

About Department

Department of Civil Engineering was established in the year 2010 with an intake of 60 students and subsequently in the year 2012 the intake was increased to 120 students. The department unveiled another programme 3 year Diploma in Civil Engineering with an intake of 60 students in the year 2014. The course offers a deep insight into the discipline and enables promising engineers to acquire skills required to succeed both individually as well as in Industry. The department is committed to well being and all round development of its students. The department is very well equipped with 9 laboratories and computational facilities.

Vision

To emanate as a proficient learning resource – center producing competent technocrat.

Mission

- Provide Conceptual and practical- oriented teaching- learning approaches
- Offer skill based trainings through advanced and sustainable technologies
- Organize activities on professional and interpersonal skills through industry interaction
- Establish learning environment promoting to societal, environmental and ethical values

Program Educational Objectives (PEOS)

- Analyse technical concepts and demonstrate expertise in designs, analysis and implementation of infrastructural projects of Civil Engineering
- Engage in engineering profession with teamwork focusing on sustainable technologies and ethical practices
- Adopt innovative technologies and update skills through lifelong learning

Workshops

- A Five day workshop on “Land survey using total station” was organized by the department of CE, from 25-02-2020 to 29-02-2020. 49 students got benefited by the workshop. The resource person Mr. Dinesh M.R explained the concept for IV B.Tech CE students. Mr. P. Umasai Krishna, Assistant professor, Department of Civil engineering coordinated the programme.



Sports and Games:

- D. Jyothi Swaroop reddy (172U1A0157) and V. Siva Sankar (172U1A0186) has participated in a national level technical, cultural & sports fest “PRAGNA-2K20” and placed winner position for volley ball competition on 06-03-2020& 07-03-2020 at Indira Institute of Technology & Sciences-Chaitanya college of Pharmacy, Darimadugu(V), Prakasam District.

Department Association Activities

The Department of Civil engineering conducted a Essay writing competition as a part of Department Association activities for B.Tech I, II, III & IV Year students on 09-02-2020. In this competition, Faculty give the topic on which students have to write Essay writing. It is conducted for students to improve their writing skills.40 students were participated in this competition out of which Mahalakshmi got first prize and K.Mohan got second prize in this competition.



GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY::NELLORE

DEPARTMENT OF CIVIL ENGINEERING

NEWS LETTER

Kinetic Chronicle

“Striving to Excellence”

Earthquake Resistant Buildings Design:

Earthquake causes shaking of the ground. So a building resting on it will experience motion at its base. From Newton's First Law of Motion, even though the base of the building moves with the ground, the roof has a tendency to stay in its original position. But since the walls and columns are connected to it, they drag the roof along with them. This tendency to continue to remain in the previous position is known as inertia. In the building, since the walls or columns are flexible, the motion of the roof is different from that of the ground Buildings experience motion due to earthquake.

Effect of Deformations in Structures

The larger is the relative horizontal displacement u between the top and bottom of the column, the larger this internal force in columns. Also, the stiffer the columns are (i.e., bigger is the column size), larger is this force. For this reason, these internal forces in the columns are called stiffness forces. In fact, the stiffness force in a column is the column stiffness times the relative displacement between its ends.

Editors:

Mrs. I. Rajeswari, Asst. Professor, Ms.M. Reshma, Asst. Professor.

Student's Editors:

GunjiRamanarayana, 162U1A0126, II CE, Shaik Rashida Begum, 162U1A0174, II CE, P. Mouli 152U1A0166, III CE, Shaik Rehaman, 152U1A0191, III CE.

