

# **Government College of Engineering, Salem- 11**

*(An Autonomous Institution affiliated to Anna University, Chennai)*



## ***SELF-STUDY REPORT***



### **CRITERION 4**

**4.3.3 Institution has dedicated audio visual centre, mixing equipment, editing facility, media studio, lecture capturing system(LCS) and related hardware and software for e-content development**

*(Submitted to National Assessment and Accreditation Council)*

## **Self Declaration**

This is to certify that the supporting documents for this metric exceed the 5MB upload limit. Therefore, links to sample documents and some samples are provided in the following pages. Any/all Supporting documents will be provided, if required. All links, documents and images are verified and authenticated.



**IQAC – Chairperson**

**Internal Quality Assurance Cell  
Govt. College of Engineering  
Salem - 636 011.**

### 4.3.3 Institution has dedicated audio visual center, mixing equipment, editing facility, media studio, lecture capturing system (LCS) and related hardware and software for e-content development

#### Digital Lecture Capturing system

##### 1. Digital Interactive Board/Smart Board

The link for detailed information on Digital Interactive Board/Smart Board is given here.

<https://www.youtube.com/watch?v=ELUU0jJdQIQ>

e- content for few courses has been developed. The link for few courses is as follows:

S.N O	Subject name	Sub code	Prepared by (Name of faculty with designation, MAIL ID, Ph. No)
1	Transmission lines and RF systems	EC3551	Prof.K.Jayanthi, AP/ECE <a href="mailto:jayanthikathir4413@gmail.com">jayanthikathir4413@gmail.com</a> Mob NO-6383446842
2	Underwater Communication	CEC357	Dr.T.Thenmozhi, AP/ECE, <a href="mailto:thenkavin2555@gmail.com">thenkavin2555@gmail.com</a> Mob NO-9677094353
3	4G/5G Communication Networks	CEC331	Dr.P.Indra AP/ECE <a href="mailto:pindhu11123@gmail.com">pindhu11123@gmail.com</a> Mob NO-9003055428
4	Analog Communication	18EC404	Prof. D.Manibharathi AP/ECE <a href="mailto:deenamani@gmail.com">deenamani@gmail.com</a> Mob No-9487111543
5	Control Systems	18EC405	
6	Signals and Systems	18EC303	
7	Validation and Testing Technology	CEC361	Dr.I.Kalphana, AP/ECE <a href="mailto:kalphanasenthil@gmail.com">kalphanasenthil@gmail.com</a> Mob NO-7358901323
8	Rocketry and Space Mechanics	CEC351	Prof.P.Deepthi, AP/ECE <a href="mailto:deepthiparamasivam@gmail.com">deepthiparamasivam@gmail.com</a> Mob NO-9629871069

  
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S.NO	Subject name	Sub code	Topics covered	Video Link
1	Transmission lines and RF systems	EC3551	General theory of Transmission lines	<a href="#">4.3.3/Link 1.1</a>
			Loading and different methods of loading	<a href="#">4.3.3/Link 1.2</a>
			Reflection coefficient calculation of current	<a href="#">4.3.3/Link 1.3</a>
			Open and short circuited lines - reflection factor and reflection loss	<a href="#">4.3.3/Link 1.4</a>
2	Underwater Communication	CEC357	Fibre Optics communication: Working Principle	<a href="#">4.3.3/Link 2.1</a>
			Fibre bending, Connectors	<a href="#">4.3.3/Link 2.2</a>
			Underwater Application, design for Electro-Optical(E-O)	<a href="#">4.3.3/Link 2.3</a>
			Slip ring and its application, Fibre Optic Telemetry	<a href="#">4.3.3/Link 2.4</a>
3	4G/5G Communication Networks	CEC331	1G and 2G	<a href="#">4.3.3/Link 3.1</a>
			3G and 4G	<a href="#">4.3.3/Link 3.2</a>
			Need for 5G and vEPC	<a href="#">4.3.3/Link 3.3</a>
			5G	<a href="#">4.3.3/Link 3.4</a>
			Next Generation Core	<a href="#">4.3.3/Link 3.5</a>
4	Analog Communication	18EC404		<a href="#">4.3.3/Link 4</a>
5	Control Systems	18EC405		<a href="#">4.3.3/Link 5</a>

6	Signals and Systems	18EC303		<a href="#">4.3.3/Link 6</a>
7	Validation and Testing Technology	CEC361	Introduction to IC Technology	<a href="#">4.3.3/Link 7.1</a>
			IC Processing	<a href="#">4.3.3/Link 7.2</a>
			Fabrication Steps	<a href="#">4.3.3/Link 7.3</a>
8	Rocketry and Space Mechanics	CEC351		<a href="#">4.3.3/Link 8</a>

## 2. Interactive Pen Display

Interactive Pen Display available in the Institution: 10 Nos.  
 Cost of the item: Rs. 6,00,000

Online classes were implemented using this pen display. It combines graphics tablet and a display monitor. It allows teachers to write, draw, and interact with digital content in real-time, enhancing student engagement through visual aids and interactive demonstrations.

Teachers can annotate presentations, lecture slides, and other digital content in real-time, replicating the experience of a traditional whiteboard or blackboard.

The link for detailed information on Interactive Pen Display is given here.

<https://www.youtube.com/watch?v=93u9misvIDc>

  
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