



... striving towards perfection

Geethanjali

College of Engineering & Technology

UGC Autonomous Institution

Accredited by NAAC, Approved by AICTE and affiliated to JNTU'H

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DEPARTMENT OF CIVIL ENGINEERING

PRAGATHI

Volume 3, Issue 2, Jan - July 2019



Sri. G. R. Ravinder Reddy
M. Tech.
Chairman



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



Dr. R. Prasanna Kumar
M. E., Ph. D
Professor & Head

I am very happy to bring out the second issue of third volume department newsletter "PRAGATHI". There were quite a few important developments that took place in the department during this period. Three of our faculty members have published papers in Scopus indexed journals. Two faculty members attended NBA workshop at JNTUH and enriched themselves with knowledge. A few of the students also participated in technical symposiums and presented papers. Faculty and students have undergone training on latest software's like MX Roads and REVIT. I congratulate all those faculty members and students for their achievements and look forward for bringing more laurels to the 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 21st 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

S. No.	Name of the faculty, Designation	Title of the Paper	Name of the Journal	Publication month & year	National/ International, Issue, Volume.	Journal Indexing (Scopus / web of science)
1	D. Varun Kumar Assistant Professor	Study and Development of Various Concrete Structures with various mixtures GGBS, Fly ASH and other component mixtures	JARDCS	Feb 2019	International, Special issue 18, Volume 13	Scopus
2.	Y. Rajesh Kumar Assistant Professor	Comparison of Response Spectrum, time history analysis and matched time history method in zone 5 and zone 4 earthquake zones of Multistoried building as per IS 1893-2016	IJRTE	May 2019	International, Issue 6S5, Volume 7	Scopus
3.	D. Ramachander Assistant Professor	Stabilization of Structures in Seismic areas subjected to different ground motions	IJRTE	June 2019	International, Issue 6S5, Volume 7	Scopus

II Academic Toppers

We are proud to announce the Gold Medalists of 2015-19 Batch.

Congratulations to



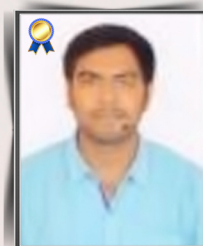
K. BINDHU
15R11A0145

Percentage: 73.33



CH. RACHANA
15R11A0105















Percentage: 73.33



P. BHANU KUMAR
15R11A0178

Percentage: 72.74

The students who topped the results of B. Tech. II -Semester during the academic year 2018-19 are given below.

	I-Year	II-Year	III-Year	IV-Year	
I RANK	 V J ELIZABATH RANI 18R11A01B5 SGPA- 9.35	 A. VIJAY KUMAR 17R11A0150 SGPA- 9.71	 K. MEGHANA SAI 16R11A0147 SGPA- 9.04	 M. JAYANTH 16R11A0148 SGPA- 9.04	 K. LINGARAJU 15R11A0120 Marks:576/750
II RANK	 S. SAI ROOPA 18R11A01B1 SGPA- 9.28	 R. KALYANI 17R11A0136 SGPA- 9.54	 B. KARTHIK 17R15A0101 SGPA- 8.83	 V. BINDU 15R11A0145 Marks:572/750	
III RANK	 G. SHRUTHI 18R11A0119 SGPA- 9.18	 M. VIKAS 17R11A0123 SGPA- 9.38	 M. RAMYA 16R11A0199 SGPA- 8.79	 I. V K REVANTH NAIDU 16R11A01B0 SGPA- 8.79	 P. BHANU KUMAR REDDY 15R11A0178 Marks:567/750

III Student Participation & Achievements

1 Participation

S. No.	Name of the student	Roll Number	Year & Section	Fest and Event Name	Place/College
1	R. Kalyani	17R11A0136	II-A	Civilisation-2K18 (Paper presentation)	CBIT, Hyderabad
2	B. Malavika Sai	17R11A0126	II-A	Civilisation-2K18 (Paper presentation)	CBIT, Hyderabad
3	N. Vivek	17R11A0132	II-A	Technical Symposium -2K18 (Paper presentation)	Megha Engineering College, Hyderabad
4	M. Vikas	17R11A0123	II-A	Technical Symposium -2K18 (Paper presentation)	Megha Engineering College, Hyderabad
5	K. R. Ansari	16R11A0118	III-A	SUDHEE-2K18 (Paper presentation)	CBIT, Hyderabad
6	M. Abhishek	16R11A0124	III-A	SUDHEE-2K18 (Paper presentation)	CBIT, Hyderabad
7	G. Santhosh	17R15A0112	III-A	SUDHEE-2K18 (Paper presentation)	CBIT, Hyderabad

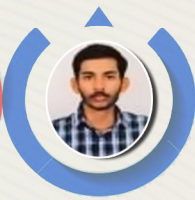
2 Campus Placements

Students who are placed in various companies during the academic year 2018-19:

16R15A0105
GANDI SANDEEP
GVPR ENGG. PVT LTD



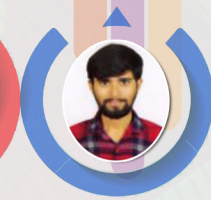
16R15A0113
VEGURU SRINATH
GVPR ENGG. PVT LTD



16R15A0111
SHAIK NAZEER
GVPR ENGG. PVT LTD



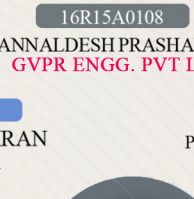
15R11A0120
KOLLURI LINGA RAJU
GVPR ENGG. PVT LTD



15VD1A0105
V. ANIROOTH
GVPR ENGG. PVT LTD



16R15A0108
ANNALDESH PRASHANTH
GVPR ENGG. PVT LTD



15R11A0168
LINGAMANENI NIKHIL
GVPR ENGG. PVT LTD



15R11A0153
D PAVAN KUMAR
IBPR INFRA



15R11A0101
ANEBONI SAIKIRAN
IBPR INFRA



15R11A0178
PABBATHI BHANU KUMAR REDDY
IBPR INFRA



15R11A0119
KANDURI SATHWIK
IBPR INFRA



15R11A0161
HANUMANTHU VAMSHI SAI
IBPR INFRA



15R11A0112
G BHEEM REDDY
IBPR INFRA



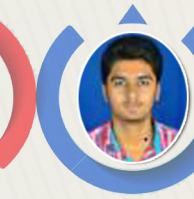
15R11A0180
R V SURYA TEJA
IBPR INFRA



15R11A0179
PASTAM DAYAKAR
IBPR INFRA



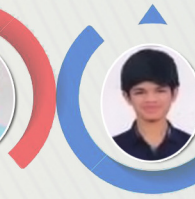
16R15A0126
KAMBHAMPATI VENKATA SAIDUTT
GLOBAL ACTIVE ENGINEERS



15R11A0178
PABBATHI BHANU KUMAR REDDY
GLOBAL ACTIVE ENGINEERS



15R11A0168
LINGAMANENI NIKHIL
AMAZON INDIA PVT LTD



15R11A0154
DARAVENI SHIVA TEJA
IBPR INFRA



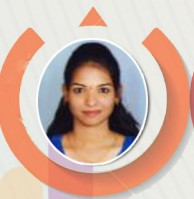
15VD1A0105
V. ANIROOTH
GLOBAL ACTIVE ENGINEERS



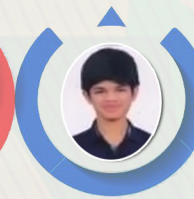
15R11A0119
KANDURI SATHWIK
GLOBAL ACTIVE ENGINEERS



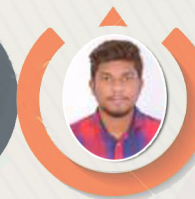
16R15A0103
EROLLU SAILAJA
RASTER ENGG.PVT LTD



15R11A0168
LINGAMANENI NIKHIL
RASTER ENGG.PVT LTD



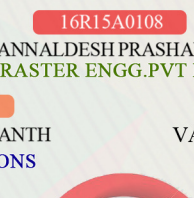
15R11A0164
KASOJU AJAY KUMAR
RVM CONSTRUCTIONS



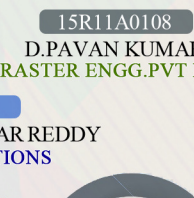
15R11A0152
C RAGHU VARDHAN REDDY
RVM CONSTRUCTIONS



16R15A0108
ANNALDESH PRASHANTH
RASTER ENGG.PVT LTD



15R11A0108
D.PAVAN KUMAR
RASTER ENGG.PVT LTD



15R11A0104
CHATRAGHADDA NIKHIL
RVM CONSTRUCTIONS



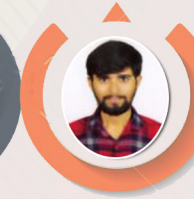
16R15A0108
ANNALDESH PRASHANTH
RVM CONSTRUCTIONS



15R11A0186
VANCHA JITHENDHAR REDDY
RVM CONSTRUCTIONS



15R11A0120
KOLLURI LINGA RAJU
RVM CONSTRUCTIONS



15R11A0154
DARAVENI SHIVA TEJA
RVM CONSTRUCTIONS



15R11A0165
KETHAVATH AKASH
RVM CONSTRUCTIONS



15VD1A0105
V. ANIROOTH
RVM CONSTRUCTIONS



15R11A0101
ANEBONI SAIKIRAN
RVM CONSTRUCTIONS



IV

FDPs / Workshops Attended by the Department (outside the college)

S. No.	Name of the Faculty	Duration of FDP	Topic	Organized by
1	K. Priyanka Assistant Professor	20.2.2019-21.2.2019 (2 Days)	NBA Accreditation and SAR filling	JNTU Hyderabad
2	D. Ramachander Assistant Professor	20.2.2019-21.2.2019 (2 Days)	NBA Accreditation and SAR filling	JNTU Hyderabad
3	D. Kishore Babu Assistant Professor	29.3.2019 (1 Day)	Bloom's Taxonomy	JNTU Hyderabad
4	S. Harikiran Associate Professor	20.5.2019-25.5.2019 (1 Week)	Effective Teaching and Learning Practices for Design and Development of Water Supply Systems	NIT Warangal

V

FDPs / Workshops Organized by the Department

1) Workshop on "REVIT - Software"

A workshop on "REVIT - Software" was conducted in three phases during 18-19 March, 25-26 March 2019 and 2-10 May 2019 for III year B.Tech Students, under the existing MOU between the department and the **Canter CADD**, Hyderabad.

The workshop was inaugurated by Dr. R. Prasanna kumar, Head of the Department. Mr. MD. Masood of Canter CADD was the main resource person. The following topics were

covered in the workshop:

- Introduction to REVIT Software.
- Basic Modeling tools.
- Drawing Elevations.
- Interiors of the structure.

The photos taken during the workshop are presented below:



REVIT Software- Workshop Photos

2 FDP on “MX Roads” Software

A one-week Faculty Development Program (FDP) on “MX Roads” software was organized under the existing MOU between the department and the **CADD CENTRE**, Hyderabad during 6-11 May 2019 for faculty of Civil Engineering Department and from other colleges.

The FDP was inaugurated by Dr. R.Prasanna kumar, Head of the Department. The main resource person was Mrs.Y. Bhavana from **CADD CENTRE**. The FDP covered the following topics:

- Introduction to MX Roads-String
- Modeling
- Survey data input and import
- String names and drawing styles, point
- Selection methods
- Surface checker and editing data
- Surface analysis
- String creation and editing
- Earth work calculation
- Alignment creation
- Design of rule based super elevation
- Junction design
- Pavement design -final drawings.

The photos taken during this FDP are presented below:



MX Roads-FDP Photos

3 FDP on “Structural Drafting in CAD”

A Three-Day FDP on “Structural Drafting in CAD” was organized for the faculty members of the department during 20-22 June, 2019 under the existing MOU between the department and the **Canter CADD**, Hyderabad. The FDP was inaugurated by Dr. R.Prasanna kumar, Head of the Department. The main resource person was Mr. MD. Masood from Canter CADD.

The FDP covered the following topics:

- Introduction to Auto CAD.
- Basic design tools.
- Operating co-ordinate systems.
- Basic 2-D Drafting.
- Building-Plan, Elevation and Cross-section.
- Beam Detailing.
- Slab Detailing.
- Column Detailing.
- Footing Detailing.

VI List of MOUs Signed by the Department

1. Department has entered into an MOU (Memorandum of Understanding) with **CANTER CADD**, Hyderabad on 6.2.2019 for conducting training programs for faculty and students of the department on latest Civil Engineering software.

Under this MOU, a training program on REVIT software was conducted for III year B.Tech students for a period of 15 days during May -June 2019.

2. Department has entered into an MOU with **CADD CENTRE**, Hyderabad, for conducting training programs for faculty and students on latest Civil Engineering software.

Under this MOU, a one-week Faculty Development Program (FDP) on “MXROADS” software was conducted during 6 -11 May 2019.

VII Expert Lectures Organized by the Department

1. An expert lecture on the topic “**Complex Stresses**” was conducted on 24.01.2019. The resource person was Prof A. Nelson, Structural Consultant, Hyderabad. The lecture was attended by second year students. The following concepts were covered:
 - i. Types of Stresses & Strains.
 - ii. Principal Stresses.
 - iii. Principal Strains.

The photos taken during this expert lecture are presented below:



Complex Stresses - Expert Lecture Photos

2. An expert lecture on the topic “**Building Information Modeling**” was conducted on 25.01.2019. The resource person was Mr. K. Srikanth, Chief Consultant, S Design Consultancy, Kukatpally, Hyderabad. The lecture was attended by final year students. The following topics were covered:

- i. Introduction to Building Information Modeling.
- ii. Importance of BIM in Civil Engineering.
- iii. Job opportunities in BIM.

The photos taken during this expert lecture are presented below:



Building Information Modeling - Expert Lecture Photos

VIII Field Visits Organized by the Department

1 Field visit to Geological Survey of India (GSI)

A field visit to **GSI**, Uppal, Hyderabad, was organized on 2nd February 2019 for B. Tech Second Year Students. The faculty members Dr. N. Mahendra, Mrs. G. Vanisri, Dr. S. S. Phani and Ms. K. Divya accompanied the students during the visit. The students practically studied different types of rocks such as Igneous, Sedimentary and Metamorphic and different types of Minerals at the departments of Petrology, Mineralogy and Paleontology pertaining to GSI.

The photos taken during the visit are presented below:



Geological Survey of India (GSI)- Visit Photos



Geological Survey of India (GSI)- Visit Photos

2) Field visit to Sri Satti Reddy Aggregate Crusher Industry

A field visit to [Sri Satti Reddy Aggregate Crusher Industry](#), Ghatkesar, Hyderabad, was organized on 2nd March 2019 for B. Tech Second Year Students. The faculty members Mr. V. Gowtham, Mrs. D. Divya Vani, Mrs. S. Susmitha, Mr. B. Kowshik Reddy, Ms. P. Supriya Reddy accompanied the students during the visit. The students practically studied the stone crushing machinery, the process of stone crushing, process of grading the crushed stones into different sizes, etc.

The photos taken during the visit are presented below:



Sri Satti Reddy Aggregate Crusher Industry - Visit Photos

3) Field visit to KSR Cemex Ready Mix/ Crusher

A field visit to [KSR Cemex Ready Mix/Crusher](#) at Ghatkesar, Hyderabad, was organized on 2nd March 2019 for B. Tech Second Year Students. The faculty members Mr. V. Gowtham, Mrs. D. Divya Vani, Mrs. S. Susmitha, Mr. B. Kowshik Reddy, Ms. P. Supriya Reddy accompanied the students during the visit. Students practically studied the machinery involved in the preparation of concrete ready mix, the sieving techniques, the process of preparation of concrete ready mix, the associated material testing laboratory, etc.

The photos taken during the visit are presented below:



KSR Cemex Ready Mix/ Crusher- Visit Photos

IX Activities Organized by the Department

1 IGBC – Student Chapter

The student chapter of Indian Green Building Council (IGBC) was inaugurated on 24.1.2019 in the department.

The Indian Green Building Council (IGBC), a part of the Confederation of Indian Industry (CII) was formed in the year 2001. The vision of the council is, "To enable a sustainable built environment for all and facilitate India to be one of the global leaders in the sustainable built environment by 2025".



Civil Engineering Department Faculty

Article

Four reasons why students should control their cell phone usage

With the advent of advanced technology, growing use of mobile phones and other gadgets are considerably harming the younger generation. Students are developing a strong connection with their mobile phones, which is leading to a massive loss in their concentration and time spent in studies. Parents and teachers usually face problem in combating the distraction of students.

"Anything which is available, accessible, new, fast and related to information and technology tends to attract a lot of people. When children see their parents, family members and everybody in their surroundings using cell phones, they adapt this as a natural phenomenon. Basically, it is the sheer presence which leads to immediate inclination towards technology," says Dr Samir Parikh, a child Psychiatrist Director, Fortis Hospital.

Here's a list of negative effects caused to a student with excessive use of mobile phones:

1. Lack of concentration

- *Heavy internet and mobile phone users are prone to lack of concentration and forget things easily.*
- *This also affects their awareness and eventually lead to passive mind.*
- *Moreover, this also leads to weak focus and attention.*

2. Stress

Parents want to give all the facilities to their children at a tender age so as to help them carve a perfect career path. They purchase the most expensive and latest smartphone for their children for this, which in itself is the origin of all the problems apparently. Students generally have peer pressure to maintain their image. Even if they do not want to buy an expensive mobile phone, they will do it for their friend circle. Children get stressed trying to maintain a proper communication level with parents, teachers and friends on phone

3. Low grades

Of course, use of technology has direct implication on education, be it positive or negative. If a teacher is using technology in the classroom, it will benefit a student. However, if a student chatting for long hours on phone, it will definitely leave a negative impact on him/her.

According to a report published in the Guardian, a research done by Louis-Philippe Beland and Richard Murphy, published by the Centre for Economic Performance at the London School of Economics, says: "Ill Communication: The Impact of Mobile Phones on Student Performance" found that after schools banned mobile phones, the test scores of students aged 16 improved by 6.4%.

4. Lack of vision

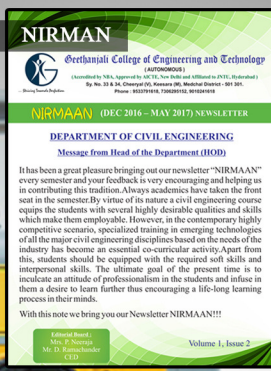
Anxiety, stress and depression are some of the problems faced by students due to 24-hour connection with friends and other people. According to a study, students fail to set goals for themselves due a confused state of mind. What leads to a confused state of mind? Teenagers get deep into a delirious state of mind once they start keeping their phone next to them at all times.

- *They do not sleep.*
- *They constantly check their phone.*
- *Despite sleeping, they are not stress free.*

Source: India Today



Volume I, Issue I
(Jun 2016 - Nov 2016)



Volume I, Issue II
(Dec 2016 - May 2017)



Volume II, Issue I
(July 2017 - Dec 2017)



Volume II, Issue II
(Jan 2018 - June 2018)



Volume III, Issue I
(July 2018 - December 2018)

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