



# Geethanjali

... striving towards perfection

College of Engineering & Technology  
UGC Autonomous Institution

Accredited by NAAC, Approved by AICTE and affiliated to JNTUH  
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**DEPARTMENT OF CIVIL ENGINEERING**

## PRAGATHI

Volume 2, Issue 2, January – June 2018

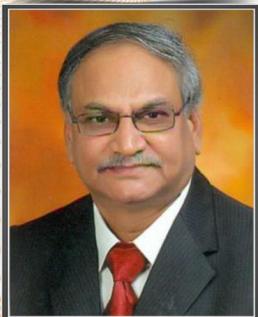


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M. Tech.  
Chairman



Dr. Udaya Kumar Susarla  
M. E., Ph.D.  
Principal

### Message from Head of the Department



Dr. P. Ram Mohan Rao  
M. Tech, Ph. D.  
Professor & Head

*I am very happy to bring out the first issue of Department Newsletter "PRAGATHI" in this year 2018. I am thrilled that my colleagues and students are making significant contributions for the growth of department. This newsletter outlines various activities that have taken place during the period of Jan - June 2018 and show that we are pushing ahead on many fronts. I continue to be amazed by the capacity of my colleagues and students for their commitment in their activities. First batch students have passed out and some of them have been placed in various companies. One more professor with Ph. D. qualification is added, totalling 4 doctorates in the department. We look forward for an overall better progress in the Civil Engineering Department.*

## 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 21<sup>st</sup> century demands.

## Mission of the Department

1. To provide high-quality educational experience for students 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&D.
5. To produce engineers capable of critical thinking, devoted to a lifelong learning, and highly sought after by employers.

## I Publications by Faculty

1. Praveen Kumar. K., Prasanna. S.V.S.N.D.L., 'Multi criteria decision analysis for optimal selection of supplier selection in Construction Industry – A Case Study', International Journal of Engineering Technology Science and Research, ISSN 2394, Volume 5, Issue 1, January 2018, PP 231-237.
2. Vanisri. G., 'Structural safety and Rehabilitation of old residential building-A case study', Innovations in Civil Engineering through Sustainable Technologies, ISSN: 2349-5162, February 2018, PP 220-228.
3. Raju. G., Ashwini. R., 'Study on soil stabilized low volume roads by using Coir Fibre reinforced with Cement', International Journal of Engineering Science Invention, ISSN (Online): 2319-6734, ISSN (Print): 2319-6726, Volume 7, Issue 3, March 2018, PP 46-54.
4. Reddy. K. R. C., 'Issues in use of TMD in controlling the response of RC Chimneys', Proceedings of International Conference on Advances in Construction materials and structures, 7-8 March 2018.
5. Divya. K., Suresh Kumar. N., 'Rain water conservation techniques for Osmania University Campus' proceedings of International seminar on "Water scarcity- Possible water wars in Future", 21-23 March 2018.
6. Rajesh Kumar. Y., 'Seismic performance of reinforced concrete structures using shear walls', International Journal of Research, ISSN: 2348-6848, Volume 5, Issue 7, March 2018., PP: 1829-1825.
7. Rajesh Kumar. Y., Bharath Kumar. P., 'Effect of shear wall area to floor area ratio on seismic response of reinforced concrete structures', International Journal of Civil Engineering and Technology, ISSN :0976-6316, Volume 9, Issue 4, April 2018, PP: 844-852
8. Rajesh Kumar. Y., 'Effect of aluminum shear yielding dampers on seismic response of RC structures', Journal of advanced research in dynamical and control systems, ISSN: 1943-023X, Volume 10, Issue 6, May 2018, PP: 107-116.

## II Academic Toppers

We are proud to announce the Gold Medalists of 2014-18 batch.

### Congratulations

to



M. Manorama Reddy  
14R11A0119



Y. V. Mohan Reddy  
14R11A0182

The students who topped the results of B. Tech. II-Semester during the academic year 2017-18 are given below.

S. No.	Year	Roll No.	Name	%	Rank
1	I	17R11A0150	A. Vijay Kumar	9.75 GPA	I
		17R11A0136	R. Kalyani	9.58 GPA	II
2	II	16R11A0148	M. Jayanth	9.42 GPA	I
		17R15A0101	B. Karthik	9.42 GPA	I
		17R15A0110	Ch. Karthik	9.42 GPA	I
		16R11A0157	Ch. Ramya	9.38 GPA	II
3	III	15R11A0145	V. Bindhu	66.8 %	I
		15R11A0120	K. Linga Raju	66.4%	II
4	IV	14R11A0182	Y. V. Mohan Reddy	82%	I
		14R11A0119	M. Manorama Reddy	78.2%	II

## III Student Achievements

### 1. Participation

1. Narender. T., B. Tech II year student has participated in “3D Printer” at GCET, conducted on 11th Jan 2018 organized by Robocart.com in association with Innovation Cell UMIC, IIT Bombay.
2. Narender. T., B. Tech II year student has participated in the “Youth Camp for Boys” held on 14th Jan 2018 organized by Vivekananda institute of Human Excellence.
3. Pavan Kumar. G., of B. Tech II Year student has attended two days seminar program on “Glimpses of World Class Innovations in the Realm of Civil Engineering” organized by Ashoka Institute of Engineering and Technology, Hyderabad on 19th & 20th Jan 2018.
4. Ramya. Ch., B. Tech II year student has undergone internship program for 10 days from 04-05-2018 to 13-05-2018 on “Construction of bridge on road from PWD road to Ghanpur via Bokkoniguda” and in office related work.

### 2. Placements

Details of placements who are placed in various companies during the academic year 2017-18.



**M. Manorama** 14R11A0119  
1. Maple Constructions Pvt. Ltd.  
2. Amazon India Pvt. Ltd.



**S. Surya** 14R11A0143  
1. Maple Constructions Pvt. Ltd.



**V.S. Nikhitha** 14R11A0145  
1. Maple Constructions Pvt. Ltd.  
2. Tech Mahindra Pvt. Ltd.



**S. Sai Raghav** 14R11A0140  
1. Prathima Infrastructure Pvt. Ltd.



**K. Keerthika** 14R11A0117  
1. Maple Constructions Pvt. Ltd.  
2. Wipro Technologies Pvt. Ltd.



**S. Shiva** 14R11A0144  
1. Geo Aditya Technology Pvt. Ltd.  
2. Maple Constructions Pvt. Ltd.  
3. Just Dial Pvt. Ltd.



**K. Anjali** 14R11A0114  
1. Amazon India Pvt. Ltd.  
2. Genpact Pvt. Ltd.



**M. Hari** 14R11A0125  
1. Geo Aditya Technology Pvt. Ltd.



**J. Harish Kumar** 14R11A0160  
1. Geo Aditya Technology Pvt. Ltd.  
2. Victor Works Pvt. Ltd.



**K. Abhilash** 14R11A0164  
1. Geo Aditya Technology Pvt. Ltd.



**B. Madhu** 14R11A0104  
1. Geo Aditya Technology Pvt. Ltd.

**V. Sai Sarath** 14R11A0181  
 1. Geo Aditya Technology Pvt. Ltd.  
 2. Prathima Infrastructure Pvt. Ltd.

**A. Sravan Kumar** 14R11A0149  
 1. Prathima Infrastructure Pvt. Ltd.



**B. Yashwanth** 14R11A0105  
 1. Geo Aditya Technology Pvt. Ltd.



**Banothu Bhadru** 15R15A0105  
 1. Maple Constructions Pvt. Ltd.  
 2. Prathima Infrastructure Pvt. Ltd.



#### IV FDPs and STTPs Participated by Faculty

1. Reddy. K. R. C., attended a workshop on “Industry Perspectives in Civil Engineering” organized by TASK on 12th March 2018 at Begumpet, Hyderabad.
2. Phani. S. S., attended a workshop on “Industry Perspectives in Civil Engineering” organized by TASK on 12th March 2018 at Begumpet, Hyderabad.
3. Ram Mohan Rao. P., attended workshop on World WaterDay i.e. 23rd March 2018 organized by Jawaharlal Nehru Technological University, Kukatpally, Hyderabad.
4. Phani. S. S., attended workshop on World WaterDay i.e. 23rd March 2018 organized by Jawaharlal Nehru Technological University, Kukatpally, Hyderabad.
5. Rajesh Kumar. Y., attended four days short course on “Earthquake resistant design based on recently revised seismic codes” organized at IIT Patna during 5-8 April 2018.
6. Ramachander. D., attended four days short course on “Earthquake resistant design based on recently revised seismic codes” organized at IIT Patna during 5-8 April 2018.
7. Reddy. K. R. C., attended one day seminar on “Effective practices in construction industry” organized by NIT Warangal Alumni Association on 12th May 2018.
8. Phani. S. S., attended one day seminar on “Effective practices in construction industry” organized by NIT Warangal Alumni Association on 12th May 2018.
9. Ramachander. D., attended one day seminar on “Effective practices in construction industry” organized by NIT Warangal Alumni Association on 12th May 2018.
10. Tirupati Rao. S., participated in one-week short term course on “STAAD Pro. Connect Edition” organized by Bentley Institute during 4-8 June 2018.

11. Raju. G., participated in one-week short term course on “STAAD Pro. Connect Edition” organized by Bentley Institute during 4-8 June 2018.
12. Supriya. P., participated in one-week short term course on “STAAD Pro. Connect Edition” organized by Bentley Institute during 4-8 June 2018.
13. Rama Mohan Rao. P., attended a three day Faculty Development Program on “Geospatial applications in Civil Engineering” organized by Kommuri Pratap Reddy Institute of Technology during 13-15 June 2018.
14. Tirupati Rao. S., participated in one day workshop on “Traffic Problems in and around Hyderabad and remedial measures” organized at Osmania University on 15th June 2018.
15. Supriya. P., participated in one day workshop on “Traffic Problems in and around Hyderabad and remedial measures” organized at Osmania University on 15th June 2018.
16. Raju. G., participated in one day workshop on “Traffic Problems in and around Hyderabad and remedial measures” organized at Osmania University on 15 June 2018.
17. Kishore Babu. D., participated in one day workshop on “Traffic Problems in and around Hyderabad and remedial measures” organized at Osmania University on 15th June 2018.
18. Praveen Kumar.K., participated in one day workshop on “Traffic Problems in and around Hyderabad and remedial measures” organized at Osmania University on 15th June 2018.

## V Expert lectures organized by the Department

1. On “Quality in Construction” was conducted on 18th January 2018, by Dr. T. SesahadriSekhar, Dean NICMAR, Hyderabad. The lecture was attended by final year students and faculty. He explained the important aspects of Quality Management in Construction practices.
2. On “Geospatial Technologies in planning and decision making” was conducted on 19th January 2018, by Dr. K. Jayachandra, Regional Director NRSC. The lecture was attended by final year students and faculty. The speaker discussed the importance of ArcGIS and other latest technologies along with their application in planning and decision making.  
Seminar and seminar presentation skills.
3. On “Principal Stresses and strains” was conducted on 22nd January 2018, by Mr. A. Nelson, Structural Consultant. The lecture was attended by second year students and faculty. Basics of Strength of Materials along with engineering applications were well presented to the students.
4. On “Dynamics of Particles” was conducted on 22nd January 2018, by Mr. A. Nelson, Structural Consultant. The lecture was attended by first year students and faculty. The speaker focused on Basics of Engineering Mechanics and its practical application.
5. On “Introductory Project Seminar” was conducted on 25th January 2018, by Dr. K. R. C. Reddy, Professor and Head Civil Engineering Department. The lecture was attended by final year students and faculty. He explained the content of Project



Guest lecture photos

## VI Field Visits

### 1. A visit to KSR Cemex Ready Mix/ Crusher

A visit to KSR Cemex Ready Mix/Crusher at Ghatkesar, Hyderabad, was organized on 24th February 2018 for B. Tech Second Year Students. The faculty members who accompanied the students for the visit were Prof. S. Tirupathi Rao, Dr. S.S. Phani, Mr. B. Kowshik Reddy, Mr. P. Srikanth Reddy, Mrs. V. Navaneetha. The students practically viewed the,

- Sieving techniques
- Material Testing Laboratory
- Preparation of Concrete Mix.



KSR Cemex Ready Mix visit Photos

### 2. A visit to Survey of India

A visit to Survey of India, Uppal, Hyderabad, was organized on 28th February 2018 for B. Tech Second Year Students. The faculty members who accompanied the students for the visit were Dr. P. Rama Mohan Rao, Mr. D. Kishore Babu, Ms. M. Satya Vidyadhari, and Mrs. R. Ashwini. The students practically viewed the,

- Satellite traversing of Imageries/ Photographs
- GIS and GPS Techniques
- Various Topographic Maps
- 3D Terrain Models
- Different types of Surveying Equipment such as Theodolite, Autolevel, Total station.



**Survey of India visit Photos**

### **3. A visit to Amberpet Sewage Treatment Plant**

A visit to 339 MLD Sewage Treatment Plant, Amberpet, Uppal, Hyderabad, was organized on 14th March 2018 for B. Tech Third Year Students. The faculty members who accompanied the students for the visit were Mr. S. Hari Kiran, Mr. D. Ramachander, Mrs. V. Navaaneetha, and Mrs. K. Priyanka. The students practically viewed the,

- Preliminary treatment process
- Primary treatment process
- Secondary treatment which included Upflow Anaerobic Sludge Blanket (UASB) reactor.
- Disinfection system
- Water & Wastewater Quality Testing Lab



**Sewage Treatment Plant visit Photos**

### **4. A visit to Kaleshwaram Project sites**

A visit to Kaleshwaram Project sites, comprising of Sundilla barrage pump house and tunneling work at Nandi Medaram, Karimnagar District, was organized on 20th June 2018 for B. Tech Third year and Final year students. All the faculty members accompanied the students. The students practically viewed the

- Construction of barrage at Sundilla site.
- Construction of pump house at Sundilla site
- Tunnelling work at Nandi Medaram to facilitate lifting of Yellampally reservoir back water to Medaram lake.





Kaleshwaram Project sites visit Photos

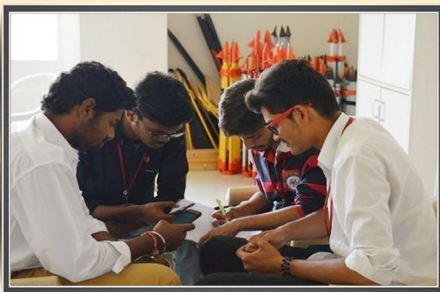
## VII Events Organized by the Department

### 1. Civil Engineering Technical Association- CETA

The Department level technical festival was organized on 17th March 2018. The Department of Civil Engineering as a part of CETA-2018, has organized several technical events. About 150 students from B. Tech II, III & IV year have participated in the events to showcase their skills. The list of events organized, corresponding faculty Co-coordinators and the student teams and the prize winners are given in the following table.

**Faculty Coordinator- Mr. D. Ramachander**, Assistant Professor

S.No.	Event	Faculty Co-Coordinators	Student Coordinators	Prize Winners	Class
1.	Paper presentation	G.Hemalatha	V.Jetender D.ShivaTeja	I- A.Prashanth & Santhosh II- H. Vamsh & K.Akash III- G.Pavan Kumar	Civil 3A Civil 2A Civil 3B Civil 3B Civil 2B
2.	Poster Presentation	P.Srikanth Reddy	L. Varnika M.Pavan Kumar	I- P.Karthik & M.Pavan Kumar II- B.DivyaKrishna & K.Vineetha Reddy	Civil 2B Civil 2B
3.	Debate	B.Kowshik Reddy D.Varun Kumar K.Priyanka	C.RachanaTeju	I- M.Jayanth & Group	Civil 2A
4.	Technical Quiz	Y.Rajesh Kumar	V.Anirooth M. Jayanth	I- C.Rachan & V.Bindu	Civil 3A



CETA Event Photos

## 2. Parent Teacher Meeting

The parent teacher meeting has been conducted on 7th January 2018 (Sunday) in the Department of Civil Engineering. All the class in-charges were present in the department with relevant information such as attendance status, Semester marks etc. All the doubts of the parents were clarified and they were advised that their wards should be regular to class work.

## 3. Farewell to Passing out {2014-18}

All set to give a perfect end to the wonderful college days, final year students had turned up in their glamorous best at the farewell bash organized on 13th April 2018, which was perfectly hosted by juniors. A lot of fun conversations and nostalgia made the night a memorable one. An enthralling show was arranged with students' performances followed by DJ, which had everybody grooving.



Farewell Party photos

## 4. Graduation Day

First Graduation Day was organised on 12th July 2018 for the first outgoing batch of 2014-18. The guests on the occasion were Sri. Raghu Rao (Head of Business Development, PeerNova) and Sri. Kumar Mynampati (Associate Vice President, Infosys) along with Secretary Sri.G. R. Ravinder Reddy and Principal Prof. Uday Kumar Susarla. The program started with an Invocation song followed by lighting of the lamp by the dignitaries and welcome speech by Dr. Madhumathi. All the graduates stood with their graduation dress, came up on the stage as the names were read out by Head of the Department and received Degree Certificates from the Chief Guest. It was a moment that really added charm to the atmosphere with a sense of achievement. The vote of thanks in the form of blessings was given by Dr. Madhumathi. End of Graduation Day was concluded with National anthem and Photo session.



Graduation Day photos

## 5. Consultancy Works

The Department is very glad to introduce consultancy works in field of Civil Engineering and now we initiated providing the consultancy services in areas of SBC of soil, Surveying, NDT, Building Planning, Structural Design and Testing of Highway Materials. The following consultancy works have been done in the department during AY 2017-18.

S. No.	Type of Service	Site Location	Start Date	Finish Date	Services To	Faculty Involved
1	Core cutting test and compressive strength test	L. B. Nagar, Hyderabad	20-04-2018	21-04-2018	S. S. Phani Associates	Dr. S. S. Phani & B. Kowshik
2	NDT test	Panjagutta, Hyderabad	30-06-2018	30-06-2018	G. Vishnu (Individual)	Dr. S. S. Phani & B. Kowshik
3	Safe Bearing Capacity of Soil (SBC)	Tirumalagiri, Hyderabad	10-07-2018	13-07-2018	T. Shiva Prasad (Individual)	Dr. S. S. Phani & K. Priyanka

## VIII Workshops conducted in the Department

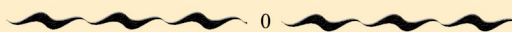
A Short Term Training Program on “Advance Technologies In Structural Engineering “ was organized during 25-29 June 2018. The program was inaugurated by honorable Chief Guest Prof. K. Ganesh Babu, a retired professor from IIT Madras along with Sri. G.R. Ravinder Reddy, respected Chairman of GCET and Dr. K.R.C. Reddy, Head of the Civil Engineering department, GCET. A total of 41 members got registered from various colleges in this STTP on “Advances in Structural Engineering”. Aspects of the various sessions of the program are set down below.

S.No.	Resource Person	Designation	Topic Covered/Date
1	Dr. K. Ganesh Babu	Rtd. Professor, Civil Engineering Department, IIT Madras	Rehabilitation of Structural systems 25-06-2018
2	Dr. Dean Kumar	Professor of Civil Engineering Department, JNTUH	Structural systems 25-06-2018
3	Dr. K.R.C Reddy	Professor and Head of the Civil Engineering Department, GCET	Wind effects on Tall structures 26-06-2018
4	Dr. S. S. Phani	Professor of Civil Engineering Department, GCET	Rehabilitation of a building in Vijayawada – A case study 26-06-2018
5	Sri. P. Suryaprakash	Founder and Managing director of Satya Vani HOMES Pvt. Ltd.	Structural Systems for High Rise Buildings 26-06-2018

S.No.	Resource Person	Designation	Topic Covered/Date
6	Prof. P. Srinivas Sharma	Professor of Civil Engineering Department, CBIT	Sustainable materials, methods and systems in Structural Engineering 27-06-2018
7	Dr. G.V. Praveen	Principal, SR International Institute of Technology	Reinforced Earth structures 27-06-2018
8	Dr. P. Srinivasa Rao	Professor of Civil Engineering, JNTUH	Special Concrete 27-06-2018
9	Dr. V. Bhikshma	Professor and Head of the CED, University College of Engineering, Osmania University	“Mechanical properties of Geopolymer concrete” and “NDT applications in Civil Engineering” 28-06-2018
10	Dr. K. R. C Reddy	Professor and Head of the Civil Engineering Department, GCET	Finite Element Methods 28-06-2018
11	Dr. G. Rajesh Kumar	Professor of Civil Engineering Department NIT, Warangal	“Concrete from Grey to Green” and “Introduction to Prestressed Concrete” 29-06-2018
12	Sri. M. Raj Reddy	Educationist, philanthropist, NAC - Hyderabad	Human Values and Ethics 29-06-2018



Short Term Training Program photos



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