



... Striving Towards Perfection

Geethanjali College of Engineering and Technology

(AUTONOMOUS)

(Accredited by NBA, Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)

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NIRMAAN

(JUN 2016 – NOV 2016) NEWSLETTER

DEPARTMENT OF CIVIL ENGINEERING

Message from Head of the Department (HOD)

It has been a great pleasure bringing out our newsletter “NIRMAAN” for the first time since the inception of the department in 2014-15. By virtue of its nature a civil engineering course equips the students with several highly desirable qualities and skills which make them employable. However, in the contemporary highly competitive scenario, specialized training in emerging technologies of all the major civil engineering disciplines based on the needs of the industry has become an essential co-curricular activity. Apart from this, students should be equipped with the required soft skills and interpersonal skills. The ultimate goal of the present time is to inculcate an attitude of professionalism in the students and infuse in them a desire to learn further thus encouraging a life-long learning process in their minds.

With this note we bring you our Newsletter NIRMAAN!!!

Editorial Board :

Mrs. P. Neeraja
Mr. D. Ramachander
CED

Volume 1, Issue 1

I. Participation in National / International / Conferences / Seminars /Workshops

1. **Mrs. P. Neeraja** Associate Professor of Civil Engineering Department participated in Three day National workshop on “Water Recourses, Climatic Change Impacts and Adoption Strategies” at IIITGachibowli from June 19th to June 22nd 2016.
2. **Ms. G. Hemalatha**, Assistant Professor of Civil Engineering Department participated in Two day National workshop on “Computer Applications in Civil Engineering” at Vasavi College of Engineering, Hyderabad on **October 21 & 22, 2016**.
3. **Mr. B. Kowshik Reddy & Mr. T. Sandeep**, Assistant Professor of Civil Engineering Department participated in Two day National workshop on “Good Concrete Construction Practices” at Osmania University, Hyderabad on **October 28 and 29, 2016**.

II. Paper Publications:

1. **Mr.D.Ramachander** Asst. Prof of Civil Dept, **Mr.B.Kowshik Reddy** Asst. Prof of Civil Dept, **Mr.Sreenivas Prasad Joshi** Asst. Prof of Civil Dept and **Mr.V.Goutham** Asst. Prof of Civil Dept have published paper titled “Seismic Disaster Mitigation” paper in IJTIMES ISSN:02455-2584, volume 2, issue No:8, August 2016 issue.
2. **Mr.D.Ramchander** Asst. Prof of Civil Dept, has published paper titled “A Study on no cement concrete” IJCEIR ISSN:02455-5868, Vol-5, Issue-7, Pg:6188-6195

III. Faculty Development Program(FDP) Conducted:

3 Day FDP on Design and Detailing of Reinforced Concrete Structures – June 08th to 10th 2016.

The FDP programme on Design and Detailing of Reinforced Concrete was organized in the college by the Department of Civil Engineering from 08th-10th June 2016. There were around 30 faculty members from various institutions all over the state. The programme was inaugurated on June 8th 2016 at 10.00 A.M in the Department of Civil Engineering in the presence of Mr.G. R. Ravinder Reddy – Chairman - GCET, Dr. Udaya Kumar Susarla, Principal-GCET, Dr. T. Shiva Prasad - HOD-Mechanical Engineering-GCET, Dr.R. Ravi Varma, HOD-Civil Engineering-GCET, Prof P. Sreenivasa Sharma distinguished Guest (CBIT) and other faculty members.

Mrs. P. Neeraja, Associate Professor in Dept of Civil Engineering, welcomed all the dignitaries, speakers and the faculty members from various engineering institutions. The inaugural session started with lighting the lamps and prayer song. During the inaugural session all the dignitaries shared their views regarding the first FDP session organized by Department of Civil Engineering, GCET. Mr. G. R. Ravinder Reddy, Chairman-GCET congratulated the Department of Civil Engineering for the initiation of the FDP, to develop the quality of teaching by the faculty members.

The inaugural session was followed by tea break. The first session of FDP was started at 11.00 A.M, with the lecture on the overview of Working Stress Method (WSM) & Limit State Method (LSM)-Reinforced Concrete (RC) design of beams. The session was very interactive between the speaker and the participants in the FDP for the first day.

Second day of FDP started with the lecture on concepts of Shear and Columns by the distinguished speaker **Mr. B.D.V. Chandramohan, Professor, VNR Vignanjyothi College of Engineering and Technology.**

Speaker for the third day of FDP on 11-June-2016 was **Mr. Malikarjun Reddy, Associate Professor, GokarajuRangaraju Institute of Engineering and Technology (GRIET)** on the concept of Footings, Staircases and Detailing.

The valedictory function was started by giving vote of thanks by HOD-CE, GCET. He expressed his thanks to the distinguished speakers and the staff of Civil Engineering, GCET and all other participants of various institutions.

From the 3 day session, all the faculties experienced the teaching methodologies in different ways to deliver the subject to students with practical applications and the significance of the subject in day to day life.



IV. Guest lecture:

Role of Construction Chemicals In the World Of Concrete on August 02, 2016.

A guest lecture on “Role of Construction Chemicals in the World of Concrete” was organized by the Civil Engineering Association under Civil Engineering Department on August 02, 2016. Mr. G. Ravi Kiran, Technical Manager, BASF was the speaker for the day.

The speaker explained at length the role of different Admixtures (construction chemical compounds) in the construction industry. He emphasized that the chemical compounds are the key ingredients which indeed influence the strength of the concrete, workability, retention etc. Further, these chemical compounds also alter the behavioral and chemical properties of the concrete which are very much essential for executing any construction.

The speaker also elaborated on the role of different chemical admixtures in self compacting concrete, underwater concrete, foam concrete and spray concrete, and the role played by other products like Glenium(used rheo dynamics of concrete), Rheobuild (for regular super plasticized concrete), Pozzolith (for water reduced concrete), Rheofit (for improved MCP Production) and Meyco (for shortcreting) in the construction of buildings, bridges and other civil engineering structures. He exhibited a wide range of BASF products of roof insulation and wall insulation materials which are adopted in green building concept.

In addition to this he provided BASF products brochure to every student and faculty. The guest lecture was highly informative and useful for the Civil Engineering fraternity. Students clarified doubts with great enthusiasm.

Inspiring Personality: Mokshagundam Visvesvaraya

Mokshagundam Visvesvaraya, KCIE (popularly known as **Sir MV**; 15 September 1861 – 12 April 1962) was an Indian engineer, scholar, statesman and the Diwan of Mysore from 1912 to 1918. He is a recipient of the Indian Republic's highest honour, the Bharat Ratna, in 1955. He was knighted as a Knight Commander of the British Indian Empire (KCIE) by King George V for his contributions to the public good. Every year 15th September in India is celebrated as Engineer's Day in his memory. He is held in high regard as a pre-eminent Engineer of India. He was the chief engineer responsible for the construction of the Krishna Raja Sagara dam in Mysore as well as the chief designer of the flood protection system for the city of Hyderabad



V. Industrial Visits:

Construction Skills Training Institute (CSTI), Jedcharla

A visit to L & T Construction Skills Training Institute (CSTI), Jedcharla was organized on 10th September, 2016 and 1st October 2016 by Civil Engineering Department for B.Tech IIIyr students. The students of each section were accompanied by two faculty members.

L&T, India's largest engineering construction organization founded the Construction Skills Training Institute (CSTI) way back in 1995 at Chennai, with an objective to regulate and promote Construction Vocational Training in India in a professional manner. Construction Skills Training Institute (CSTI) was founded with a motive to regulate and promote Construction Vocational Training in India in a professional manner, in order to develop a Modular Training System for Construction related Trades, which will supply the Industry with a significant number of workers, trained to limited but recognized skill levels, in the shortest possible time. CSTI branches have been established in Mumbai, Delhi, Kolkata, Ahmadabad, Bangalore and Hyderabad.

For a fast growing and evolving industry like the construction industry, the need for skilled labor is paramount and as a leader, L&T Construction is playing a key role in creating skilled labor through its Construction Skills Training Institutes (CSTIs) that are spread across the country.

L&T began to promote Construction Vocational Training (CVT) in India by establishing a Construction Skills Training Institute (CSTI) in late 1995 at Chennai. For more than a decade, CSTI has been developing skilled workforce through structured training. Such structured training enables both new entrants and less experienced workers in the industry, progressively improve their knowledge and competencies in the respective trades. Construction skill standards are formulated for different trades after carefully analyzing the knowledge and the skill expected for each level of competency. In addition, different trade tests have been specified to assess the knowledge and skill level which has been attained.

At CSTI, a wide range of form work and reinforcement model samples were exhibited in the display hall by the CSTI Staff members. All the students and faculty were elated to have a glance over the wide range of models of form work and reinforcement samples for foundations, columns, beams, and slabs which are specially designed by L&T other than the conventional formworks which were on display.

A Video presentation was also organized which explain the company's history, profile and recent projects. Another video session explaining about CSTI Program and its role in training the construction workforce to meet the challenges, demand for world class construction skills in terms of safety, quality of workmanship and time was also presented

The faculty members who accompanied the students for the CSTI visit were Mr. D.Ramachander, Mr. B.Kowshik Reddy, on 10 September, 2016 and Mr. G. Sampath, Mr. T. Sandeep, and Mrs. P.Neeraja Reddy on 01 October, 2016. The visit was highly informative and useful to all the students and the faculty of the Civil Engineering Department.



VI. Events Organised:

Bhaswara: Civil Engineering Department organized events for Bhaswara, on August 27th 2016. Students participated in various events like poster presentation, paper presentation and various activities.





Civil Engineering Technical Association(CETA):

The Civil Engineering Department on occasion of Engineers day 15th September organized department fest, Professor Rayulu retired Executive Engineer from Irrigation Department was the chief guest for the event. Various competitions like model making, paper presentation, poster presentation were conducted for students.



Gallery

