

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)

- Analyze 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

Faculty Publications

- Ms. V. Prathima Reddy has published a paper on “Design of prestressed concrete bridge cross over a cannal at Gandhi janasangam” in International Journal of Engineering research and general science at September 2017.

- Ms. V. Prathima Reddy has published a paper on “Comparative study of conventional concrete with banana fiber modified concrete” in International Journal of Engineering research and general science at September 2017.
- Ms. V. Prathima Reddy has published a paper on “Comparative analysis of nominal concrete with polymer modified concrete” in International Journal of Engineering research and general science at September 2017.
- Mr. Sk. NAdhim has published a paper on “Design of prestressed concrete bridge cross over a cannal at Gandhi janasangam” in International Journal of Engineering research and general science at September 2017.
- Mr. Sk. NAdhim has published a paper on “Comparative study of conventional concrete with banana fiber modified concrete” in International Journal of Engineering research and general science at September 2017.
- Mr. Sk. NAdhim has published a paper on “Comparative analysis of nominal concrete with polymer modified concrete” in International Journal of Engineering research and general science at September 2017.
- Ms. I. Rajeswari has published a paper on “Design of prestressed concrete bridge cross over a cannal at Gandhi janasangam” in International Journal of Engineering research and general science at September 2017.
- Ms. I. Rajeswari has published a paper on “Comparative study of conventional concrete with banana fiber modified concrete” in International Journal of Engineering research and general science at September 2017.
- Ms. I. Rajeswari has published a paper on “Comparative analysis of nominal concrete with polymer modified concrete” in International Journal of Engineering research and general science at September 2017.



FDP attended

- Ms. V. Prathima Reddy has successfully completed an AICTE approved FDP on “Foundation Program in ICT for Education” conducted by IIT Bombay from 03-aug-2017 to 07-Sep-2017.
- Ms. I. Rajeswari has successfully completed an AICTE approved FDP on “Foundation Program in ICT for Education” conducted by IIT Bombay from 03-aug-2017 to 07-Sep-2017.
- Ms. I. Rajeswari has successfully completed an AICTE approved FDP on “Pedagogy for online and blended teaching learning process” conducted by IIT Bombay from 14-Sep-2017 to 12-Oct 2017.

Workshops

- A Five day workshop on Design and Drawing of Irrigation Structures was organized by the department of CE, from 01/08/2017 to 05/08/2017. The resource person Mr. V. Pavan Kumar, Site Engineer, Pardha Elites Construction, Sullurupeta, explained various concepts of Design and Drawing of Irrigation Structures for III B.Tech CE students.



Department Association Activities

- Department of Civil engineering has organised “ENGINEERS DAY-2K17” under GRACE association on 15/09/2017.
- Department of Civil engineering has organised “POSTER PRESENTATION” under GRACE association on 29/09/2017

Pile Foundation:

A pile is basically a long cylinder of a strong material such as concrete that is pushed into the ground to act as a steady support for structures built on top of it. Pile foundation has many applications as will be explained below.

In foundation practices, the main point of concern is bearing capacity of soil. Bearing capacity can be defined as the maximum load that can be carried by the soil strata. When the soil is strong enough that it can carry the whole load coming on it, then we use shallow foundation. Shallow foundations are usually used where hard soil strata is available at such a depth that construction of foundation is not too costly.

If hard soil is available at deeper levels of earth, then there is a need of some source that can transfer the load of the structures on the deep hard soil strata. This source can be said to be as the deep foundation. Pile foundation is a type of foundation in which pile is usually used as the source to transfer the load to deep soil levels. Piles are long and slender members that transfer the load to hard soil ignoring the soil of low bearing capacity. Transfer of load depends on capacity of pile. There is a need that pile should be strong enough to transfer the whole load coming on it to underlying hard strata. For this purpose, pile design is usually given much consideration. Depending on the load, type of material is usually selected for the piles.



Editors:

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

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