

RAJIV

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

Volume 12, No.1, June 2021



RAJIV GANDHI COLLEGE OF ENGINEERING AND
TECHNOLOGY, NANDYAL, AP



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 interpersonal 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.



A News letter from School of Civil Engineering, R.G.M.C.E.T. Nandyal, June-2022

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

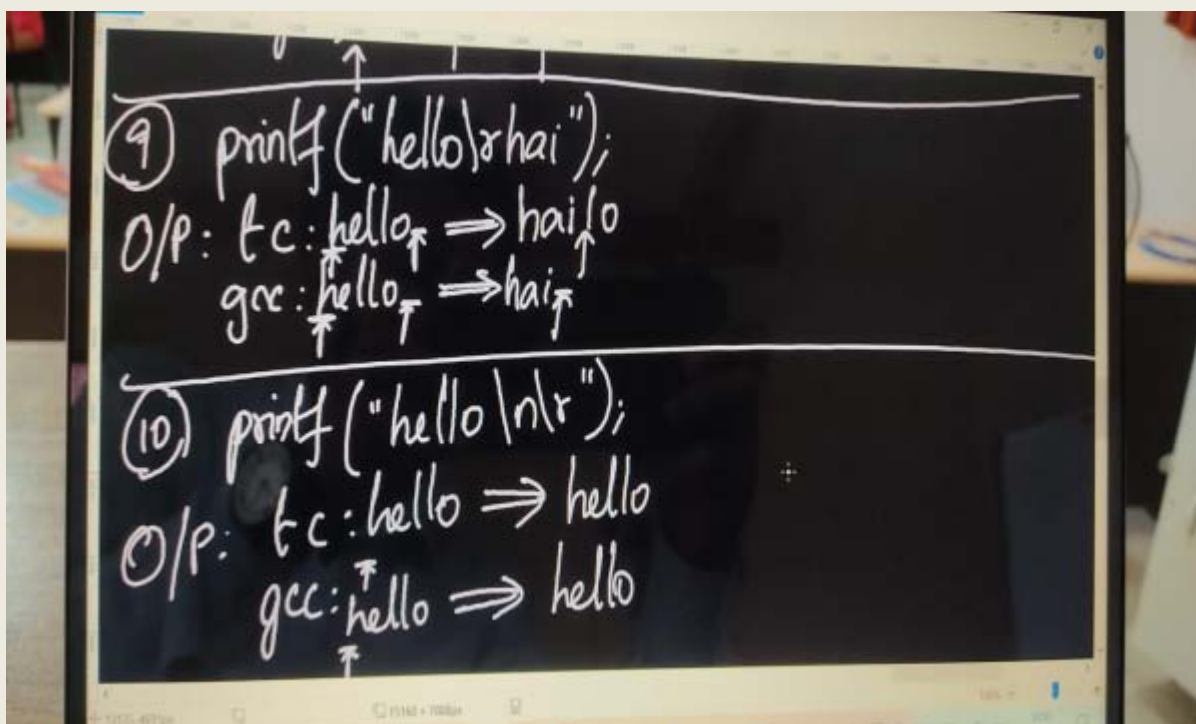
1. For all B.Tech second year students training programs on “Advanced C & Data Structures ” by BYTS Company Coimbatore. These training programs conducting from 19-01-2022 to 30-01-2022. The details about the topic and the resource persons are as listed below :

S. NO	TOPIC	RESOURCE PERSON
1	Advanced C & Data Structures	BYTS Company Coimbatore



Faculty explaining how to write C-Program





2. Department of civil engineering conducted field visit to canal siphon, water treatment plant, sewage treatment plant, aqueduct for all B.Tech third year students on 28-12-2021.No:of students visited=135 and No: of faculty visited=6.The details about the topic and the resource persons are as listed below :

S. NO	TOPIC	RESOURCE PERSON
1	Field Visit on Water Treatment Plant and Waste Water	Department of Civil Engineering, RGM CET Nandyal

	Treatment Plant in Nandyal	
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Flash Mixing



Clariflocculator



Sand Filtration Bed



MBBR Tank



PSF and ACF



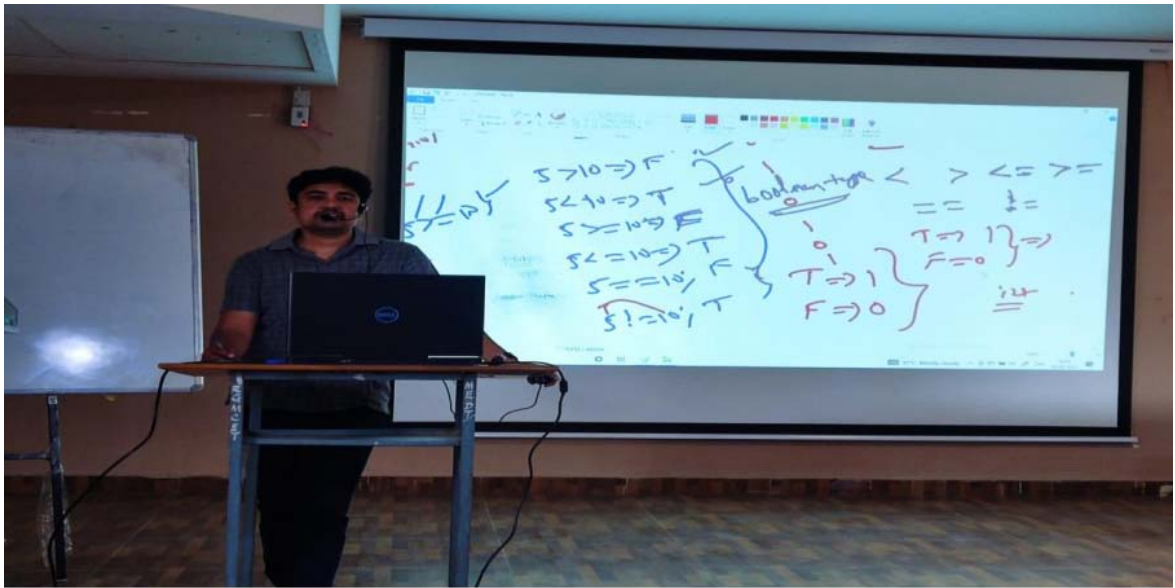
Final collection Tank

3. For all B.Tech III year students- II Semester, CRT Training program on “Advanced C and Data Structures” in coordination with Logic works company, hyderabad from 28/03/2022 to 10/04/2022. No: of students participated=155. The details about the topic and the resource persons are as listed below :

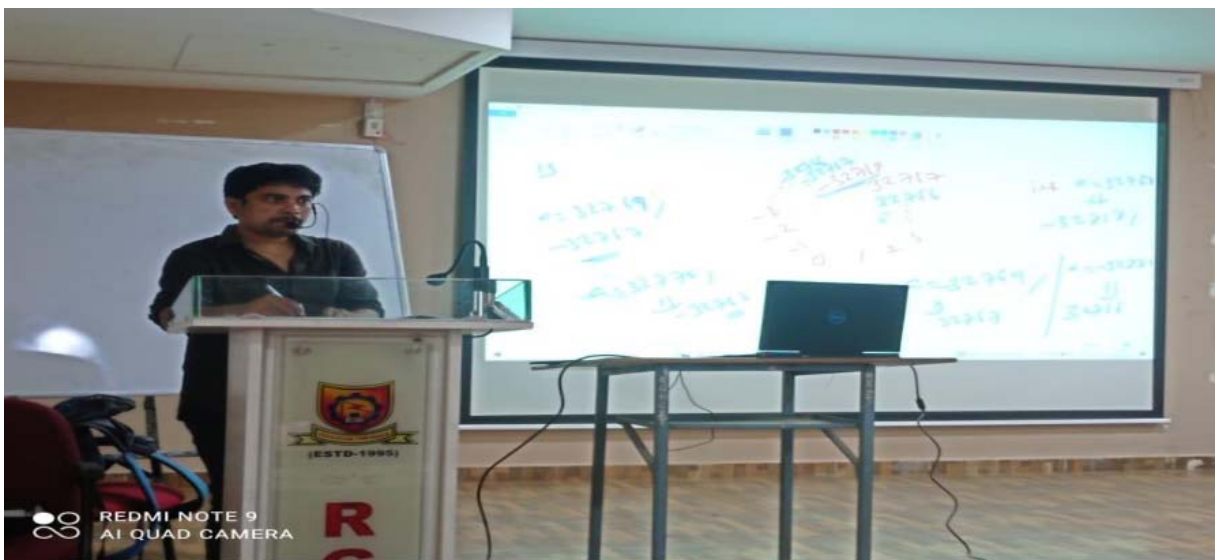
S. NO	TOPIC	RESOURCE PERSON
1	Advance & C-Data Structures	Logic Works, Hyderabad



Number of Students participated in the sessions



Students learning the concepts of C-program



Faculty explaining how to write C-Program

4. School of Civil Engineering conducted field visit to Orvakal Rock Gardens for all B.Tech second year students on 29-03-2022 to 30-03-2022 in which the students were exposed to different types of Rocks and Construction materials. Students 96 and faculty members 8 were attended.



Effect of Weathering on Quartzite



Natural arch due to weathering



5. Department of civil engineering organized 24th National level students technical symposium RIPPLE(TRACE-2K22)-A two day workshop on “Introduction to ANSYS Software” from 20/05/2022 to 21/05/2022.No: of Participants are as follows:

No	Name of the Event	No: of Participants
1	Workshop on ANSYS Software	170
2	Poster Presentation	8
3	Poster Presentation	4
4	Model Making	2
5	Technical Quiz	21(7 teams)
6	Ready Grasp	28
7	Autocad Design	27



Workshop Inauguration by Resource person Dr.P.V.Koteswarao & Dr.G.Sreenivasulu (HODCE-RGMCET)



Launching Souvenir Book



Student giving power point presentation



FACULTY ACHIEVEMENTS

1. Dr. M. Sunandana Reddy got certificate of appreciation for “SMART INDIA INTERNAL HACKTHON-2022” as JURY MEMBER in inspiring engineering students to innovate & create ground breaking solutions.
2. Dr. J. Joel Shelton got invitation from Hindustan Institute of Technology & Science, Chennai as a Resource Person for conducting a Faculty Development Program on Recent Advances In Structural Engineering with topic: “Link Beam Column System for Seismic Resistance of Reinforced Concrete Structures” which was held on 23th June 2022. Meeting Link : <https://tinyurl.com/mrxzpck3>

PUBLICATIONS

Journal Articles

International Journals

1. **Dr.C.Rajaram** and Dr.R. Pradeep Kumar “Simulation of Near-Fault Seismic Ground Motions of 03 November, 2002 Denali Earthquake Using Modified Semi-Empirical Approach” (ESCI journal).
2. MohanaPerumal, SelvaGanapathyVelusamy, Muthusamy Subramanian, P. M. Velmurugan, T. Naveen Raj, Dr.M. Sunandana Reddy published paper on “Heavy metal contamination and the assessment of health risks in groundwater in Arani industrial zones in Southern India” ISSN: 1866-7511, Arabian Journal of Geosciences 15, 948 (2022).
<https://doi.org/10.1007/s12517-022-10223-1>. (SCI-E)
3. Dr.SunandanaReddyM^{1*}, Sai G², Thimmaiah C³, SivaRami ReddyD⁴, HimajaM⁵, MadhuriP⁶, Rajeswari j⁷ Published paper on “Geospatial Technologies in the extraction of Groundwater Potential Zones- A case study of Nandyal Mandal, Kurnool District of Andhra Pradesh, India”. Reddy, AJET, ISSN: 2348-7305, Volume 11, Issue 1, May, 2022 011010011 (8PP). (UGC)
4. Dr.Sunandana Reddy Machireddy¹, Navyatha C², Neelakanteswara Reddy N³, Srinidhi H⁴, Mahesh Naik N⁵, MadhuKumarB⁶ Published paper on “Demarcation of Ground Water Potential Zones using Remote Sensing and GIS Applications”. Machireddy, AJET, ISSN: 2348-7305, Volume 11, Issue 1, May, 2022 011010021 (8PP). (UGC)

STUDENT ACHIEVEMENTS

1. Hearty congratulations to the following Eleven IV B.Tech civil students, who have been selected in the software company Turing minds Hyderabad:
 - 1 K RAJESH
 - 2 B VENKATA VAMSI
 - 3 T VIJAY KUMAR REDDY
 - 4 A MANOJ
 - 5 K ASRAR MOHAMMAD
 - 6 P RADHESH REDDY
 - 7 T RAKIKANTH
 - 8 D SAI KIRAN TEJA
 - 9 H SRINIDHI
 - 10 K SUMANTH
 - 11 S VENKATESWARLUWebsite address: <https://turingminds.ai/>
2. Final year student of civil engineering department Mr.K.Srikanth qualified in GATE-2022 with all india rank 16,351 and with gate score of 319.

3. RGM Group of institution conducted RPL (RGM Premier League) from 12/03/2022 to 14/03/2022. From civil engineering department 102 students participated in this league.
4. For all B.Tech II year FDH students-II Semester French & German, Spanish Courses classes conducted from 04/04/2022 to 08/04/2022.
5. For all B.Tech II year students-II Semester Foreign Language Mid-I, II and Semester exam conducted on 26/04/2022 and 27/04/2022 .
6. For all B.Tech IV year students-II Semester, Semester exams and Main project final viva completed.
7. Department of civil engineering organized 24th National level students technical symposium RIPPLE (TRACE-2K22)-A two day workshop on “Introduction to ANSYS Software” from 20/05/2022 to 21/05/2022. No. of Participants are as follows:

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