



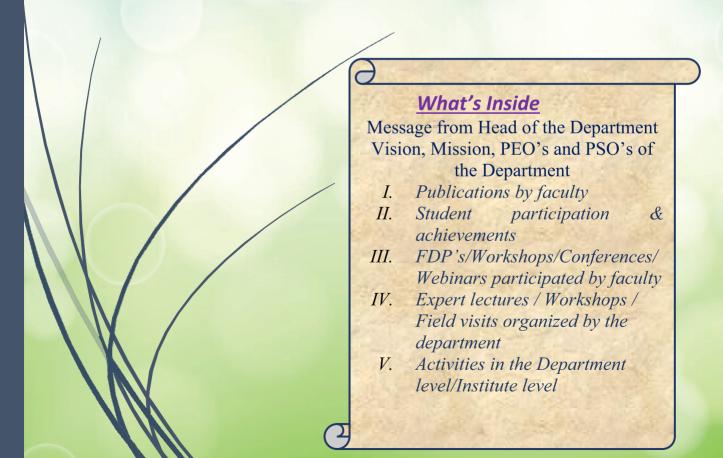
GEETHANJALICOLLEGE OF ENGINEERING AND TECHNOLOGY

UGC Autonomous Institution

Accredited by NAAC, NBA, Approved by AICTE and affiliated to JNTUH Cheeryal (V), Keesara (M), Medchal (Dist.) Pin-501 301
Ph: +91 7306295152, Website: www.gcet.edu.in

Newsletter: Volume 8, Issue 1
PRAGATHI: July-Dec 2023

PRACATHI DEPARTMENT OF CIVIL ENGINEERING





G. R. Ravinder Reddy

Chairman



Dr. Udaya Kumar Susarla
Principal



Dr. R. Prasanna Kumar Registrar



V. Abdul Raffi HOD-CED

Message from Head of the Department

I am thrilled to share the latest updates from our department, highlighting our dynamic academic and extracurricular activities. Our faculty have made significant contributions through research publications and active participation in FDPs, workshops, and conferences, enriching our academic environment. Our students have excelled in various competitions, including the Standard Writing Competition by BIS in Hyderabad on October 6, 2023. We have also organized core training sessions on Revit Architecture, Structures, and SketchUp, providing students with essential skills for their professional development. Additionally, expert lectures, workshops, and field visits have offered practical insights and exposure. The successful Alumni Meet, Freshers' Day, and an interactive session with our esteemed alumnus Ch. Vedamitra have strengthened our community bonds. These collective efforts reflect our commitment to excellence and continuous growth. Let us continue to strive for success and make meaningful contributions to our field.

Vision of the department

The Civil Engineering Department is committed to excellence, quality, and sustained growth while offering our students an outstanding and rigorous education in an environment that supports intellectual growth while meeting 21st century demands.

Mission of the department

- 1. To provide high-quality educational experience for students in the field of Civil Engineering with strong emphasis on professional ethics, social and environmental responsibilities.
- 2. To provide infrastructure and facilities to meet the latest technological requirements.
- 3. To provide research opportunities for faculty and students.
- 4. To have a continuous interaction with Industry with an emphasis on R and D.
- 5. To produce engineers capable of critical thinking, devoted to lifelong learning, and highly sought after by employers.

Program Educational Objectives (PEOs)

Program Educational Objectives (PEOs) are broad statements that describe the career and professional accomplishments that the program is preparing the graduates to achieve within three to five years of graduation. The PEOs for Civil Engineering program are:

- **PEO 1:** Graduates will be technically adept in mathematical, scientific, and engineering fundamentals to pursue their chosen profession or pursue advanced studies with a commitment to lifelong learning for professional development.
- **PEO 2:** Graduates will be able to apply problem-solving skills to various engineering problems that involve management of medium-sized projects to large-scale projects using modern equipment or systems, and work on multidisciplinary projects in multicultural environment demonstrating interpersonal skills.
- **PEO 3:** Graduates will exhibit creativity, innovation, and professional ethics with leadership qualities towards societal development.

Program Specific Outcomes (PSOs)

- **PSO 1:** Apply knowledge in core areas of Civil Engineering such as Structural, Geotechnical, Water Resources, Transportation and Environmental Engineering to Civil Engineering practice.
- **PSO 2:** Utilize Civil Engineering principles that are appropriate to produce detailed drawings, design reports, quantity and cost estimates, specifications, contracts and other documents appropriate for the design, construction, operations and maintenance of Civil Engineering projects.
- **PSO 3:** Shall interact and collaborate with stakeholders; execute quality construction works applying Civil Engineering tools namely, Total Station, Global Positioning System (GPS), ArcGIS, AutoCAD, STAAD and other necessary tools.

I. Publications by faculty

S No	Name of the faculty	Title of the paper	Journal	Year
1	Goutham Vanam	Areal Interpolation approach for Covid-19 cases in India: A case of geospatial modelling	European Economic Letters	2023
2	V Navaneetha	Investigations of Behaviour of concrete on adding crumb rubber	International Journal of Research	2023
3	D Varun Kumar	Study on high strength fiber reinforced geopolymer concrete	Material Science and Technology	2023
4	G Raju	A speed and delay study to improve the public transit system	Material Science and Technology	2023
5	P Supriya	A study on strength of a fibre reinforced concrete partially replaced with cement by dust and metakolin	Material Science and Technology	2023
6	Dr K Sri Lakshmi	Site suitability analysis for establishment of CETP at Chirala textile cluster (CTC)	Journal of Environmental Engineering and its scope	2023
7	Dr K Sri Lakshmi	Individual awareness on electronic waste and its management- an online survey	Journal of advanced research in Dynamical & control systems	2023

Sl. No	Patent Application No.	Title of the Patent	Applicant/s Name	Patent Filed Date	Patent Published Date
1	202341054802A	Stabilisation of Black cotton Soil using Terrasil, Cement and Flyash.	Ms. V. Navneetha	16/08/2023	01/09/2023

 Dr K SriLakshmi, Asst. Prof. has been the conference coordinator for the International Conference on Waste Management, Recycling and Environment (ICWMRE), 2023 Sponsored by Ministry of MSME, Govt. of India Under International Cooperation (IC) Scheme In collaboration with Andhra Kesari University, Ongole Andhra Pradesh, India from16-17 November 2023

II. Student participation Lachievements

S. No.	Student Name with Roll Number	Event Name with Date	Place/College
1.	T. Kowshik Raj Singh	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
2.	V. Jayanth Sakar	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
3.	Vislavath Ravi	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
4.	Sk. Abidur Rahman	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad

5.	B Harshini	Standard Writing Competition by BIS on	RIS Hydarahad
3.	D Harsmitt	06/10/2023	BIS- Hyderabad
6.	B Devender	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
7.	A Roopa Chandrika	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
8.	B Harshitha	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
9.	B Sai Varun	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
10.	A Mavitha	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
11.	V Deeraj	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
12.	T Devisatyasri	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
13.	R Praveen Kumar	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
14.	S. Sanjeev	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
15.	G Prashanth	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
16.	P Bhavana	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
17.	M Kushalatha	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
18.	K Pavan Kumar	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
19.	J. Nikhil	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
20.	K Shiva Kumar	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
21.	D Nithin Kumar	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
22.	B Prashanth	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
23.	B Naveen Kumar	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
24.	R Anudeep	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
25.	B N Sai Santhosh	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
26.	B Pranay	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
27.	B Bhanu Prakash	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
28.	D Venkat	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
29.	B Rajashekar	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
30.	G Ganesh	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
31.	J Nithin	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad

32.	G Madhusudhan	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
33.	E Manoj Kumar	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
34.	R Hemanth	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
35.	P Harikrishna	Standard Writing Competition by BIS on 06/10/2023	BIS- Hyderabad
36.	V. Jayanth Sakar	2 nd prize-Basketball-April 2023	GCET
37.	D Sai Ram	2 nd Prize-Poster Presentation-04/04/2023	GCET
38.	Balaram Deeravath	<i>GATE 2023</i>	
39.	Ajmeera Sandeep	<i>GATE 2023</i>	-
40.	Ajmeera Sandeep	Tech Quiz-Flipkart GRiD 4.0	GCET
41.	Ajmeera Sandeep	QUIZOHOLIC-3.0	GCET
42.	Tummeti Sai Kumar Reddy	GRE - 6/9/2022	-
43.	Bhuvana Chandra	Bhaswara-2023	GCET

III. FDP's/Workshops/Conferences/Webinars participated by faculty

S. No	Name of the Faculty	Nature of program attended	Title of the Program	Date(s) attended	Sponsored body/ Institute
1	Dr. K. SriLakshmi	One week FDP	Innovation and advanced learning in Civil Engineering	17-July-2023 to 22-July-2023	GCET
2	Reena Rana	One week FDP	Innovation and advanced learning in Civil Engineering	17-July-2023 to 22-July-2023	GCET
3	Reena Rana	Workshop	Introduction to Design Thinking & its Creative tools	29-July-2023 to 30-July-2023	GCET
4	V. Abdul Raffi	One week FDP	One week Faculty Development Program on "Developing faculty members as Academic Leaders" organized by IQSC cell, Geethanjali College of Engineering and Technology	03.07.2023 to 08.07.2023	GCET
5	N Kranthi Kumar	One week FDP	Trending Software's in Civil Engineering	04/08/2023 to 10/08/2023	GCET
6	V.Navaneetha	Workshop	Course work on Engineering Methodology	28/8/23 to 2/9/23	OU
7	G Raju	Workshop	Course work on Engineering Methodology	28/8/23 to 2/9/23	OU
8	D Varun Kumar	National level event Concrete Day	One day National level event on "Preparation of Self Compacting Concrete as per EFNARC specifications"	09-09-2023	GCET

9	V. Abdul Raffi	Webinar	Piled Raft Foundations- Characteristics, Design and applications	20/09/2023	GCET
10	D Varun Kumar	Workshop	Worlds Standards day-2023	06-10-2023	GCET
11	V. Goutham	Webinar	Use and Utility of Modern Technology in Learning and Teaching	22-08-2023	GCET
12	V. Goutham	One week FDP	Innovation and advanced learning in Civil Engineering	17-July-2023 to 22-July-2023	GCET
13	V. Goutham	5 Days FDP	Drone Survey, Photogrammetry and Digitization of Maps for Engineering Applications	21.08.2023 to 25.08.2023	SERB
14	V. Abdul Raffi	1-DAY-FDP	Optimizing materials for hydrogen storage in Fuel Cell systems	25th Nov-2023	GCET
15	Dr. K. SriLakshmi	2 Day International Conference, as Conference Coordinator	International conference on Waste Management, Recycling and Environment held on 16 & 17 November 2023,	16/11/2023 and 17/11/2023	GCET
16	P Supriya	5 days FDP	Recent trends in Retrofitting and Rehabilitation of Structures	30.10.2023 to 03.11.2023	GCET
17	G Raju	One week FDP (Atal)	One Week Faculty Development Program on Design and Development of Smart Cities for Sustainable Infrastructure (DDSCSI)	11.12.2023 to 16.12.2023	GCET
18	V Navaneetha	One-week short term course	Sustainable and Durable Green Concrete-Future and Applications	18.12.2023 to 22.12.2023	Self
14	V. Abdul Raffi	Webinar	Adverse effects of plastic pollutions and sustainable alternatives to plastic	23.12.2023	Self
20	Dr. K. SriLakshmi	Webinar	Online FDP on Research and Innovation	16.12.2023	Self
21	Reena Rana	Webinar	Online FDP on Research and Innovation	16.12.2023	Self

IV. Expert lectures / Workshops / Field visits organized by the department

S. No	Name of the Resource person	Designation and Organization	Date organized	Topic covered	Target Audience
	Shri. ANSP Shastry Garu, Retd Scientist, Bureau of Indian Standards				
1	Smt. Ch Vidisha Reddy,	Scientist-B, Asst Director, BIS.	6.10.2023(9.00AM to 2.30PM)	Expert lecture on " Indian standards"(World standards Day Celebrations)-2023	I, II, III Year (90)
	Shri. Abhisai Etta	Standards Promotion Officer, Hyderabad Branch		2020	
2	B. Santhosh	Manager, Canter CADD, ECIL	4.10.2023(2.00PM to 3.30PM)	Expert lecture on "Awareness on Civil Engineering Software"	II Year (20)

3	Er. Surya Prakash	Managing Director, Satyavani Projects and Constructions, Pvt. Ltd.)	15.09.2023(3.00PM to 4.30PM)	Civil Engineering Profession as a Challenging Career (Engineers Day)	I, II, III Year (40)
4	Er. N. Srinivas Rao	Engineer, Ultra Tech Cements	09.09.2023(1.45PM to 2.45PM)	Expert lecture on "Next Generation Concrete"	III, IV year (55)
5	1. B. Santhosh, 2. S. Sai Mrudula, 3. B. Renuka	Trainer, CANTER CADD	5.08. 2023, 12.08.2023, 19.08.2023, 09.09.2023, 15.09.2023, 16.09.2023, 04.10.2023, 11.10.2023, 21.10.2023	"Career opportunities for students of Civil Engineering" (Through extensive use of 'Sketchup' as a design tool)	II year (31)
6	Er. C. Prashanth Kumar, Er. M. Ambica	Deputy Geotechnical Engineer (Jacobs) Project Engineer-II (Morrison Hershfield)	20/10/2023, 02:00PM-03:30PM	Beyond the Degree: Navigating your career in Civil Engineering	I, II, III Year (42)













Few snapshots

V. Activities in the Department level/Institute level

• Industrial Visit to: IGBC - Indian Green Building Council, Hyderabad

On the 18th of August 2023, a group comprising of 91 students from the ECE-IV-I semester, accompanied by four faculty members M.Srujan kumar, V.Navaneetha, Dr.K.Srilakshmi & V.Abdul Raffi from the Civil Engineering department, embarked on an industrial visit to the Indian Green Building Council (IGBC) in Hyderabad. This visit aimed to provide students with practical insights into sustainable building practices and green building standards, aligning with their curriculum and enhancing their understanding of current industry trends.

Objectives of the Visit

- Exposure to Green Building Practices: To familiarize students with the concepts and implementation of green building practices and sustainability in construction.
- Understanding IGBC Standards: To provide insights into the standards and certification processes followed by IGBC for green buildings.
- **Practical Knowledge:** To bridge the gap between theoretical knowledge and practical applications in the field of civil engineering.

Conclusion

The industrial visit to the Indian Green Building Council was a valuable educational experience for both students and faculty. It offered a comprehensive overview of green building practices and provided practical insights into the standards and processes of sustainable construction. The visit not only enhanced the students' understanding of civil engineering concepts but also inspired them to consider sustainability in their future careers.





Industrial Visit to: GCET Hostel Building, Cheeryal, Hyderabad

On the 3rd of July 2023, a group of 25 students from the Civil Engineering III-I semester, accompanied by one faculty member D.Varun Kumar, visited the GCET Hostel Building construction site located in Cheeryal, Hyderabad. The purpose of the visit was to provide students with hands-on experience in steel detailing and construction site practices, specifically focusing on slabs, columns, and beams.

Objectives of the Visit

- Exposure to Construction Site Practices: To offer students practical insights into ongoing construction projects and site operations.
- Understanding Steel Detailing: To demonstrate the application of steel detailing in slabs, columns, and beams, crucial elements of structural engineering.
- Enhancing Practical Knowledge: To bridge the gap between theoretical learning and real-world construction practices.

Observations and Feedback



- Student Feedback: Students found the visit extremely valuable as it offered practical exposure to construction techniques and reinforced their theoretical knowledge of steel detailing. They appreciated the opportunity to see real-world applications of their studies.
- Faculty Feedback: The visit was deemed a success, effectively complementing classroom learning with practical experience. The faculty member noted the students' enthusiasm and engagement during the site tour and discussion.

Conclusion

The industrial visit to the GCET Hostel Building construction site provided students with a comprehensive understanding of steel detailing and construction practices. The hands-on experience at the site enhanced their grasp of structural engineering concepts and highlighted the importance of accuracy in construction.



Bhaswara2023

S. No	Event name	Faculty coordinator (Name and contact No.)	Student co Ordinator (Name & Contact No.)	PRIZE WINNERS LIST
1	PAPER PREPATION	1.Reena Rana 2.DrV.V.Praveen Kumar	1. V.Aruna 2.N.Swetha	Deepa sai, Lokesh and sanketha
2	POSTER PRESENTATION	1.Dr.K.Sri laxmi 2.N.Kranthi kumar	1.Harshitha Goud Roopa Chandrika	Lakshmi Lavanya, D.Sai ram
3	PROJECT EXPO	1.V.Goutham 2.V.Navaneetha	S.Naresh G.Prashanth	
4	Technical QUIZ	1.G.Raju 2.P.Supriya	1.P.Lahari 2.Sanjeev	K.Nikhil, Dheeraj B.Naveen kumar
5	CAD CHAMP	1.D.Varun kumar 2.G.Vimala	1.Bhuvana Chandra 2.Sai ram	K. Nikhil
6	TREASURE HUNT	1.M.Srujan kumar 2. G.Sampath kumar	1.Harshini Goud 2. Archana	K.Sai Karthik and R.Chethan, Devi satya sri and kushalatha
7	A MINUTE TO WIN	1.V.Navaneetha 2.Reena rana	1. R.Sai Chetan 2.Devendar	K.Shiva kumar, Sai karthik

Faculty co coordinator's: 1) N. Kranthi kumar, Asst. Prof., 2)K. Keerthi, Asst. Prof., The National Level Technical and Management fest was held on 03-04-2023 and 04-04-2023. The department of Civil Engineering has organized seven events. The particulars of winners are indicted above.

Gallery:







Alumni Meet:

On December 25, 2023, the GCET Open Auditorium hosted an Alumni Meet for the batch of 2019-2023. The event was attended by alumni, including Barath, Karthik, Jayanath, Kalyani CH, Krishnaveni, Abhishek, and Srikanth. Faculty Coordinator D. Varun Kumar oversaw the program.

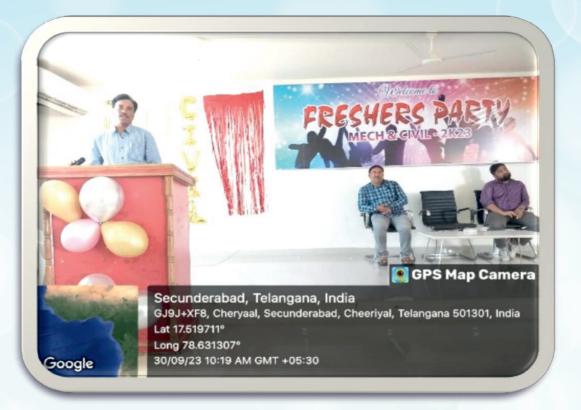
The evening featured a warm welcome from the principal, cultural performances by current students, and an interactive session where alumni shared their career experiences. The event concluded with a vote of thanks and a dinner, providing an opportunity for networking and reminiscing. The meet was a success, celebrating the enduring bond between GCET and its alumni.



Freshers Day:

On September 30, 2023, the Civil and Mechanical Engineering departments at GCET hosted a Freshers' Day in the Block 3 Seminar Hall. The event started with welcoming speeches by the heads of both departments, followed by engaging activities, including games and cultural performances by senior students.

Freshers introduced themselves and interacted with peers and seniors. The evening ended with a vote of thanks and refreshments, making the event a warm and memorable welcome for the new students.



Alumni Interactive Session:

GCET alumni organized an interactive session with Ch. Vedamitra, a former TCS employee currently pursuing an MBA at IIT Bombay. Vedamitra shared his career journey, insights into the corporate world, and the benefits of higher education.

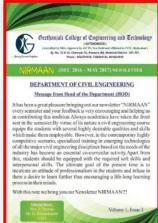




The session included a Q&A segment where students asked questions about career growth and industry trends. The event was well-received, providing valuable guidance and fostering a strong connection between students and alumni.

Periodical Editions





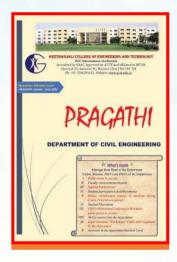




















EDITORIAL BOARD

Mr. V. Abdul Raffi Mr. G. Raju

Ms. P. Supriya

HOD & Associate Professor Assistant Professor Assistant Professor Editor in Chief Editor Editor