



DEPARTMENT OF CIVIL ENGINEERING

INNOVATIONS BY THE FACULTY IN TEACHING AND LEARNING

• **Uses of ICT (Information and Communication Technology)**

The Information and Communication Technology based materials like eBooks, PPT, Real-time animation videos, Audio Visuals and OHP are used more frequently by our faculty in each subject. This ensures effective class room delivery by our staff.

• **Instructional Delivery**

Our staffs are normally advised to have a clear in depth knowledge on subjects by preparing lecture notes, question and answer banks. Additionally, they have frequent practice in conducting group discussions, Tutorial Classes, Viva Voce, and seminar classes.

• **Instruction Methods**

The Universally accepted method like Chalk and Talk is usually followed by our staff. Additionally, the usage of PPT, OHP, etc helps for effective teaching learning Communication.

• **Assessment & Evaluation**

Normally, the assessment and evaluation of students for a particular subject is done by means of

- Asking Question and Answering in Class Room.
- Giving Practice through Assignment.
- Creating Models.
- Use of modern teaching aids like LCD Projectors, Smart class room devices etc.,
- Faculty member use e-learning - resources from National Programme on Technology Enhanced Learning, working models, open course ware from national and international universities like IIT, etc., animation videos which explains the process etc. for effective teaching. The few links of e-resources are

<https://www.udemy.com/>

<https://www.iitbombayx.in/>

<https://www.coursera.org/>

<https://www.edx.org/>

<https://online.stanford.edu/courses>



SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE

Gobichettipalayam – 638 455, Erode, Tamil Nadu

- Faculty members are encouraging the students to participate in SWAYAM/NPTEL online courses, Virtual Lab etc., through online mode, which will enhance the knowledge of the students
<https://swayam.gov.in/publiccourse>
- In principle, all the courses follow lecture method (chalk and board and/or PPT's presentation through LCD) providing sufficient time for interaction.
- In addition to the classroom interactions, following are the other methods of learning experiences provided to the students:
 - Project work
 - Short /long term Industrial visits
 - Field work/ Internships
 - Oral presentation
 - Technical Seminars / symposiums / workshop
 - Technical paper presentations / Group discussions

NAME OF THE FACULTY	NAME OF THE SUBJECT	TOPIC	INSTRUCTION METHOD USED
Dr.C.Muthukani	Maintenance , Repair And Rehabilitation of Structures	Self Compacting Concrete	PPT NPTEL Videos 3 Min Talk
Mr.R.Gnanasigamani	Design of Steel Structural Elements	Types of simple bolted and welded connections Relative advantages and Limitations	Brainstorming Group Activity Quiz
Mr.N.Thirugnanasambantham	Surveying	Equipment and accessories	Role Play Crossword Puzzle Group Discussion
Ms.A.Sandhiyadevi	Strength of Materials I	Simply supported and overhanging beams with concentrated load	Brainstorming Group Activity Quiz
Mr.A.S.Ramanan	Highway Engineering	History of road development in India	Role Play Crossword Puzzle Group Discussion

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