

### Workshops

- A Five day workshop on Building Planning and Drawing was organized by the department of CE, from 17/01/2019 to 22/01/2019. The resource person Mr. Sri. Ch. Manoj Kumar, Site Engineer, Fortuna Infra, Tumkur explained various concepts of Building Planning and Drawing related aspects right from the fundamentals for II B.Tech CE students.
- A Five day workshop on BUILDING INFORMATION MODELING was organized by the department of CE, from 03<sup>rd</sup> to 07<sup>th</sup> January 2019. The resource person Mr. Sk. salman explained various concepts of building information modeling related aspects right from the fundamentals for all B.Tech CE students.



The Principal of GIST, Prof. Dr. G.Subba Rao, in the inaugural address also mentioned the importance of building information modelling in the related fields of Civil engineering. The head of the Department of CE, Ms. I. rajeswari , Mr. N.S. Abhilash, Assistant. Professor and faculty members of CE also took part in the workshop actively.



- A Six day workshop on REVIT ARCHITECTURE DESIGN was organized by the department of CE, from 04<sup>th</sup> to 09<sup>th</sup> February 2019 in collaboration with APSSDC for II year B.Tech CE students.



The Principal of GIST, Prof. Dr. G.Subba Rao, in the inaugural address also mentioned the demand of revit architecture design in the related fields of Civil engineering. The head of the Department of CE, Ms. I. rajeswari, Mr. N.S. Abhilash, Assistant Professor and faculty members of CE also took part in the workshop actively.

A Five day workshop on TOTAL STATION was organized by the department of CE, from 19<sup>th</sup> to 23<sup>rd</sup> February 2019. The resource person Mr. Dinesh M.R explained various concepts of total station related aspects right from the fundamentals for IV B.Tech CE students.

The Principal of GIST, Prof. Dr. G.Subba Rao, in the inaugural address also mentioned the demand of total station in the related fields of Civil engineering. The head of the Department of CE, Ms. I. rajeswari , Mr. N.S. Abhilash, Assistant. Professor and faculty members of CE also took part in the workshop actively.



### Department Association Activities

- Department of Civil engineering organized an **JAM Competition under GRACE association** on 09<sup>th</sup>Mar2019.

### Industrial visit

- Department of Civil engineering organized an **INDUSTRIAL VISIT to DODLA DAIRY near Devarapalem**, for IV B. Tech Students on 06<sup>th</sup>Feb2019.



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## 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



**GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY::NELLORE**

**DEPARTMENT OF CIVIL ENGINEERING**

*NEWS LETTER*

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**“Striving to Excellence”**

## Spur Dikes Design and Requirements in Geometry:

Spur dikes (or groynes) are structures constructed projecting from a bank to protect the bank from erosion. These are widely used for the purpose of river training. These structures may either be impermeable or permeable so as to allow some flow parallel to the bank, but at a low enough velocity to prevent erosion and / or encourage sediment deposition. Care needs to be exercised in the use of spurs to ensure that they do not simply transfer erosion from one location to another, or initiate unforeseen changes in the general channel morphology.

### Geometrical design of spur:

By acting on the flow around them, spur dikes tend to increase local velocities and turbulence levels in their vicinity. The structure of the dike itself may be liable to erosion; flow moving parallel to the bank is intercepted and accelerates along the upstream face of the dike towards the nose. The high velocities and strong curvature of flow near the nose of a spur can cause significant scouring of the adjacent channel bed. Unless the foundations of the structure are deep enough or are well protected.



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