

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

Student Achievements

- Mr. K. Manoj kumar, Department of Civil engineering have excelled and secured 1st prize in chess competition “inter south zone JNTUA selections” on 1st oct 2018 at Swetha Engineering College, Tirupathi.

Department Activities

- Department of civil engineering has organized a **Career** Guidance Program on “**Engineering Geology**”, for III CE students on 22nd October 2018. The resource person was Alumni student Ammineni Gopikrishna, Working at JSSL Sever Field Structures Limited in Ballary.
- Department of civil Engineering under Grace Association has distributed clay idols of Lord Ganesh on the occasion of Vinayaka Chavithi-2K19.
- Department of civil engineering has organized 5 days value added course to the IV year students of Civil Engineering Dept from 08-10-18 to 12-10-2018. The resource person was Sri.Ch. Manoj Kumar, Site Engineer, Sri Saiteja Constructions and Consultancy, Srikakulam.



Faculty contributions:

- Mr. P. Uma sai Krishna, Assistant Professor, Department of civil engineering has attended a one week workshop on “Non- destructive testing techniques for insitu concrete” Narayana Engineering college, Gudur from 12-12-2018 to 18-12-2018.
- Mr. P. Sai Pradeep, Assistant Professor, Department of civil engineering has completed a NPTEL certified course on “Geo Environmental Engineering” and awarded a certificate with the score of 63%.

Acedamic toppers



KAKARLA SAI CHIHNITHA
(142U1A0121)
85.50%



Y. SUNEEL
(142U1A0182)
84.50%



B. SASIKANTH
(152U1A0112)
9.17



T. PRASAD
(162U5A0122)
8.96



SHAIK RASHIDA BEGUM
(162U1A0174)
8.74



P. UDAY KUMAR
(172U5A0112)
8.26



GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY::NELLORE

DEPARTMENT OF CIVIL ENGINEERING

NEWS LETTER

Kinetic Chronicle

“Striving to Excellence”

This article shows the influence of axial force eccentricity on high strength concrete columns design. The behavior of columns made of normal, middle and high strength concrete with slenderness values between 20 and 60 under an eccentric axial force has been studied. Structural analysis has been developed by means of software which considers both geometrical and mechanical non-linearity. The sequence of points defined by increasing values of axial force and bending moment produced by eccentricity has been represented on the cross-section interaction diagram until failure for each tested column. Then, diagrams depicting the relationship between failure axial force and column's slenderness have been drawn. The loss of bearing capacity of the member for normal and middle strength columns when compared with the bearing capacity of their cross-section is more noticeable as axial force eccentricity assumes higher values. However, this situation reverses for high strength columns with high slenderness values. On the basis of results obtained, the accuracy level for the moment magnifier method was checked. Despite the good concordance in most of the cases, it was verified that the moment magnifier method leads to excessively tight results for high strength concrete columns with high slenderness values.



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