



# Methodist College of Engineering & Technology

(Affiliated to Osmania University - College Code 1607)  
King Koti, Abids, Hyderabad-500 001 Phone : 24755999, 24753445  
[www.methodist.edu.in](http://www.methodist.edu.in)

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Innovative Teaching Methods for AY: 2018-19

S. No.	Faculty Name	Name of Subject/ Course Code	Topic	Teaching Methodology
1.	Ms.Y.Mastanamma	EDSC EE402	Electric braking	Power Point presentation
			Three phase induction motor control	Video lectures <a href="https://www.youtube.com/watch?v=a7hXiFP7voc">https://www.youtube.com/watch?v=a7hXiFP7voc</a> <a href="https://www.youtube.com/watch?v=yEPe7RDtkgo">https://www.youtube.com/watch?v=yEPe7RDtkgo</a>
			Applications of Electric drives-Fan	Real time example-Demonstration
		RES	Types of solar panels	Real time -Demonstration
2.	Mr.C.V.R Srii Lalit Narayana	SGP	Electric power system (Circuit breaker)	Video lectures <a href="https://www.youtube.com/watch?v=qZsTb-pBgyo&amp;list=PLhSD6dF-NJgQYa7-Mlq8dlhDw2JoOxpUf">https://www.youtube.com/watch?v=qZsTb-pBgyo&amp;list=PLhSD6dF-NJgQYa7-Mlq8dlhDw2JoOxpUf</a>
		EMD	Transformer industry visit	Power Point presentation
3	Dr.G.Raghu chandra	EM-II	Working of Three phase induction motor	Animation video illustration
		PE	Power semi conductor diodes and transistors	Power Point presentation
		MPMC	Introduction to programming	Power Point presentation
4	Mr.N.Nireekshan	EMF PC223EE	Electrostatic Fields	Animated videos <a href="https://www.youtube.com/watch?v=_JQhuueZMGk">https://www.youtube.com/watch?v=_JQhuueZMGk</a>
			Magnetic fields	Animated videos <a href="https://www.youtube.com/watch?v=sHJAV59NS6k">https://www.youtube.com/watch?v=sHJAV59NS6k</a>
			Self and mutual induction	Animated videos <a href="https://www.youtube.com/watch?v=h_aCAHThTQ">https://www.youtube.com/watch?v=h_aCAHThTQ</a>

Co-ordinator

HOD



## Methodist College of Engineering & Technology

Affiliated to Osmania University - College Code 1607)

King Koti, Abids, Hyderabad-500 001 Phone : 24755999, 24753445

[www.methodist.edu.in](http://www.methodist.edu.in)

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Innovative Teaching Methods for AY: 2019-20

S. No.	Faculty Name	Name of Subject/ Course Code	Topic	Teaching Methodology
1.	Ms. Y. Mastanamma	UEE PC801EE	Electric Traction Systems	Video lectures <a href="https://www.youtube.com/hashtag/electractionhindi">https://www.youtube.com/hashtag/electractionhindi</a>
				Google Class Rooms
			Dielectric Heating	Power Point presentation
			Types of Lamps	Charts
			Fluorescent lamp working	Real Time Model
2	Mr. C. V. R Srii Lalit Narayana	EMD	Conducting materials	Video lectures <a href="https://www.youtube.com/watch?v=TD-friDqrmc">https://www.youtube.com/watch?v=TD-friDqrmc</a>
			Magnetic Materials	Video lectures <a href="https://www.youtube.com/watch?v=kWF2OiecdmI">https://www.youtube.com/watch?v=kWF2OiecdmI</a>
			Insulating Materials	<a href="https://www.youtube.com/watch?v=E8g7_9RLPhY">https://www.youtube.com/watch?v=E8g7_9RLPhY</a>
			Electric machine design	Video lectures <a href="https://www.youtube.com/playlist?list=PLhmTA7QjgWH8ZwORaz1_9cBgnMst35k1">https://www.youtube.com/playlist?list=PLhmTA7QjgWH8ZwORaz1_9cBgnMst35k1</a>
		SGP	Arc quenching	Video lectures <a href="https://www.youtube.com/watch?v=0y">https://www.youtube.com/watch?v=0y</a>

				<a href="#">FfsqneceJE</a>
			Types of Circuit breakers	Video lectures <a href="https://www.youtube.com/watch?v=Nv_-8Ft7G98&amp;list=RDCMUCQRLfyJWyZcJ3c_Gk_TN8gg&amp;index=5">https://www.youtube.com/watch?v=Nv_-8Ft7G98&amp;list=RDCMUCQRLfyJWyZcJ3c_Gk_TN8gg&amp;index=5</a>
		EM-I	Introduction to electrical machines	Video lectures <a href="https://www.youtube.com/watch?v=ikqXDWrwf4c">https://www.youtube.com/watch?v=ikqXDWrwf4c</a>
			Principle of Dc generator	Video lectures <a href="https://www.youtube.com/watch?v=0gWJ8OqkpHM">https://www.youtube.com/watch?v=0gWJ8OqkpHM</a>
			3 point starters	Video lectures <a href="https://www.youtube.com/watch?v=Bh1YHHv_3Go">https://www.youtube.com/watch?v=Bh1YHHv_3Go</a>
3	Dr.G.Raghu chandra	MPMC PC602EE	Microprocessor 8086 programming	Dos Box Programming
			Microprocessor and Microcontroller	Google Class room
			Microprocessor 8086	Google forms for Quiz
			Micro controller Architecture	Power Point presentation
		SEM PE843EE	Stepper motors	Google Class room
			Specialized Electrical machines	Google forms for Quiz I&II
			Types of Stepper motor	Power Point presentation
			Linear induction motor and linear synchronous motor	Video Illustration
		EDSC PC702EE	AC voltage regulator	Power Point presentation
			synchronous motor	Video Illustration
				Role making
		PLC	<b>PLC Basics:</b> Definition and History of PLC, PLC advantages and disadvantages	Power Point presentation

4	Mr.J.Ramesh Babu	RET PC604EE	Non conventional energy sources	Faculty completed NPTEL Course and delivered the same course in next sem
5	Mr.P.Rajini Kanth	PQ PE834EE	Introduction to power Quality, Types of power quality phenomena	Power Point presentation
6	Mr.K.Pulla Reddy	LCS PC504EE	Open loop and Closed Loop System	Power Point presentation
		HVDC PC824EE	<ul style="list-style-type: none"> <li>• ARC BACK</li> <li>• ARC THROUGH</li> <li>• QUENCHING</li> <li>• MIS FIRE</li> <li>• COMMUTATION FAILURE</li> </ul>	Power Point presentation
7	Mr.N.Nireekshan	EMF PC223EE	Equipotential Lines	Animated Videos <a href="https://www.youtube.com/watch?v=KJSgRc9_zBs">https://www.youtube.com/watch?v=KJSgRc9_zBs</a>
9	Ms.A.Archana	DSPA PC505EE	IIR and FIR filters	Assignments
			Z-transforms, Basics of DSPA	Quiz's
		PE PC233EE	Simulation of Converters using MATLAB	Software based learning
			Construction of Thyristors	Learning by Charts
10	Mr.E.Saidulu	EDS PE602EE	Applications of capacitors in distribution system	NPTEL Videos <a href="https://www.youtube.com/watch?v=JjvKb1aJlh8">https://www.youtube.com/watch?v=JjvKb1aJlh8</a>
			Percent voltage drop calculations	Power Point presentation

Co-ordinator

HOD