



## DEPARTMENT OF CIVIL ENGINEERING

# PRAGATHI

Newsletter: Volume 6, Issue 1.  
July - December 2021



**G.R.RAVINDER REDDY**  
CHAIRMAN



**DR. UDAYKUMAR SUSARLA**  
PRINCIPAL



**Dr. R. Prasanna Kumar**  
Professor & Head

### Contents

- Vision
- Mission
- PEO's and PSO's of the Department
- I. Publications by faculty**
- II. Academic toppers
- III. Student participation & achievements**
- IV. FDP's/Workshops/Conferences/ Webinars participated by faculty
- V. Expert lectures / FDP's organized by the department**
- VI. Department Enrichment
- VII. Activities in the department/ Institute Level**

## *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*

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.	Faculty Name	Title of Paper	Details
1.	D.Ramachander	SEM-EDS Microstructural Analysis of Heritage Structure	Published a paper in August 2021, ISBN/ ISSN : 2195-4356, SCOPUS Indexed

## II. Academic Toppers

The students who topped the results of B. Tech. II -Semester during the academic year 2020-21 are given below.

I - Year	 Mr. SAI KARTHIK K 20R11A0147 SGPA -8.61	 Mr. R SAI CHETAN 20R11A0145 SGPA -8.56	 Mr. SONNAKULA SANJEEV 20R11A0148 SGPA -8.22
II - Year	 Mr. M PUNEET NARAYAN 20R15A0111 SGPA -9.4	 Mr. VAIRAGADE SANJU 20R15A0116 SGPA -9.05	 Mr. CHOWDABOINA SANJAY 19R11A0109 SGPA -8.9
III - Year	 V. JAIKUMAR ELIZABETH R 18R11A01B5 SGPA -9.53	 BHAGVAN FEROUZ 19R15A0112 SGPA -9.26	 KORMATHA ANISH 18R11A0187 SGPA -9.11
IV - Year	 AKULA VIJAY KUMAR 17R11A0150 SGPA -9.58	 SANKASANI JAHNAVI 17R11A0140 SGPA -9.42	 SHAIK SABIHA 17R11A0188 SGPA -9.38

### III. Student participation Achievements

Sai Rohith Kanakuntla from third year participated in regional level Video Competition for COVID-19 Awareness in various Regional Languages/Dialects under "Unnat Bharat Abhiyan" for Delhi/NCR region got 2nd prize in a video competition in the region Telangana MGNCRE. This Competition was conducted by "Unnat Bharath Abhiyan" in July,2021.

### IV. FDP's/Workshops/Conferences/Webinars participated by faculty

S.No	Name of the Faculty	Duration of Workshop	Topic	Organized by
1.	M.Srujan Kumar	5/7/21 to 9/7/21	Intelligent Transport System	AICTE ATAL
2.	G. Raju	5/7/21 to 9/7/21	Intelligent Transport System	AICTE ATAL
3.	V.Navodaya	15/7/2021	BIM- A process transforming the construction industry	Forum of Civil Engineering, Presidency University, Bangalore
4.	V.Abdul Raffi	2/7/21 to 3/7/21	A short course on soil Exploration	Indian Geotechnical Society Sub Committee - 7
5.	V.Abdul Raffi	9/7/21 to 10/7/22	A short course on soil Exploration	Indian Geotechnical Society Sub Committee - 8
6.	V.Abdul Raffi	16/7/21 to 17/7/23	A short course on soil Exploration	Indian Geotechnical Society Sub Committee - 9
7.	V.Abdul Raffi	23/7/21 to 24/7/24	A short course on soil Exploration	Indian Geotechnical Society Sub Committee - 10
8.	V.Abdul Raffi	30/7/21 to 31/7/25	A short course on soil Exploration	Indian Geotechnical Society Sub Committee - 11
9.	V.Abdul Raffi	12/7/21 to 16/7/21	Recent trends and Development in the field of Civil Engineering	AICTE ATAL
10.	K.Keerthi	24/7/21 to 29/7/21	Capacity building and training in Bridges	CVR college of Engineering
11.	K.Keerthi	03/07/21	Practical Difficulties of concreting in the field	Qcrete readymix india pvt.ltd
12.	K.Keerthi	31/7/21	Science, Engineering and Rehabilitation of Heritage Structures	Qcrete readymix india pvt.ltd
13.	K.Keerthi	31/7/21	"Methods and Practices in Advanced Pedagogy and Research Outcomes"	MVSR Engineering College
14.	V.Abdul Raffi	29/7/21 to 31/7/21	Recent advancements in Geo-structural confluence	B V Raju Institute of technology, Narasapur
15.	P. Supriya	03/07/21	"Practical difficulties of concreting in the field"	Qcrete readymix india pvt.ltd
16.	P. Supriya	5/07/21 to 9/07/21	Eartquake Engineering	College of Engineering Pune

17.	<i>P. Supriya</i>	<i>12/07/21 to 16/07/21</i>	<i>Construction Technology</i>	<i>SAKTHI POLYTECHNIC COLLEGE</i>
18.	<i>V.Navaneetha</i>	<i>26/7/21 to 30/7/21</i>	<i>Recent Practices in Geotechnical and Transportation Engineering</i>	<i>G H Raisonni College of Engineering &amp; Management, Pune</i>
19.	<i>D Varun Kumar</i>	<i>12/07/21 to 16/07/21</i>	<i>Construction Technology</i>	<i>SAKTHI POLYTECHNIC COLLEGE</i>
20.	<i>K.Keerthi</i>	<i>13/08/21</i>	<i>Technical Demolition of structures</i>	<i>Indian Concrete Institite,Pune</i>
21.	<i>V.Abdul Raffi</i>	<i>12 weeks</i>	<i>Geotechnical Engineering-1</i>	<i>IIT, Kharagpur</i>
22.	<i>V.Abdul Raffi</i>	<i>12 weeks</i>	<i>Ground Improvement Techniques</i>	<i>IIT, Kharagpur</i>
23.	<i>V.Navaneetha</i>	<i>21/8/21</i>	<i>Health monitoring of structures through Non destructive testing technologies</i>	<i>Ultratech Cement</i>
24.	<i>V.Navaneetha</i>	<i>23/8/21 to 27/8/21</i>	<i>Recent Advances in Water Treatment and Desalination Low cost desalination Engineering</i>	<i>Anna University-Dindigul</i>
25.	<i>k.priyanka</i>	<i>9/8/21 to 13/8/21</i>	<i>smart cities for sustainable future</i>	<i>BMS college of Engineering</i>
26.	<i>k.priyanka</i>	<i>23/8/21 to 27/8/21</i>	<i>Design Thinking and product development</i>	<i>National Institute of technology Arunachal pradesh</i>
27.	<i>P. Supriya</i>	<i>13/08/21</i>	<i>"Technical Demolition of Structures"</i>	<i>Indian Concrete Institite, Pune</i>
28.	<i>D.Ramachander</i>	<i>13/8/21</i>	<i>Technical Demolition of Structures</i>	<i>Indian Concrete Institite, Pune</i>
29.	<i>D.Ramachander</i>	<i>21/8/21</i>	<i>Health monitoring of structures through Non destructive testing technologies</i>	<i>Ultratech Cement</i>
30.	<i>D.Ramachander</i>	<i>5/9/2021</i>	<i>COMPARISON OF STAAD &amp; ETABS (G+7 floors seismic resistant building)</i>	<i>Nil</i>
31.	<i>P. Supriya</i>	<i>23/09/21</i>	<i>Sustainable Concrete: Contributions from Readymix Concrete Industry</i>	<i>Qcrete</i>
32.	<i>P. Supriya</i>	<i>20/09/21 to 25/09/21</i>	<i>Computer applications in Civil Engineering</i>	<i>GCET</i>
33.	<i>G. Raju</i>	<i>20/09/21 to 25/09/21</i>	<i>Computer applications in Civil Engineering</i>	<i>GCET</i>
34.	<i>V.Abdul Raffi</i>	<i>06/09/21 to 10/09/21</i>	<i>Emerging treands in Geotechnical Engineering</i>	<i>ATAL</i>
35.	<i>V.Abdul Raffi</i>	<i>20/09/21 to 25/09/21</i>	<i>Computer applications in Civil Engineering</i>	<i>GCET</i>
36.	<i>V.Abdul Raffi</i>	<i>26/09/2021</i>	<i>Geotechnical Instrumentation</i>	<i>Nil</i>
37.	<i>V.Abdul Raffi</i>	<i>12</i>	<i>Geotechnical Engineering</i>	<i>IIT Kharagpur</i>
38.	<i>V.Anusha</i>	<i>20/09/21 to 25/09/21</i>	<i>Computer applications in Civil Engineering</i>	<i>GCET</i>
39.	<i>V.Navodaya</i>	<i>20/09/21 to 25/09/21</i>	<i>Computer applications in Civil Engineering</i>	<i>GCET</i>

40.	K.Keerthi	20/09/21 to 25/09/21	Computer applications in Civil Engineering	GCET
41.	K.Keerthi	15/09/2021	Seasons your Civil skills- series II	Sai ram engineering college
42.	K.Keerthi	25/09/2021	Materials and methodology for repair/rehabilitation/retrofitting of structures	Ultratech cement pvt.ltd
43.	D Varun Kumar	20/09/21 to 25/09/21	Computer applications in Civil Engineering	GCET

## V. Expert lectures/'FDP' organized by the department

### Expert Lectures

An expert lecture was conducted on "Overview of Ground Improvement Techniques in Civil Engineering" on 05-08-2021, by Dr. C. Lavanya. The lecture was attended by third, fourth year students and faculty. In the lecture the various aspects like application theory in practical and Overview of Ground Improvement Techniques in Civil Engineering were covered. The session was fruitful with discussion on ground improvement techniques in civil engineering.

### Faculty Development Program

A one week Faculty Development Program on "Computer Applications in Civil Engineering" by the Civil Engineering Department was organized during 20th -25th of September 2021. This FDP helped the faculty members to acquire knowledge related to application of Civil Engineering software in different specializations of Civil Engineering such as structural engineering, Geotechnical engineering, Water resources engineering, transportation engineering etc. It was also helpful in enhancing application of various Civil Engineering software in various organizations like planning level, design level and execution level. It was successful with participants from national level.

	<p><b>Dr. P. V. Dilip Kumar</b> Mahindra Ecole Centrale, Hyderabad. Topic: Smart Infra structures using Sensors</p>
	<p><b>Dr. Prafulla Kalapatapu</b> Mahindra Ecole Centrale, Hyderabad. Topic: Applications of Artificial Intelligence (AI) in Civil Engineering</p>
	<p><b>Dr. K. V. Jaya Kumar</b> Professor, NITW Topic: Softwares in Water Resources Engineering</p>

	<p><b>Dr. S. Bhuvaneshwari</b> Associate Professor SRM Institute of Science and Technology, Kattankulathur Topic: Soil modeling and parameters for numerical modeling in geotechnical applications</p>
	<p><b>Dr. Vinayaka Ram</b> Professor, BITS Pilani, Hyderabad. Topic: HDM Application to Pavement Management System</p>
	<p><b>Mr. Shiva Rami Reddy,</b> Structural Consultants, GAMREL ENGINEERS LLP, Hyderabad. Topic: Computer Applications in Foundation Design Time: 5.00PM -6.30PM</p>

## VI. Department Enrichment



Dr. V.V. Praveen Kumar has joined the department in August 2021. He has total teaching experience of 3 years. He has completed his M.Tech in Structural Engineering and obtained doctorate from NIT Warangal.

## VII. Activities in the department/Institute Level

### Graduation Day

The Twelfth and Thirteenth Graduation Day of the college was organized on Saturday 9th October 2021 PM. Graduation ceremony was conducted for the batches 2020 and 2021 passed out students. The Chief Guest for the occasion was Mr. Srinivas Ramsagar, Vice President, Software Engineering, United Health Group. Batch toppers were honored on this occasion.



### Orientation program:

The Orientation Day for the newly admitted B. Tech. students of the Academic Year 2021-22 was organized on 26th November, 2021. Sri Lakshmikanth Reddy Basani, Software Consultant Engineer, Sri Seshu Kumar Gudepu, General manager, Wipro Technologies and Sri Murali Teneti, Vice President, FICO, were the Guests of Honor on this occasion.



### Alumni Meet

The 9th Alumni Meet of the institution was organized on 25th December 2021. 163 alumni of various batches attended the meet.



### Campus News

- ✚ College is listed in the Rank Band of 251-300 in India Rankings 2021 of Engineering Colleges by NIRF, Ministry of Education, Government of India.
- ✚ College is recognized in the "Excellent" band in Atal Ranking of Institutions on Innovation Achievement (ARIIA), 2021.
- ✚ The B.Tech Programs offered by the Departments of ECE, CSE and EEE were granted accreditation in Tier II for one more year, i.e., up to 30th, June 2022 and the B.Tech Program offered by the Department of CE up to 30th June 2024.

