

NIRMAAN

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

Volume 14, No.1, June 2023



(ESTD-1995)

**R.G.M.C.E.T COLLEGE OF ENGINEERING AND
TECHNOLOGY, NANDVAL, 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 Newsletter from School of Civil Engineering, R.G.M.C.E.T. Nandyal, June-2023

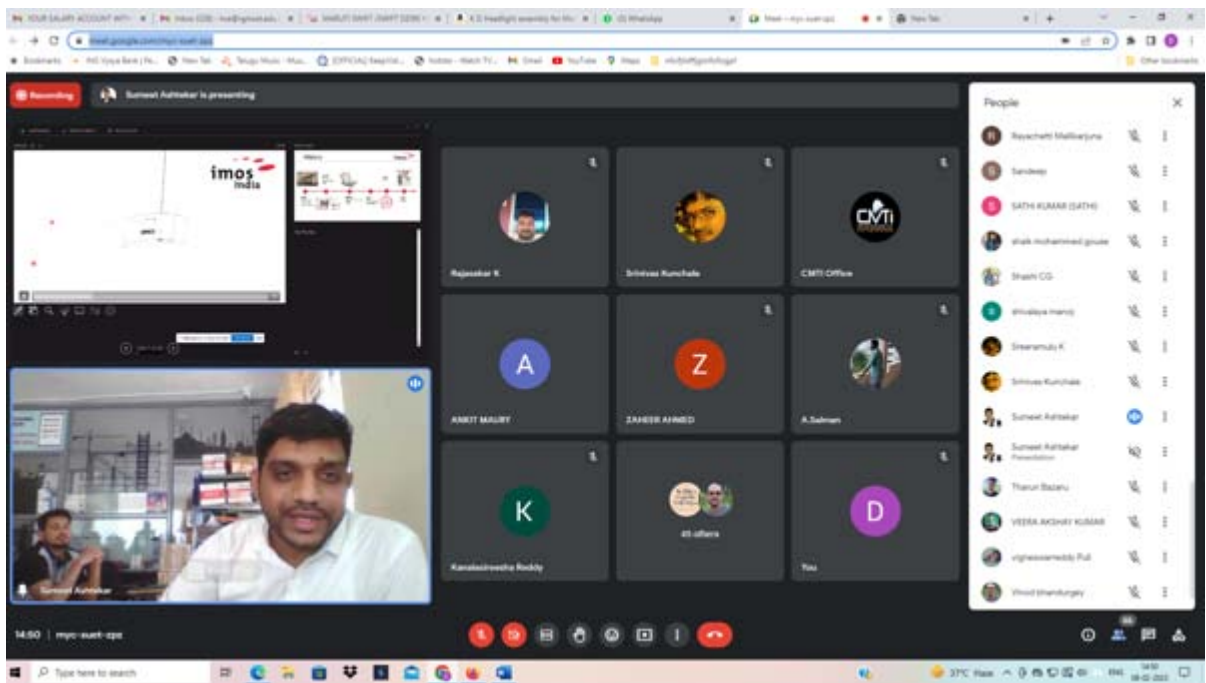
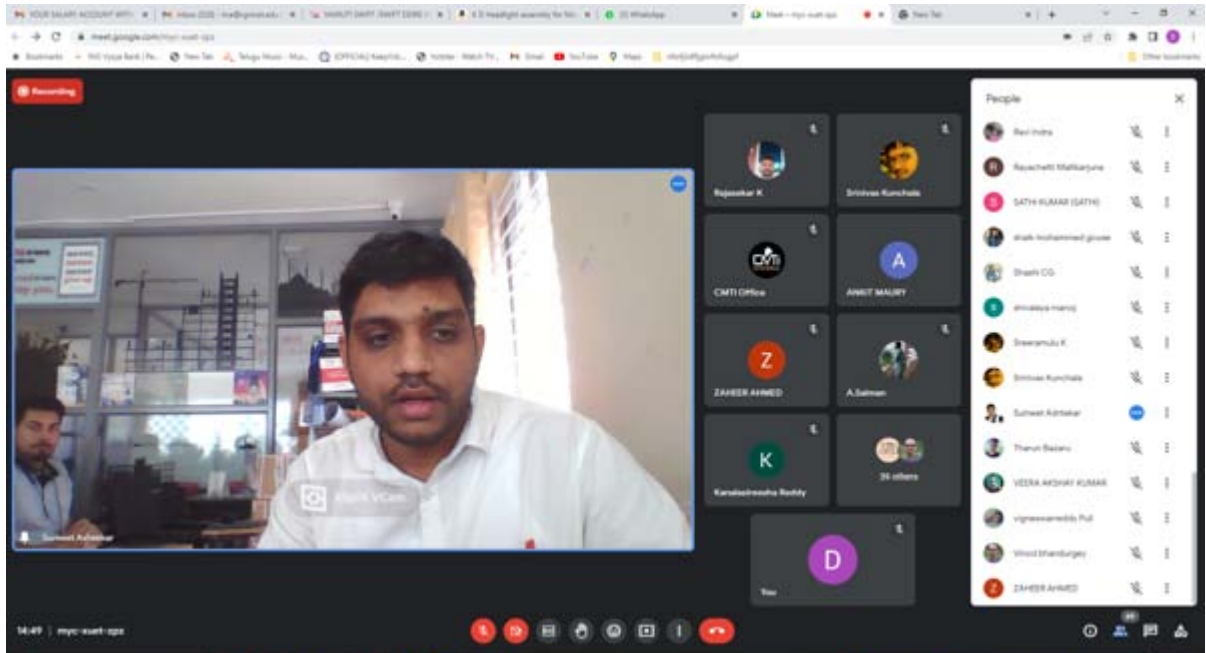
Editorial

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. Department of civil engineering organized International Webinar on “**Introduction to IMOS**” on 08/02/2023 for III - II Sem B. Tech students. No: of students participated = 100. The details about the topic and the resource persons are as listed below :

S. NO	TOPIC	RESOURCE PERSON
1	IMOS SOFTWARE	Mr. Sumeet Ashtekar



Recording | Sumant Ashkar is presenting

History **imos**

imos Globally

- Headquarters
- Branches
- Partners
- Key Partners
- Partnerships
- Partners
- Partnerships

People

- Rajeev K
- Srinivas Kumar
- Srinivas Kumar
- ANKIT MAURY
- ZAHED AHMED
- A.Salman
- Sumant Ashkar
- Sumant Ashkar
- Tharun Dasari
- VEENA ANANDH KUMAR
- vigneshwara Pul
- Vinod Shanmugasundaram

14:50 | myc-saah-ppa

Recording | Sumant Ashkar is presenting

ix Product Portfolio **imos**

ix CAD

- Helps to fix gaps and constraints
- Provides a clear overview
- Provides a clear overview

Business concept

- In Organizer werden Aufträge eingetrigt und dann immer aus dem Organizer generiert
- Hauptteil des Projektteams
- Order übernehmen die Aufgabe der Projekte
- Verwaltung der Daten, Berechnen...
- 3DM
- Configuration CAD

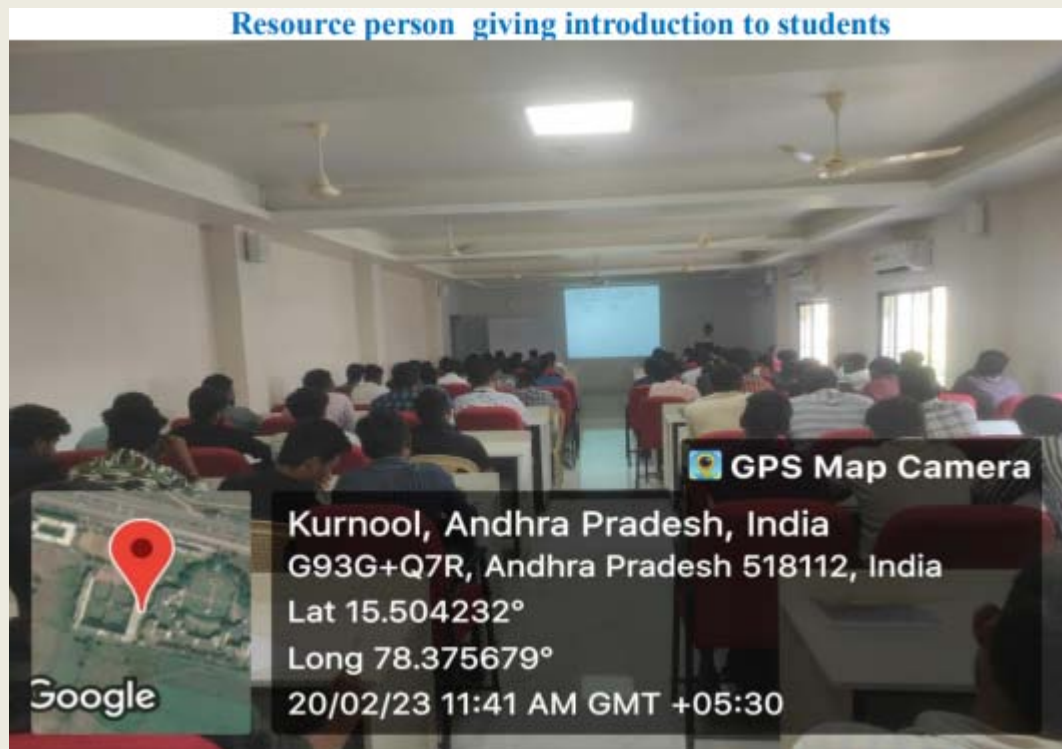
People

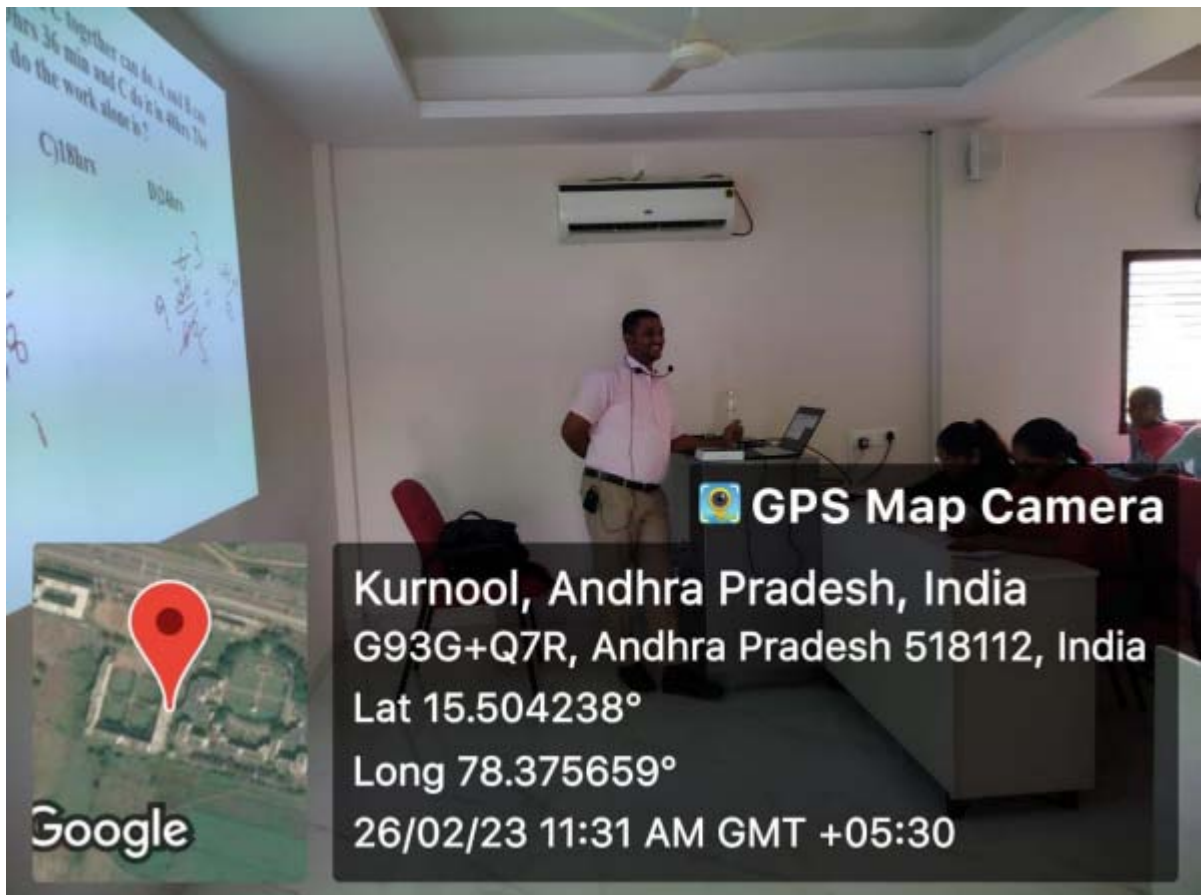
- Rajeev K
- Srinivas Kumar
- Ramanna Ram
- ANKIT MAURY
- ZAHED AHMED
- A.Salman
- Sumant Ashkar
- Sumant Ashkar
- Tharun Dasari
- VEENA ANANDH KUMAR
- vigneshwara Pul
- Vinod Shanmugasundaram

14:58 | myc-saah-ppa

2. For all III - B. Tech II-Sem civil engineering students RGM CET-CDC conducted “**Aptitude Training Program**” from 20/02/2023 to 03/03/2023. No: of students participated = 100. The details about the topic and the resource persons are as listed below :

S. NO	TOPIC	RESOURCE PERSON
1	APTITUDE TRAINING PROGRAM	TALENT SHINE TEAM, VIZAG.







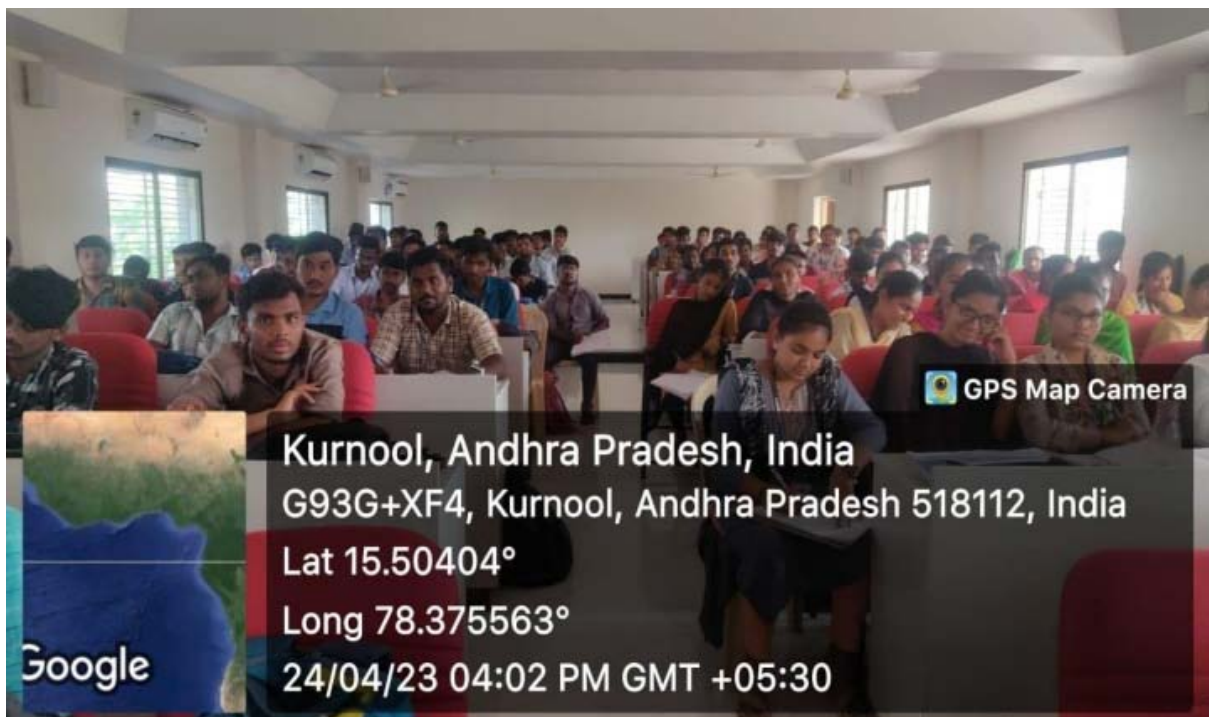


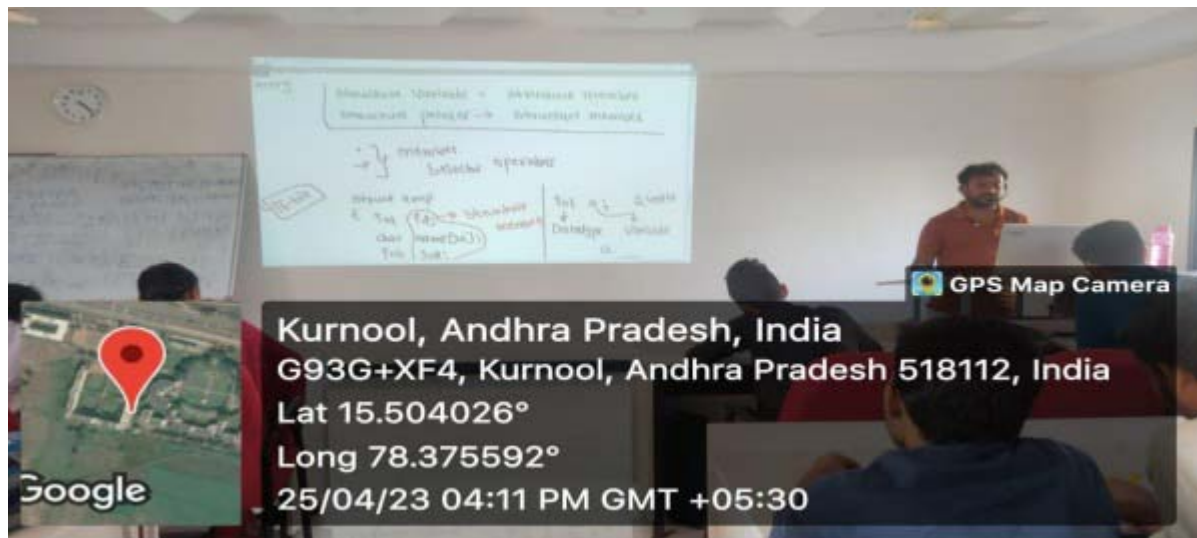
Students practicing exercise problems

3. For all II - B. Tech II-Sem civil engineering students RGM CET-CDC conducted “C++ & Data Structures training program” from 24/04/2023 to 03/05/2023. No: of students participated = 110.

S. NO	TOPIC	RESOURCE PESRON
1	C++ AND DATA STRUCTURES PROGRAMMING	Ms. Bharathkumar, BYTS Company, Coimabatore.

Resource person explaining C++ & Data Structures programs





FACULTY ACHEIVEMENTS

1. “Wavelet Analysis of Near-Field Ground Motions from the Mw 7.6 1999 Chi-Chi Earthquake in Taiwan” [Faisal Mehraj Wani](#), [Mohammed Mujtaba Moid](#), [Kanigiri Chandrakanth Reddy](#), [Jayaprakash Vemuri](#) & [Rajaram Chenna](#). Part of the [Lecture Notes in Civil Engineering](#) book series (LNCE, volume 269). [Recent Advances in Materials, Mechanics and Structures](#) pp 311–319. https://link.springer.com/chapter/10.1007/978-981-19-3371-4_28#chapter-info. 5th October 2022.
2. Department of civil engineering faculty Mr. C. KrishnamaRaju got certificate of Green ThinkerZ™ Society Membership 2023. A Registered society advocating United Nations Sustainable Development Goals (SDG’s):2030. Membership No: GT2023LM0365.

3. **Applicant Name:** Dr. M. Sunandana Reddy (Assoc.Prof in RGM Civil Dept)

*Patent Application No:*202241009449

*Title of Invention:*IoT Based AC Remote Controller Using Google Assistant.

Field of Invention: Communication

4. **Dr. M. Sunandana Reddy** (Faculty Advisor Of GRSS Society Of IEEE) Has Received Approval For A Grant Of \$2200 For The Society Of GRSS Of IEEE, Department Of Civil Engineering, RGM CET.

PUBLICATIONS

JournalArticles

InternationalJournals

1. Faisal MehrajWani,*JayaprakashVemuri ,**ChennaRajaram** , Dushyanth V. Babu R, Effect of soil structure interaction on the dynamic response of reinforced concrete structures , journal homepage: www.keaipublishing.com/en/journals/natural-hazards-research, <https://doi.org/10.1016/j.nhres.2022.11.002>. (Others)
2. **RajaramChenna** · NeelimaPatnala, Pradeep Kumar RamancharlaSeismic hazard and vulnerability scenario of Kathmandu, Nepal and adjacent region , Innovative Infrastructure Solutions (2022) 7:274 <https://doi.org/10.1007/s41062-022-00862-4>. (ESCI).
3. ChamarthyKrishnama Raju1, Ankireddypalli Ganga Chandra Sekhar Reddy2, Thati Sucharitha3, Yeragolla Leelavathi4, BoyaSai Sandeep5 , MallepoguSai Charan6 **“Compressive Strength of Different Grades of SCC Mix Using Portland Slag Cement (70%) and GGBS (30%)”** International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 10 Issue: 01 | Jan 2023 www.irjet.net p-ISSN: 2395-0072. Impact Factor value: 7.529 | ISO 9001:2008 Certified Journal. (Others).
4. Sunandana Reddy Machireddy**Assessment and distribution of groundwater quality using Water Quality Index and geospatial technology in VempalliMandal of Andhra Pradesh, India.** Sustainable Water Resources Management (2023) 9:51 <https://doi.org/10.1007/s40899-023-00828-z>. Published in **springer journal, indexed in Web of Science with Q2 index.**
5. **ChamarthyKrishnama Raju1**, KudumulaSricharan Reddy2, VarikuntlaTejomahi Paul3, MandapatiHari Babu4, Bommu Subbireddy5 , Atmakuru Vijay Kumar Reddy6 **“Effect of PEG 400 Self Curing Compound On Compressive Strength of M25 SCC Mix”** International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-005, Volume: 10 Issue: 04 | Apr 2023 www.irjet.net p-ISSN: 2395-0072. Impact Factor value: 8.226 | ISO 9001:2008 Certified Journal.(Others).
6. **ChamarthyKrishnama Raju1**, KudumulaSricharan Reddy2, VarikuntlaTejomahi Paul3, MandapatiHari Babu4, Bommu Subbireddy5 , Atmakuru Vijay Kumar Reddy6 **“Compressive Strength of Different Grades of SCC Mix With 0.5% Of PEG 400 Self Curing Compound”** International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume: 10 Issue: 03 | Mar 2023 www.irjet.net p-ISSN: 2395-0072. Impact Factor value: 7.529 | ISO 9001:2008 Certified Journal.(Others).
7. **Joel Shelton J**, Basha N, Solomon AA, Daniel C. **“Numerical Investigation of the Effects of Opening on the Strength of Masonry Wall”**. InApplied Mechanics and Materials 2023 (Vol. 911,pp. 19-25). Trans Tech Publications Ltd. (others)
8. Kennedy, B.M.I., **Joel Shelton J.**, Ebanesar, A. and Cruze, D., 2023. **“Seismic performance analysis of RCC benchmark problem with magnetorheologicaldamper”**.Res. Eng. Struct.Mater., 2023; 9(1): 293-308 (Scopus)

9. Solomon, A. Arun, **J. Joel Shelton**, and C. Daniel. "Turning low-density polyethylene plastic waste into plastics bricks for sustainable development" *Materials Today: Proceedings* (2023). (Scopus)
10. G. Yaswanth Kumar¹ , Dr.S. Thenmozhi² , Kuldeep Pathak³ , **Dr. B. Naga Kiran** ⁴ , SwapnilBalkrishna Gorade⁵ , AmrutaJagdish Killol⁶ "Evaluation Of Shear Properties Of Ultra High Strength Concrete" *Journal of Materials Engineering* » Vol (51): Vol. 51 Issue. 1 (2023) ISSN:1005-748X. Publisher: Shanghai Research Institute of Materials. (Scopus)

International Conferences

National Conferences

STUDENT ACHIEVEMENTS

1. Institution's Innovation Council-RGMCET & REDC organized "**HAND CRAFT EXPO**" from 01/11/2022 to 03/11/2022. No: of students participated in that expo from civil engineering department = 5
2. Department of civil engineering organized a "**One-Day field visit to Gorukallu Dam**" for all III - B. Tech I-Sem civil engineering students i.e; on 05/11/2022.No: of students participated=112
3. Department of civil engineering organized a "**One day seminar on – Career Opportunities through GATE**" for all II & III - B. Tech I-Sem civil engineering students on 23/11/2022.