

CIVIL ENGINEERING

SRISHTI



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Our Vision

- ▶ To develop into a center of excellence for quality education moulding competent civil engineering professionals dedicated to the progress and development of humanity.

Our Mission

- ▶ To provide quality education and training to create competent civil engineers
- ▶ To interact with industries to provide a knowledge base for existing and emerging technologies in the field of civil engineering.
- ▶ To inculcate moral and ethical values among the students to mould them as civil engineers with social obligations.

CIVIL DEPARTMENT



Civil Engineering is a Professional Engineering discipline that deals with the design and construction of the physical and naturally built environment, including works such as bridges, roads, canals, dams and buildings.

The Dept of Civil Engineering was established in 2010 for imparting bachelor of Civil Engineering and post graduation course in Structural Engineering and Construction Management. The department has well-equipped labs in all disciplines which gratify to the need of the undergraduate and postgraduate students.

FROM THE DESK OF THE HEAD



It gives me immense pleasure to lead the Department of Civil Engineering.

The Department of Civil Engineering with its multifaceted faculty maintains its strong links with the construction industry by engaging in consultancy activities. The students here are encouraged to engage in extra-curricular and co-curricular activities which are essential for personality development, nurturing of team spirit and development of organizational skills.

EDITORIAL BOARD

Staff Editors:

Mr. Ashwin Joy, Ms. Hridya P

Student Editors

Gokul (S7), Amal (S5),

Reshmi (S7) Karthika (S3)

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BUILDING INFORMATION MODELING (BIM) WORKSHOP

BIM (Building Information Modelling) is the trending concept in Civil Engineering where we can generate and manage digital representations of physical and functional characteristics of Structural Elements. BIM Model holds all the information about a structure. This model will have thousands of information stored in it related to the structure, right from the smallest nut and bolt, to the largest concrete column in the building. Such an interactive workshop accompanied with actual case studies was organized for the final year students which exposed to them, the techniques involved in acquiring the informations about the Structures by using BIM models, and exposing them to the various roles of a BIM engineer.



Course Highlights

- Learn what BIM is all about and how to interpret it
- Understand different functionalities of BIM
- Learn how to Mass model a structure using Morph tool
- Generation of 3D Documents from floor plans for execution
- This workshop gives you a unique opportunity to experience what happens in a real life execution of projects using BIM Documents

PTA MEETING

The Parent Teachers Meeting for B.Tech (For all semesters) were scheduled on 17th, 18th and 19th of September to discuss about students progress and performance in their academics and non-academics. Principal, Dr. Benny Joseph addressed the parents regarding rules and regulations of the institute. Rev. Fr. James Chellankottu highlighted the best practices for effective teaching learning process and how it helps students in placement and for higher studies. Parents were given feedback on their wards' performances in the Internal Assessments. Meritorious students were honoured in the function



TALL BUILDINGS DESIGN WORKSHOP



The design of tall buildings essentially involves conceptual design, approximate analysis, preliminary design and optimization to safely carry different loads acting on structure. The structural design for a skyscraper must ensure that the building is able to stand up safely, able to function without excessive deflections or movements which may cause fatigue of structural elements, cracking or failure of fixtures, fittings or partitions, or discomfort for occupants. Tall Building Design Workshop was primarily intended at educating the participants about analysis and design of tall buildings for civil students.

Students were introduced to building design. With the help of various case studies, the participants could understand and develop the skills required for designing tall buildings in the real world. They also learnt to evaluate different problem statements given to them and so increase proficiency in key civil engineering concepts

PLACEMENT TRAINING BY WIPRO

A 3 days training by WIPRO was held on 14th, 15th and 16th of October for final year students. Almost 20 students from the department attended the training. The candidates were made aware of the ability to participate in such trainings to receive hands on learning about a particular future career which could uplift their potential.



ONAM CELEBRATIONS

VJEC family celebrated the Onam on a humungous magnitude of grandeur on 7th September 2019. Students arranged colorful competitions, such as floral carpet and tug of war. The students as well as faculties brought them to the college, serve & taste in a harmonious way. An onam celebration is incomplete without the delicious feast, and therefore, an Onam Feast was also organized, famously called the "Onam Sadhya". There lay a great deal of planning and efficiency in organizing the afore-mentioned.



STUDENTS' ACHIEVEMENTS

- Alfin Jose of S5 CE A got selection for university softball team.
- Leo Jose of S7 CE B turned runner-up in Intercollege Badminton Tournament



INDUSTRIAL VISIT

Industrial visits, a part of professional courses in the curriculum is during which students visit companies and get insight of on the internal working environment of the company. Such Industry visits sensitize students to the practical challenges that organizations face in the business world. Students of second year, third year and final year visited industries like Solar Observatory, Idukki Dams and other structures of archaeological significance. IV was held from 4th to 7th of october 2019.



NEW FACES OF THE DEPARTMENT



Ms. Aiswarya

M.Tech in Structural Engineering



Ms. Anitta

M.Tech in Structural Engineering



Ms Poornima

M.Tech in Structural Engineering

"Architects and engineers are among the most fortunate of men since they build their own monuments with public consent, public approval, and often public money." - John Prebble