

NIRMAAN

A Newsletter from Department of Civil Engineering, R.G.M.C.E.T. Nandyal

Volume : 9, No : II, July -2018



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



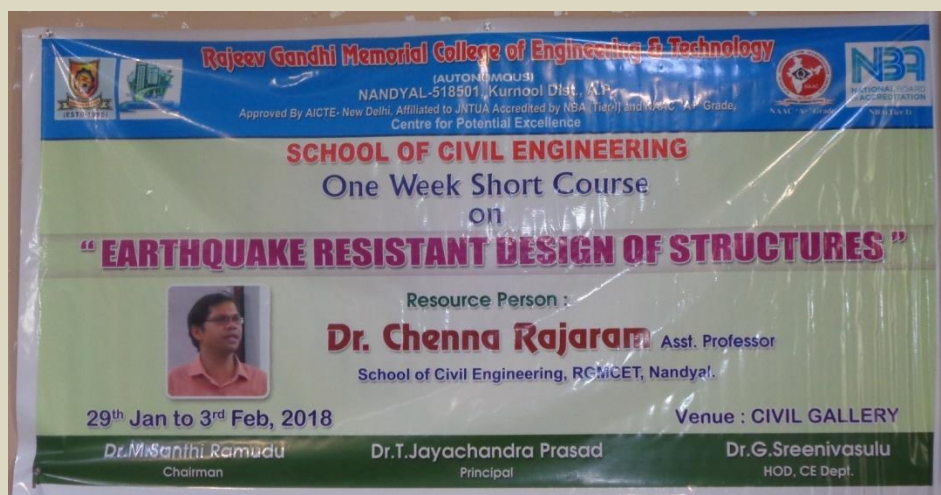
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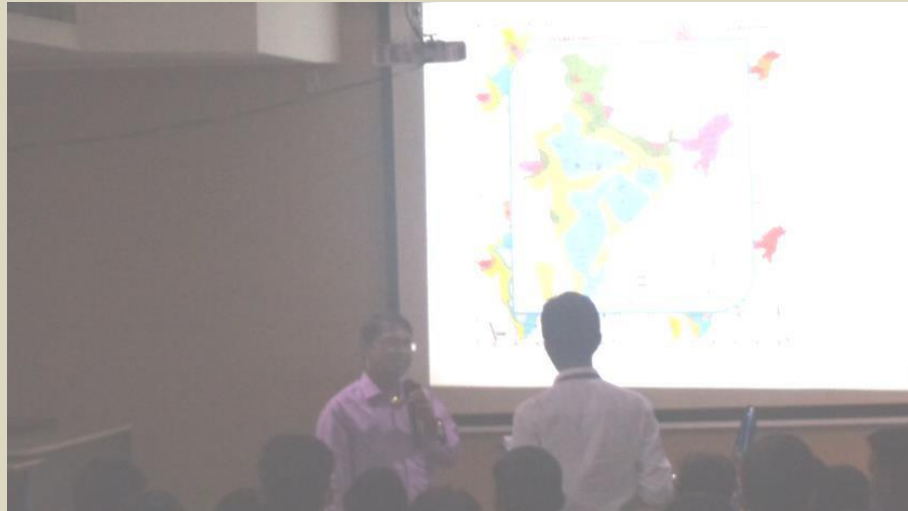
Editorial

It is a great pleasure to present before you the 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. A 6 days short term course on “Earthquake Resistant Design of Buildings” is organised by the department. Dr. C Rajaram is the resource person who conducted the course for 42 students from 24th January 2018 to 3rd February 2018.

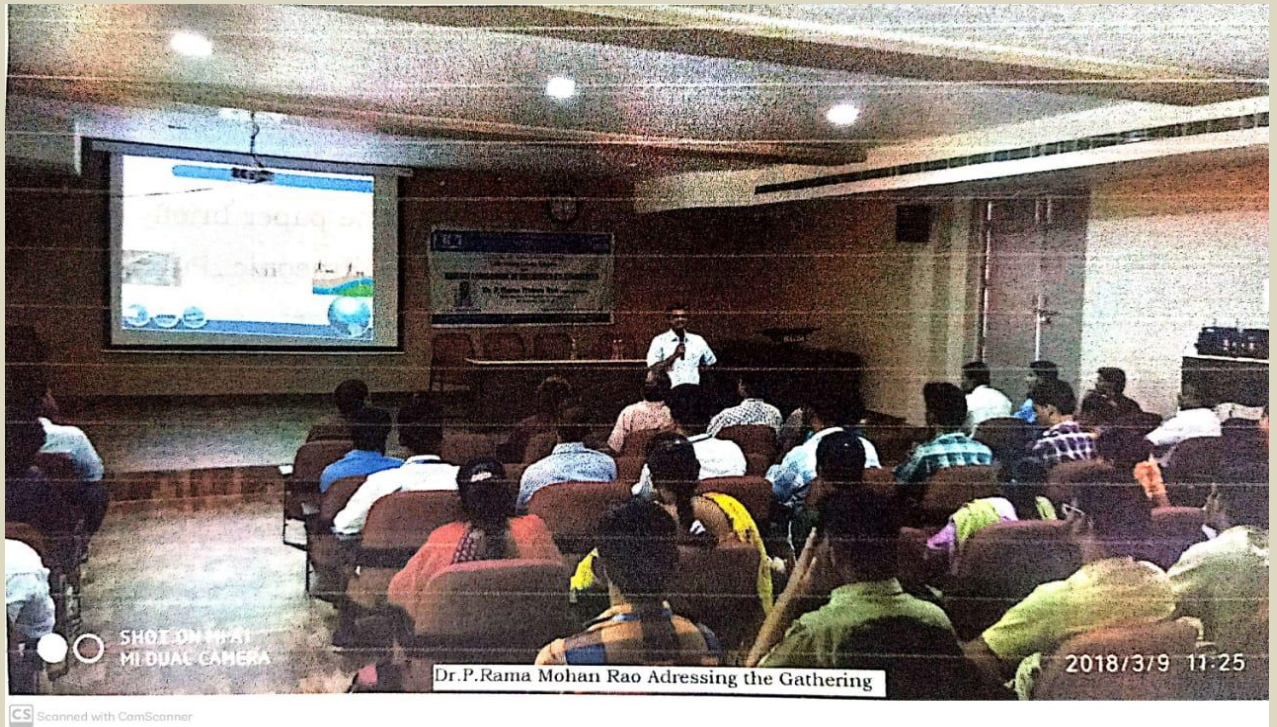




2. APSSDC in collaboration with Department of Civil Engg conducted workshop on ‘ 3DS Max Software ‘ for II B.Tech and III B.Tech students from 9th February 2018 to 11th February 2018.



3. A guest lecture on ‘ Damage Assessment of distressed RC Buildings’ was delivered by Dr. P Rama Mohan Rao, Professor , VIT Vellore on 9th March 2018.



4. An In-House Training Program is conducted on ‘Total Station Surveying’ by department of Civil Engg. On 18/06/2018. A total of 34 members attended it. The resource person for this program is Mr. B Bhaskar, Assistant Professor, Dept. of CE, RGM CET.



5. ALUMNI MEET 2018 is conducted by department on 18/02/2018. A total of 176 alumni attended the meet and made it successful.



FIELD VISIT

1. To experience real working space and environment of construction , Site visit is arranged to RMC Plant at Kowlur, Nandyal ; Flyover bridge at venkateswarapuram, Nandyal and construction of building with focus on slab reinforcement at Santhiram Hospital , Nandyal , on 9th January 2018. A total of 400 students from II B.Tech and III B.Tech attended along with 11 faculty members.



Bridge Construction at Venkateshwarapuram

2. To enhance the knowledge in Survey using Total station, a survey camp is conducted for final year students to Kaiwara, Karnataka from 26/04/18 to 30/04/2018 . A total of 48 students and 4 faculty members attended it .



3. Faculty visited Polavaram Dam during Construction on 06-05-2018.



Faculty visited Polavaram Dam during Construction

FACULTY ACHIEVEMENTS

1. Dr. K. Sukumaran, Dr. T. Appa Reddy and Dr.G. Sreenivasulu, attended two day workshop on Dealing with millenials learners organized faculty enablement program on Department of English & management studies from 08-12-2017 to 09-12-2017.
2. G.N.Sreekanth has attended one day workshop on faculty development program on faculty intelligence learning model in JNTU Ananthapur from 08-12-2017.
3. Ms B. Bhavani and Ms K. Lakshmi Priya, attended three day workshop on advanced technical training program on Interior design using 3Ds max organized by department of civil engineering,VVIT COLLEGE from 14-12-17 to 16-12-2017.
4. All the department faculty members attended a one day seminar on Constructional aspects in Structural Engineering organized by School of Civil Engineering with resource person as Dr. P. Sree Rama Chandra Murthy, Professor in Civil Engineering at Andhra University, Vishakapatnam on 28th December 2017.
5. Dr. C. Rajaram and Mr. Syed Talha Zaid attended a one week short course on "Earthquake Resistant Design of Structures" organized by School of Civil Engineering, RGM CET from January 29th to February 3rd 2018
6. School of Civil Engineering, RGM CET conducted a 3 day workshop on 3DS MAX

Software with APSSDC collaboration. Totally 42 Participants took part in the short course from 8th to 10th February 2018.

7. Mr. C. Krishnama Raju, Mr. B. Naga Kiran, Mr. K. Madhan Gopal, attended a 3 day workshop on 3DS MAX Software with APSSDC collaboration from 8th to 10th February 2018.
8. All the department faculty attended a One Day FDP on Introduction to Research - Morning: Research Methodologies, Afternoon - Research on Earthquake Engineering on 10-03-2018. The Resource Person was Dr. STG Raghu Kanth, Professor, Dept. of Civil Engineering, IIT Madras.
9. C. Krishnama Raju has attended two days workshop on Introduction to Robotics organized by Rajeev Gandhi memorial college of engineering & technology, from 27-03-2018 to 28-03-18.
10. Dr. T. Appa Reddy and Mr. C Krishnamaraju, attended a workshop on Data Mining and Computing Techniques in Civil Engineering at BITS Hyderabad on 13-04-2018.
11. P.Eapra successfully completed an AICTE approved Faculty Development programme (FDP201X) on “Pedagogy for online and Blended Teaching learning process” conducted by IIT Bombay on 3rd to 30th May 2018.
12. P.Eapra successfully completed an AICTE approved Faculty Development programme (FDP201X) on “Foundation program in ICT for Education” conducted by IIT Bombay on 3rd to 7th Aug 2018.

PUBLICATIONS

Journal Articles

1. Vincent Sam Jebadurai.S, Arunraj.E, Daniel.C, **Joel Shelton.J**, Subukumar.G, Judith EmilianChristy.S.S, Sarala.L, Hemalatha.G, 2017, “Feasibility test of Calcium Lignosulphonate on Clay”, Rasayan Journal of Chemistry, Vol.10, No.4, pp. 1481-1491.
2. **Dr.M.Sunandana Reddy**, J.SadaSivudu and P.Rajesh, 2018, "Application of Geo-Spatial Technologies in Identification of Groundwater Potential Zones", International Journal of(IJSART), Vol.4, Issue 1, pp.230-235. ISSN : 2395-1052 Published: January, 2018 (UGC Approved Journal)

3. **B.Rohini**,C.LakshmiGowri, T.Jyothirmayee, 2018. “Analysis of 2D Frame (G+10) Building on Sloping Ground”, ‘Journal of Emerging Technologies and Innovative Research (JETIR)’, ISSN-2349-5162, pp.37- 44, Volume 5, Issue 2, Published : February 2018.
4. **Dr.M.Sunandana Reddy**, Lakshmi Usha, Anwar Basha, Abhinay, Guru Bhaskar and Kusuma, 2018, "An Experimental Investigation on Hybrid Geopolymer bricks by using Fly-Ash, GGBS, Silica Fume and Kadapa Slab Powder", International Journal of Engineering and Techniques, Vol.4, Issue 2, pp.841-850. ISSN : 2395-1303 Published: March, 2018 (UGC Approved Journal)
5. **BalimidiHarinatha**, P.DurgaVara Prasad, U. Lakshmikanth and Y.Harikumar Reddy 2017, "Experimental Study on Compressive Strength of Cement Concrete Cubes by Partial Replacement of Cement with Egg Shell Powder", International Journal of Engineering Research & Technology, Vol.7, Issue 3, pp.153-155. Published: March, 2018 (UGC Approved Journal)
6. P.ParimalaVasavi,**Dr.G.Sreenivasulu**, **B.Rohini**, 2018. “Seismic Analysis of Buildings Resting on Sloped Ground and Considering Bracing System using ETABS”, ‘International Journal of Creative Research Thoughts(IJCRT)’, ISSN-2320-2882, pp.264-271, Volume 6, Issue 2, Published : April 2018.
7. **Bangaram Naga Kiran** ,NekkantiKumaraswamy , ChundupalliSashidhar, 2018. “Drivers opinion on road safety for indian national highway 40 passing through kurnool district, andhrapradesh-a questionnaire study”, ‘International Journal of Civil Engineering and Technology’ ; pp.137-151. Published: June 2018.

Conference Articles

1. **Dr.M.Sunandana Reddy**, “Delineation of ground water potential zones in south east part of Anantapur District by using remote sensing & GIS applications”, ‘International Conferences on Innovative Techniques for sustainable Earth & Environment (ICITSEE)’. ISBN 978-93-5288-766-8 published : 11th - 13th December 2017.
2. **J.JoelShelton**,B.Hemalatha, 2018, “ Analytical Investigation to study the Performance of Linked-Column System”, ‘Second International Conference On Advances in Concrete, Structural & Geotechnical Engineering’, pp.509-519. Published : 12thFebraury 2018.

3. **T.Raghavendra, B.Rohini, G.Divya, S.AbdulSharooq, B.Kalyanbabu,** 2018, "Stabilization of Black Cotton Soil Using Terrasil and Zycobond", National Conference On Trends in Science, Engineering & Technology, ISSN: 2320-2882 pp.300-303. Published: February 2018.
4. PoluboinaBalaKasaiah, **ChennaRajaram,** 2018, "A Graphical User Interface for Dynamic Analysis of Multi-Storey Building", National Conference On Innovative Trends in Civil Engineering, ISSN: 2320-2882 pp.136-145. Published: March 2018.
5. B.VijayBhaskar Reddy, G VenkataSubbarayudu, **ChennaRajaram,** 2018, " Graphical User Interface for Constant Strain Triangular Elements Using Finite Element Method", National Conference On Innovative Trends in Civil Engineering, ISSN: 2320-2882 pp.136-145. Published: March 2018.
6. ChilakalaHemalatha, Enjeti Guru Raghava,**ChennaRajaram,** 2018, Seismic Evaluation of Buildings Stock in Kurnool District Through Rapid Visual Screening", National Conference On Innovative Trends in Civil Engineering, ISSN: 2320-2882 pp.136-145. Published: March 2018.
7. G.Venkata Krishna Reddy, K.Tharun Paul Thyagaraj, **B.Bhaskar, ChennaRajaram,** 2018, "Study of Torsional Behaviour of Irregular Buildings", National Conference On Innovative Trends in Civil Engineering, ISSN: 2320-2882 pp.136-145. Published: March 2018.

STUDENT ACHIEVEMENTS

1. B Divya(final year student), S Visweswari(Pre-final year student) and M Mounika(Pre-final year student) , with title as player attended 3rd senior inter district throw ball championship on 9th and 10th December 2017 at ZPH Tadepalligudem , West Godavari district
2. 8 students attended advanced technical training program –‘Interior design using 3DS Max @ VVITGuntur from 14 -16 December 2017
3. Five students have been selected to Raster Technologies Pvt. Ltd. Hyderabad in a campus recruitmentdrive conducted on 23rd December 2017.
4. Final year students M Siva Krishnaiah, B Raja,S Narendra, S Md Usman, S Sameer

- Ahmed,Md Ahmed Ali, K Adisheshulu, M BalaRangareddy,B Ajay Kumar , G Charankumar Reddy, exhibited model at University Level Engg tech Fest -2k18 organised by JNTU Ananthapur on 27/01/2018.
5. Four of the final year students have been selected in campus recruitment drive conducted for all department final year students by GAMMA BUSINESS PROCESS, Hyderabad on 29/01/2018..
 6. Final year student S Abdul farooq presented a paper in NTSET 2018 (National Conference) during 2nd - 3rd February organised by Matrusri engg College, Saidabad.
 7. M YellaiahYadav , Second year student participated in KLU Memorial trophy 2018 in ‘Football ‘ eventfrom 21st – 24th February 2018.
 8. Pavan Sai, Y Charan and D Naresh ,final year student participated in KLU Memorial trophy 2018 in ‘Basketball ‘ event from 21st – 24th February 2018 and secured 2nd place.
 9. Four Third year students attended workshop on ‘AutoCAD REVIT Architecture ‘ held at VVIT GUNTURon 3rd and 4th. March 2018.
 10. PMRT, Hyderabad conducted a placement drive in the college on 08/03/2018, a total of 10 students havebeen selected for job.
 11. Final year student Bala Kasaiah P, is awarded Best paper at NC-ITCE-2k18 (National Conference) organised by Anurag Institutions, Hyderabad on 16th -17th March 2018
 12. Final year students C Hemalatha, B vijayaBhaskar Reddy, G Venkata Krishna Reddy presented paper at NC-ITCE-2k18 (National Conference) organised by Anurag Institutions, Hyderabad on 16th -17th March2018.
 13. Five final year B.Tech students successfully completed their work as ‘intern’ at RWS & S department in the project named ‘Providing MVS Scheme to Nandyal and Gospadumandals of Nandyalconstituency , Kurnool district’ .The internship is conducted from 1st December 2017 to 8th March 2018.
 14. Ten final year B.Tech students successfully completed their internship programme on ‘Feeding of KommaCheruvu Lake’ at Kalvabugga village from 20th November 2017 to 20th March 2018 under the guidance of Er. Hassan basha ,AEE, Govt. of AP.
 15. K Vasantha, Final year student secured internship training consent in R & B section

Rajampeta.

16. 205 Final year students successfully participated in Project work of GaleruNagariSujalaSravanthi Flood flow Canal Package No.27 ,Panyam under SRBC Division No.2 Panyam ,Kurnool District .(dated 29th March 2018).
17. A Avinash, III B.Tech student successfully completed internship program from 10th May 2018 to 29th May 2018 at JSW Cements Ltd, Bilakagudur ,Kurnool District.
18. In Inter Autonomous Engg Colleges games Tournament conducted from from 03/03/2018 to 01/04/2018, the details of the students participated are listed below :

S.No	Name of the Student	Name of the Event	Place	Month& Year	Prize
1	D.Naresh	Paper Perceive perform	Inter Autonomous Engg Colleges games Tournament	3-3-2018 to 01-04-2018	1 st
2	PAVAN SAI	Paper Perceive perform	Inter Autonomous Engg Colleges games Tournament	3-3-2018 to 01-04-2018	1 st

LIST OF EQUIPMENTS PURCHASED

CONCRETE AND HIGHWAY ENGINEERING LABORATORY

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST(in Rs.)
1	22-03-2018	Bitumen Penetration kit	1473.2	2	2948.23
2		Tapered Ring	460.75	1	543.69
3		Ball Centering Guide	683.1	1	683.1
4		Steel ball of 9.5mm dia	50.45	1	50.45
5		Ring holder	851.96	1	851.96
6		Electric heater	3884.27	1	3884.27
7		Ductility mould with base plate	12740.13	3	38220.4
8		Flash point(Closed) Pensky martens apparatus	21304.68	1	21304.68
9		Flash point and Fire point Pensky martens apparatus	21304.68	1	21304.68
10	24-04-2018	Mini Portable concrete mixer	35400	1	35400
11		Consistency plunger	138.06	3	414.18

12	5-06-2018	Le Chatliers flask	1927.53	2	3855.06
13		Sieve brass frame 20cm 2.36mm	1067	2	2134.62
14		Sieve set	10391.61	1	10391.61
15		Moulds Cast iron 150mm	3132.9	18	56392
16		Cylindrical mould CI 150mm dia 300 height	6122.43	6	36734.58
17		Beam mould	7019.82	3	21059.48
18		Pycnometer	544.5	4	2570.00
				Total	258743

GEOTECHNICAL ENGINEERING LABORATORY

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST(in Rs.)
1	17-04-2018	Electronic Balance	12500	1	12500
2		Electronic Balance(10Kg Max)	7500	1	7500
3	5-6-2018	Core Cutter	3051	2	6012
4		Sand pouring Cylinder	5724	1	5724
5		Pycnometer	643	3	1929
6		Permeability Mould	23300	2	46600
7		Metallic Clamping Rings	807	2	1614
				Total	81879.00

TESTING AND CONSULTANCY PROJECTS

Testing and Consultancy Record from July 2017 to June 2018 amounted to **Rs. 11,92,850.**