

NIRMAN

A Newsletter from Department of Civil Engineering, R.G.M.C.E.T. Nandyal
Volume 6, No: I, December -2017



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



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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. An Inter departmental seminar is organised under 'NEERU PRAGATHI' to inculcate research habits in UG students at RGM CET on 20th June 2017. Mr. S surya Kumar, Superintendent Engg. Department of Water Resources and Mr R Viswanath, Executive Engg, Dept. of water resources , headed over the session.

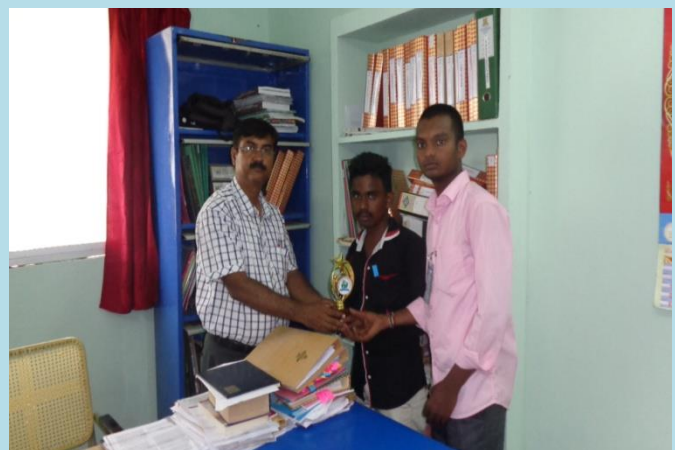




2. Dr. C. Rajaram gave a seminar on "**Introduction to Latex** " on 22nd July 2017. The seminar was attended by faculties of all departments and IV B.Tech students of Civil Engineering. It was attended by Dr. G. Sreenivasulu, Dr. M. Sunandana Reddy, Mr. B. Naga Kiran, Mr. K. Madhan Gopal, Mr. E. Hanuman Sai Gupta, Mr. A. P. Abhishek and faculty of other departments.



3. **TRACE 2k17** has been organised successfully from 14th to 16th September 2017



4. A workshop on ‘ **Introduction to SAP2000**’ was conducted by Dr. C Rajaram, Assistant Professor, Dept. of CE, RGM CET on 14/09/2017. A total of 164 students attended it.



5. A seminar on ‘ **Constructional aspects in structural engg**’ is delivered by Dr. Sree Rama Chandra Murthy, Professor, Andhra University on 28/12/2017. A total of 177 students attended it .



FIELD VISIT

IV B.Tech students had a three day field visit to different village and Mandal of Kurnool district as part of Neeru Pragathi program organized by water resources department, government of Andhra Pradesh from 27th to 29th June 2017.

FACULTY ACHIEVEMENTS

1. **Mr G.N. Sreekanth, Mr. C. Ramanjaneyulu , Dr. K. Sukumaran Mr. C. Krishnama Raju** , attended a two day workshop on "Self-awareness - Being Conscious" organized by Department of English, RGM CET Nandyal from 18th to 19th July 2017.
2. **Dr. G. Sreenivasulu, Mr. B. Naga Kiran, Dr. M. Sunandana Reddy, Mr. E. Hanuman Sai Gupta, Mr. K. Madhan Gopal , Mr. A. P. Abhishek** attended an Interdepartmental Training program on "Introduction to Latex" organized by School of Civil Engineering on July 22nd 2017.
3. **Dr. K. Sukumaran** attended an "Indian Lean Construction Conference (ILCC 2017)" on 28th and 29th July 2017.
4. **K. Madhangopal and B.NagaKiran** has attended eight days workshop on teacher training program organized by APSCHE & BRITISH COUNCIL from 10-07-2017 - 14-07-2017 & 24-07-17 to 28-07-17.
5. **Dr. G. Sreenivasulu, Dr. M. Sunandana Reddy , Mr. C. Krishnama Raju , Mr. Syed Talha Zaid , Mr. T. Raghavendra Mr. C. Ramanjaneyulu ,Mr. B. Harinath, Mr. B. Naga Kiran, Mr. K. Madhan Gopal ,Mr. C. Sashi Kiran ,Mr. G. N. Sreekanth** , attended a two day workshop on "Introduction to SAP2000" organized by School of Civil Engineering, RGM CET from 15 to 16th September 2017.
6. **Dr. K. Sukumaran** participated in FDP organized by Santhiram College of Pharmacy on Teaching Effectiveness " on 14th October 2017.
7. **Dr. K. Sukumaran** attended 78th Annual Day of Indian Road Congress at Bangalore from 3rd November to 6th November 2017.

8. **B. Bhaskar** attended a faculty development program at Indian Institute of Technology, Madras on "Stability Design of Steel Structures" from 6th November to 11th November 2017.
9. **E. Hanuman Sai Gupta** attended a faculty development program at Indian Institute of Technology, Madras on "Stability Design of Steel Structures" from 6th November to 11th November 2017.
10. **Dr. M. Sunandana Reddy** has participated and presented a paper in International conference on Innovation and Sustainable Earth & Engineering on "Delineation of Ground Water potential zones in South East part of Anantapur district by using Remote Sensing & GIS applications" at Karunya University, Coimbatore.

PUBLICATIONS

Journal Articles

1. **Bangaram Naga Kiran** ,NekkantiKumaraswamy , ChundupalliSashidhar, 2017. "A Review of Road Crash Prediction Models for Developed Countries", American Journal of Traffic and Transportation Engineering,. 2017; 2(2): pp.10-25. Published: July 13, 2017. [DOI-10.11648/j.ajtte.20170202.11] (SCOPUS)
2. **Madhan Gopal Kallutla, SreenivasuluGopu**, G.Madhava Krishna Reddy, C.Sashidhar, 2017, "Experimental Studies on Blended Concrete with Chemically Cured Coarse Aggregate ", International Journal of Engineering Technology Science and Research, Vol.4, Issue 8, pp.202-213. Published: August, 2017 (UGC Approved Journal)
3. **Dr.ChennaRajaram**, Thota Gayathri, 2017, "Study on Behaviour of Lateral Torsional Buckling for Beams", International Journal of Electronics,Electrical and Computational System, Vol.6, Issue 8, pp.265-275. Published: August, 2017 (UGC Approved Journal)
6. **Dr.ChennaRajaram**, Sindala Raju, 2017, "Seismic Base Isolation of Multi-Storey Building ", International Journal of Electronics,Electrical and Computational System, Vol.6, Issue 8, pp.197-202. Published: August, 2017 (UGC Approved Journal)
7. **ChennaRajaram**, M.Madhu Mohan Reddy, 2017, "Seismic Analysis of Concrete Gravity Dam", International Journal of Engineering Technology Science and Research, Vol.4, Issue 8, pp.244-249. Published: August, 2017 (UGC Approved Journal)

8. **C.Krishnama Raju, S.Talha Zaid**, B.Chandraiah, 2017, "Variation of Compressive Strength and Split Tensile Strength of M40 Self Compacting Concrete with Different sizes of Coarse Aggregate ", International Journal of Engineering Technology Science and Research, Vol.4, Issue 8, pp.279-285. Published: August, 2017 (UGC Approved Journal)
9. **G.N.Sreekanth**, G.Sunil Reddy, Dr.S.Balamurugan, 2017, "Load Bearing Capability of CFST Columns with and without Shear Connectors", International Journal of Engineering Technology Science and Research, Vol.4, Issue 8, pp.186-194. Published: August, 2017 (UGC Approved Journal)
10. KandukuriSunitha, **Mr.Kiran Kumar Reddy**, 2017. “ Seismic analysis of Multistorey Building with Floating Column by Using Etabs”, ‘International Journal of Engineering Technology Science and Research’, pp.933-943. ISSN : 2394-3386, Volume 4, Issue 8, Published : August 2017.
11. **T.Raghavendra**, M.Satyanarayana Reddy, 2017, "Experimental Investigation on the Combined Effect of Mechanical Properties On Self Compacting Concrete with Fly Ash and Rice Husk Ash", International Journal of Computer & Mathematical Sciences, Vol.6, Issue 8, pp.87-90. Published: August, 2017 (UGC Approved Journal)
12. **E.Hanuman Sai Gupta**, K.Gangadhar, 2017, "Physical Properties of Self Curing Concrete by using Polyethylene Glycol ", International Journal of Engineering Technology Science and Research, Vol.4, Issue 8, pp.250-256. Published: August, 2017 (UGC Approved Journal)
13. Ajay K.Sreerama, **ChennaRajaram** and Ramancharla Pradeep Kumar, 2017. Correlation between rapid visual survey and Possible damage of a building, Indian Concrete Journal. 2017; Published: September 2017.

Conference Articles

1. **Madhan Gopal**, C. RasoolBasha, **SreenivasuluGopu**, Sashidhar. C 2017. “Influence of Corrosion Inhibitor on Compressive Strength and Corrosion Resisting Properties of BLended Concrete”, ‘International Conferences on Recent Trends in Engineering and Technology’, ISBN 978-93-86638-14-4 published : July 2017.
2. **Madhan Gopal Kallutla**, **SreenivasuluGopu**, G.Madhava Krishna Reddy, C.Sashidhar,

- 2017, "Experimental Studies on Blended Concrete with Chemically Cured Coarse Aggregate ", 6th International Conference on Research Trends in Engineering, Applied Science and Management, ISBN: 978-81-934288- 0-1 pp.716-727. Published: 6th August 2017
3. **ChennaRajaram**, M.Madhu Mohan Reddy, 2017, "Seismic Analysis of Concrete Gravity Dam", '6th International Conference on Research Trends in Engineering, Applied Science and Management', ISBN: 978-81-934288-0-1pp.791-796. Published: 6thAugust 2017.
 4. **Dr.ChennaRajaram**, Thota Gayathri, 2017, "Study on Behaviour of Lateral Torsional Buckling for Beams", '6th International Conference on Research Trends in Engineering, Applied Science and Management', ISBN: 978-81-934288-0-1 pp.825-835. Published: 6thAugust 2017.
 5. **Dr.ChennaRajaram**, Sindala Raju, 2017, "Seismic Base Isolation of Multi-Storey Building ", '6th International Conference on Research Trends in Engineering, Applied Science and Management', ISBN: 978-81-934288-0-1 pp.801-806. Published: 6thAugust 2017.
 6. **G.N.Sreekanth**, G.Sunil Reddy, Dr.S.Balamurugan, 2017, "Load Bearing Capability of CFST Columns with and without Shear Connectors", 6th International Conference on Research Trends in Engineering, Applied Science and Management, ISBN: 978-81-934288-0-1 pp.651-659. Published: 6thAugust 2017.
 7. **T.Raghavendra**, M.Satyanarayana Reddy, 2017, "Experimental Investigation on the Combined Effect of Mechanical Properties On Self Compacting Concrete with Fly Ash and Rice Husk Ash", 6th International Conference on Research Trends in Engineering, Applied Science and Management, ISBN: 978-81-934288- 0-1 pp.797-800. Published: 6thAugust 2017.
 8. **E.Hanuman Sai Gupta**, K.Gangadhar, 2017, "Physical Properties of Self Curing Concrete by using Polyethylene Glycol ", 6th International Conference on Research Trends in Engineering, Applied Science and Management, ISBN: 978-81-934288-0-1 pp.807-813. Published: 6thAugust 2017.

STUDENT ACHIEVEMENTS

- 25 students from Civil Engineering Department participated in RGM-SANGRAM (Sports meet) Held from 15th to 17th September 2017 at RGM CET. The following are the list of students who participated :



Sno	Student Name	Event	Prize
1	Y. Charan	Basket Ball	Winner
2	D. Naresh	Basket Ball	Winner
3	M. Pavan Sai	Basket Ball	Winner
4	B. Divya	Basket Ball	Runner
5	Tejaswini	Basket Ball	Runner
6	B. Divya	Throw Ball	
7	Visweswari	Throw Ball	
8	Mounika	Throw Ball	
9	Visweswari	Volley Ball	
10	Mounika	Volley Ball	
11	ShyamCharan	Volley Ball	
12	Shiva Kumar	Volley Ball	
13	Sravani	Tennikoit	
14	GeethaSree	Tennikoit	
15	Mounika	Tennikoit	
16	Gayathri	Ball badminton	
17	Kumarswamy	Ball badminton	
18	M. Vinod Kumar	Kabaddi	Runner
19	B. Tirumala Madhu	Kabaddi	Runner
20	Bharath	Hand Ball	
21	Balram	Hand Ball	
22	A. CharanTej	Badminton	
23	V. ShyamCharan	badminton	
24	Sudhakar	Cricket	
25	Harideep	Cricket	

2. B Sasi Kumar , Final year student attended workshop on ‘Introduction to SAP’ at RGM CET from 15th September 2017 to 16th September 2017
3. Third year students M Sravan Kumar Reddy and B Rajesh participated in paper presentation in National Level Techno-cultural fest “Mohana Mantra’ organised by SreeVidyaniketan Educational Institutions, Tirupathi from 25th -27th September 2017.
4. M .Pawan Kumar, G Ravi Kumar Yadav, C MadhuAnjaneyulu, participated in short course on ‘Hydraulic Modelling of reservoir and appurtenant structures’ organised C.W. & P.R.S., Pune during 5th -6th October 2017.

LIST OF EQUIPMENTS PURCHASED

GEODETIC ENGINEERING LABORATORY (SURVEY LAB)

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST(in Rs.)
1	25-09-2017	Wooden cross staff	550	5	2750
2	25-09-2017	Prismatic compass	1600	5	8000
				TOTAL	10750.00

CAD & GIS LABORATORY

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST(in Rs.)
1	27-10-2017	Dell 1TB Computer	53000	20	1060000
				Total	1060000.00