Technical partner of e-cell IIT Mumbai).

4. School of Civil Engineering organized a seminar on “UK Water network model built and calibration” on 17th September 2016 by Vasu Vadlamani, GM, Pune, Maharashtra.



5. A Seminar was given on by Dr. K. Sukumaran “Role of Teachers in transforming World” on September 3rd 2016 on account of Teachers’ day. The seminar was attended by all the teaching faculty of all department of RGM CET.
6. A FDP ‘Training Total Station’ is organised at RGM CET from 18th to 20th August 2016. Under the supervision of Mr C Krishnama Raju with Mr. Sudarshan, D Hota, AIMIL Ltd is organised successfully in the department.





FIELD VISITS

1. Department organized an outdoor survey program along the national highway from Santhiram Hospital to RGM campus on 29th July 2016 for IV B.Tech students under the guidance of Dr. G. Sreenivasulu and Mr. C. Krishnama Raju.



2. Department organized an outdoor survey program at Pinnapuram Tank on 30th July 2016 for IV B.Tech Students under the guidance of Dr. G. Sreenivasulu Mr. C. Krishnama Raju.
3. III B.Tech and IV B.Tech I Semester students had a one day industrial visit to Srisailem along with HOD Dr. G Sreenivasulu, Dr. T. AppaReddy, Mr. C. Krishnama Raju, G. N. Sreekanth, K. Kiran Kumar Reddy, B. Harinath, E. Hanuman Sai Gupta, N. Roopa, B. Rohini & Ch. Maheshwari on

25th September 2016. A total of 123 students visited.



FACULTY ACHIEVEMENTS

1. Dr. G. Sreenivasulu has undergone a training program on “Integrated 1D & 2 D Urban Flood Modelling using Mike Urban and MIKE Flood” during 11th July to 13th July 2016 held at NIT Warangal.
2. Mr.B. Naga Kiran has participated in TEQIP-II sponsored short term training program on “Recent trends in Transportation Engineering” organized by Department of Civil Engineering, National institute of Technology, Tiruchirapally during 11-16 July 2016.
3. Mr. Kuruva Mahesh has attended a one day International Symposium on 3D printing of Concrete IIT madras ON 8TH August 2016.
4. Mr. C. Krishnama Raju, Mr. K. Madhan Gopal, Mr. K. Kiran Kumar Reddy, Mr.C. Ramanjaneyulu, Mr. B.Naga Kiran, Faculty of Civil Engg Department has participated in the workshop on Internet of Things held on 13-15th August 2016 at RGM College of Engineering and Technology.
5. Mr. C.Krishnamaraju, Associate Professor and Mr. B Bhaskar, Assistant Professor, has participated in Three Day FDP on “Training on Total Station” at RGM CET Nandyal on 18th to 20th August 2016.
6. Mr. C.Krishnamaraju, Associate Professor and Mr. B Bhaskar, Assistant Professor has Participated in workshop on “PRIMAVERA” at RGM CET Nandyal on 10th Sep 2016 to 11th Sep 2016.

7. Mr GN Sreekanth acted as Chief faculty co-ordinator for TRACE 2k16 held from 10th September 2016 to 11th September 2016.
8. Mr. C. Krishnama Raju has participated in a 1 week workshop on Recent Advancements in Soil Dynamics held at IIT Kanpur from 13th September to 17th September 2016.
9. Mr. Syed Talha Zaid, Assistant Professor and Mr. G N sreekanth, Assistant Professor ,has participated in a one day workshop on Damage assessment of RC buildings using NDT Techniques held at VIT University on 17th September 2016.
10. Dr. C. Rajaram acted as resource person for lecture on "Introduction to Earth Quake& pounding of buildings" at IIIT Hyderabad from 21st to 23rd September 2016.
11. Mr. K. Madhan Gopal, Assistant Professor, has participated in advanced course on LIFE Enhancement of RC Structural Components through repair and Retrofit organized by CSIR during 23-25th September 2016.
12. Dr.C.Rajaram, Assistant Professor has participated in the one day Workshop on “Earthquake Resistant Design of Structures (Draft IS1893-2016) at IIIT Hyderabad on 24th September 2016.
13. Dr. G. Sreenivasulu, Professor, has participated in a one week STTP at IIT Chennai on Environmental System Modeling from 3rd to 8th October 2016.

PUBLICATIONS

Journal Articles

1. Ajay Kumar Sreerama, **ChennaRajaram**, Shashank Mishra, Ramancharla Pradeep Kumar, and AnupKaranath: "*Rapid Visual Screening of Different Housing Typologies in Himachal Pradesh, India*", Natural Hazards, Vol.85, No.3, pp. 1851-1875 (SCI).
2. AllacheruvuRaghavendra, **T. Appa Reddy**, **G. N. Sreekanth**, “Comparative Seismic Study on Strengthening of Floating Column Building using Bracings”, International Journal of Advances in Mechanical and Civil Engineering, Vol-3, Issue-5, October-2016. ISSN:2394-2827
3. G. Mounica¹, **B. L. Agarwal²**, "Seismic Analysis of Fixed based and base isolated structures" International Journal of Advanced Technology in Engineering and Science, Vol. No. : 4, Issue no. 8, August 2016. ISSN: 2348-7550.
4. M.Venkatasivudu¹, **K. Madhan Gopal²**, **G.Sreenivasulu³**“Experimental investigation on the mechanical properties of concrete by partial replacement of cement with marble powder & rice-husk-ash” International Journal of Advance Research in Science and Engineering.Vol.No.5,Issue No.08,August 2016.pp.324-332. ISSN2319-8354.

5. S. Kranthi kumar¹, **K. Madhan Gopal**², **G.Sreenivasulu**³ “Experimental investigation on the properties of concrete replacing cement with metakaolin, fly-ash brick powder” International Journal of Advance Research in Science and Engineering.Vol.No.5,Issue No.08,August 2016.pp.333-341. ISSN2319-8354
6. S. Raja Kumar¹, **Sreenivasulu Gopu**², **K. Mahesh**³, "Study on Performance on Cement free concrete using Alkaline Activators" International Journal of Innovative Research in Science and Engineering" Volume -2, Issue August 8th 2016. ISSN: 2454-9665.
7. B. Bhavani, **Mr. C. Krishnama Raju**, **Mr. S. Talha Zaid** (2016), “Study on workability characteristics of Self-compacting Concrete at Different proportions of Class-F fly ASH and GHBS”, in International Journal of Innovative Research in Science and Engineering, (ISSN: 2454-9665) volume 02, Issue 08, August 2016.

Conference Articles

1. **B. Bhavani, Mr. C. Krishnama Raju, Mr. S. Talha Zaid** (2016), “Study on workability Characteristics of Self-Compacting Concrete at Different Proportions of Class-F Fly ASH and GGBS”, Proceedings of two day International Conference on Recent Innovations in Engineering, Science, Humanities and Management, held on 11th-12th August 2016.
2. S. Kranthi Kumar, **K. Madhan Gopal, G. Sreenivasulu** (2016), “Experimental Investigation on the properties of concrete replacement of cement with metakaolin, flyash and brick powder”, Proceedings of two day International Conference on Recent Innovations in Engineering, Science, Humanities and Management, held on 11th-12th August 2016.
3. S. Raja Kumar, **SreenivasuluGopu, K. Mahesh** (2016), “Study on performance of cement free concrete using alkaline activators”, Proceedings of two day International Conference on Recent Innovations in Engineering, Science, Humanities and Management, held on 11th-12th August 2016.
4. M. VenkataSivudu, **K. Madhan Gopal, G. Sreenivasulu** (2016), “Experimental Investigation on the Mechanical Properties of concrete by partial replacement of cement with marble powder and rice husk”, Proceedings of two day International Conference on Recent Innovations in Engineering, Science, Humanities and Management, held on 11th-12th August 2016.
5. G. Mounica, **B. L. Agarwal** (2016), “Seismic Analysis of fixed based and base isolates structures”, Proceedings of two day International Conference on Recent Innovations in Engineering, Science, Humanities and Management, held on 11th-12th August 2016.
6. Srinivas. K, **GopuSreenivasulu** "Seismic behavior of Reinforced concrete frame with and without infill wall" Proceedings of International conference on "Innovation in Science and Technology: Opportunities and Challenges" organized by college of Engineering & Technology, Akola in association with ISTE, New

Delhi & IWWA Amravati Centre.

7. **G. N. Sreekanth**, “Comparative Seismic Study on Strengthening of Floating Column Building using Bracings”, International Conference on Civil, Mechanical, Biological and Medical Engineering, Organised by IRAJ Research Forum in association with Institute of Research and Journals held at Bengaluru.

STUDENT ACHIEVEMENTS

1. Final year students Mr. P Rahim Basha and Mohan Babu attended three days workshop on ‘IoT’ at RGM CET Nandyal from 13th to 15th August 2016.
2. R Srujana and T Tarun Sai, Second year students attended event ‘emerging Trends in Environment’ conducted by RGM CET, Department of Chemistry.
3. B Sasi Kumar, Third year student attended workshop on ‘Primavera’ at RGM CET conducted by ROboKart.com in association with E-Cell, IIT Bombay from 10th September 2016 to 11th September 2016

LIST OF EQUIPMENTS PURCHASED

Geodetic Engineering Laboratory (Survey Lab)

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST(in Rs.)
1		Ranging Rods	310.00	20	6510.00
2		Transit Theodolite	13230.00	2	27783.00
3		Trimble M-1 5' Optical Plummet Prizm assembly, graduated telescopic range pole, heavy duty wooden tripod with dual clamp	338153.00	1	355061.00
4		Trimble M-3 5' Total Station with Trimble accessories, laser plummet, prizm assembly graduated telescopic range pole heavy duty wooden tripod with dual clamp	424630.00	1	445861.00
5	29-08-2016	Laser Distance Meter, (Leica Disto D2)	11990.00	1	11990.00
6	29-08-2016	Hand held GPS	16500.00	1	16500.00
7	30-08-2016	Everyday Ultimo Recharger	920.00	1	920.00
				Total	864625.00

CAD & GIS LABORATORY

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST(in Rs.)
1	25-08-2016	Acer Desktops	17724.00	25	443100.00
2	29-08-2016	High Quality HDMI Cable	225.00	1	225.00
3	15-10-2016	Inverter For Cad Lab	336000	1	336000
4	18-11-2016	500GB Dell Computers	31500	9	283500
		1TB HDD Dell computer	52054	1	52054
				Total	

Environmental Engineering Laboratory

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST(in Rs.)
1	07-11-2016	Digital pH meter with electrode	9226.857	2	18453.75
2		Digital nephelometric turbidity meter	15540	2	31080
3		Digital electrical conductivity meter	26223.75	2	52447.50
4		Weighing balance 0.01gm accuracy	18454	1	18454
5		Weighing balance 0.001 accuracy	24281.25	1	24281.25
6		Digital D.O Meter	11000	1	11000
7		COD Digester	41411	1	41411
8		Muffle Furnanace	40200	1	40200
9		Distilled Water Plant	19000	1	19000
10		Nessler Tube	155	20	3100
				Total	259427.5