



SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE

Accredited by NAAC with 'A' Grade
An ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai
Gobichettipalayam – 638 455, Erode District, Tamilnadu
Web: <http://www.svhcec.com/>



DEPARTMENT OF ELECTRICAL AND ELECTRONICS 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/>



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

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

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

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

- 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
 - Laboratory Teaching
 - Three minutes talking method



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Name of the Faculty	Name of the Subject	Topic	Instruction Method used
Dr.P.Karuppusamy	Power system protection and switchgear	Static relays	Brainstorming, Group discussion, Quiz
Mr.K.C.Anandhan	Transmission and distribution	Construction and Operation of an Under Ground Cable	Brainstorming, Group activity, Gaming
Mr.V.Rathinavelsubramaniam	Power System Analysis	Power Flow Studies	Brainstorming, Game, Crossword Puzzle
Mr.V.Nijanthan	Power system operation and control	Unit Commitment	Roleplay, Group activity, Quiz
Mr.G.Prabhakaran	Renewable Energy systems	Wind power plant	Brainstorming, Group discussion, Quiz



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Session Plan

Construction and Operation of an Under Ground Cable

Time (in min)	Content	Learning Aid and Methodology	Faculty Approach	Typical Student Activity	Learning Outcomes (Blooms + Gardeners)
05	Introduction to an under ground cable	Brainstorming	Facilitates Explains	Listens Participates	Remembering Understanding Intrapersonal
20	Constructional Details and Principle of Operation	OHP with Transparent Sheet	Demonstrates Explains	Observes Understands Clarifies doubts	Understanding Analyzing Intrapersonal Linguistic
10	Types of Cables with Advantages and Disadvantages	LCD projector with slides	Explains with Practical Examples	Listens Makes questions Writes notes	Understanding Analyzing Remembering Intrapersonal Interpersonal
15	Conclusion	Group activity	Summaries	Recalls Answers Participates in debates	Remembering Intrapersonal Verbal Interpersonal Linguistic

V. Arulmurugan
HOD 15/12/26

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