



CRITERION 2 Teaching-Learning and Evaluation	2.3 Teaching Learning Process (50)
2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process	

Teachers use ICT enable tools including Online Resources for Effective Teaching and Learning

Name of the Faculty using ICT (LMS, e-Resources)	Innovative Teaching Method/Topic	E-resources and techniques used(link should be mentioned)
19UEC303- Circuit Theory-Mr.D.John Pragasam	Visualization-Transient Response of RL ,RC RLC Circuit	https://www.youtube.com/watch?v=KylJ2v1_c-o
	Visualization-Hybrid Parameters	https://www.youtube.com/watch?v=bRXQfZMzVJY
19UEC304-Basic Electrical and Instrumentation-Mrs.G.Ramupriya	Visualization-Working of Transformer	https://www.youtube.com/watch?v=vh_aCAHThTQ&t=8s
	Visualization-Working of Synchronous motors	https://www.youtube.com/watch?v=Vk2jDXxZIhs
	Visualization-Function of Suspension Galvanometer	https://www.youtube.com/watch?v=eZmkg97tCo&t=113s
	Visualization-Spectrum Analyzer-Working	https://www.youtube.com/watch?v=WnKK11UEvVE
	Visualization-Working of CRO	https://www.youtube.com/watch?v=Lanpw4Ry8xc
19UEC305- Analog circuits-Mrs.A.Shakin Banu	Visualization - Biasing schemes for FET amplifiers	https://www.youtube.com/watch?v=0mgWEAEZ_88
	Visualization- General shape of frequency response of amplifiers	https://www.youtube.com/watch?v=t6yGZgt173A
	Visualization-Operation of Class B amplifier	https://www.youtube.com/watch?v=WwWrA2b6Neg
	Visualization-voltage shunt, current shunt feedback amplifiers.	https://www.youtube.com/watch?v=Sg51aREQZ3Y



Name of the Faculty using ICT (LMS, e-Resources)	Innovative Teaching Method/Topic	E-resources and techniques used(link should be mentioned)
	Flipped Class room- Limit Cycle Oscillation	https://www.youtube.com/watch?v=DQLaxW0S60s
19UEC502- Microprocessors, Microcontrollers and Application- Mr.R.Abdul Sikkandhar	Visualization-Minimum and maximum mode configuration of 8086	https://www.youtube.com/watch?v=8VdXXLPHSAQ
	Visualization-Washing machine control in 8051	https://www.youtube.com/watch?v=YlLMlLqPV0U
	Visualization-Timer And Counter In 8051 Microcontroller	https://www.youtube.com/watch?v=WCjWIRdYNmI
	Visualization-Stepper motor using 8086 Emulator	https://emu8086.en.lo4d.com/windows
19UEC504- Antenna and Wave Propagation- Mrs.M.Pandimadevi	Animation-How does antenna works	https://www.youtube.com/watch?v=ZaXm6wau-jc&t=127s
	Visualization-Basic Antenna parameters	https://www.youtube.com/watch?v=Ku8RsbPd6ek
	Visualization-Yagi-Uda antenna	https://www.youtube.com/watch?v=JlXHAWqVhag
	Visualization-Microstrip patch antenna	https://www.youtube.com/watch?v=S09SzA0dqpI
19UEC902- Principles of Robotics- Mr.P.Selvaprasanth	Visualization-Robot classifications and specifications	https://youtu.be/fc_Cynqr6jM
	Visualization-Representation using the DenavitHattenberg parameters	https://youtu.be/DPO9Se6ZqN0
	Visualization-Cartesian space technique	https://youtu.be/KGBFtnpPKvo



Name of the Faculty using ICT (LMS, e-Resources)	Innovative Teaching Method/Topic	E-resources and techniques used(link should be mentioned)
15UEC916- Satellite Communication Principles and Applications- Dr.M.Sheik Dawood	Animation -Remote sensing Satellites	https://www.youtube.com/watch?v=Rv8na-zcqIA
	Visualization-Direct broadcasting satellites	https://www.youtube.com/watch?v=xlBK-nyobQw
15UME701- Project Management and Finance- Mr.B.Muthupandian	Visualization-Project Life cycle	https://www.youtube.com/watch?v=N3N9-RLSbvo
	Visualization-Project planning and Scheduling	https://www.youtube.com/watch?v=-TDh-5n90vk
	Visualization-Resource allocation method	https://www.youtube.com/watch?v=JlUXah6fsLI
	Visualization-Quality management at different stages of project	https://www.youtube.com/watch?v=qxbA7vt2u48
	Visualization-Financial Ratio Analysis	https://www.youtube.com/watch?v=MTq7HuvoGck
15UEC702- Optical Communication and Networks- Mr.R.Abdul Sikkandhar	Visualization-Total Internal Reflection	https://youtu.be/9MNsxX-xM
	Visualization-Scattering loss	https://youtu.be/ZcQsaF-sps8
	Visualization-Photo diode	https://www.youtube.com/watch?v=lxwcTbfWAEQ
	Visualization-Fiber attenuation measurement	https://www.youtube.com/watch?v=2m36QfSRF48
	Visualization-SONET	https://www.youtube.com/watch?v=RPDPoERlOOU
15UEC703- Microwave Engineering- Mr.A.ManojPrabaharan	Visualization-Magic Tee or E-HPlane Tee	https://www.youtube.com/watch?v=if30sXaKWkY
	Visualization-IMPATT Diode	https://www.youtube.com/watch?v=bYAogY_pOUM



Name of the Faculty using ICT (LMS, e-Resources)	Innovative Teaching Method/Topic	E-resources and techniques used(link should be mentioned)
19UEC602-VLSI Design- Mr.D.JohnPragasam	Visualization- CMOS technologies	https://www.youtube.com/watch?v=sNvSwxuo3hI
	Visualization - Power dissipation	https://www.youtube.com/watch?v=yn5KlSug8uw
	Visualization - Carry look ahead adder	https://www.youtube.com/watch?v=WItAXzrfPrE
	Visualization- The “Things” in IoT: Sensors, Actuators	https://www.electropages.com/blog/2019/07/how-sensors-can-enhance-iot-projects
	Visualization - Vulnerabilities of IoT	https://sectrio.com/top-10-iot-security-challenges-and-solutions/
19UEC919-Nano Electronics - Mrs.M.Pandimadevi	Visualization- one dimensional, two dimensional, three dimensional Nano structured materials	https://www.youtube.com/watch?v=04uac1SJkcc
	Visualization-Injection molding	https://www.youtube.com/watch?v=b1U9W4iNDiQ
	Visualization- Nano sensors for biomedical applications	https://www.youtube.com/watch?v=-Yt0DhCJ1ig
15UEC923-Advance wireless technologies- Mrs.T.Ruba	Visualization -4G Vision, 4G features	https://www.youtube.com/watch?v=OC_8fAYDgjs
	Visualization -MIMO	https://www.youtube.com/watch?v=hIl4ZQb-A70
19UEC621-Digital Signal	Visualization – Classification of Systems	https://www.youtube.com/watch?v=JVX-dMzqzZ4
19UEC425-Microprocessor and microcontrollers - Dr.M.FathuNisha	Visualization-8255 PPI	https://www.youtube.com/watch?v=pphUIgjqvJ8
19UEC206-Electronic devices Mr.P.Selvaprasanth	Visualization-Conductivity of Semi-conductors	https://www.youtube.com/watch?v=xsyyyR0jbkE
	Flipped Class Room-CE, CB and CC	https://www.youtube.com/watch?v=Qf7Ej18qlmU



Name of the Faculty using ICT (LMS, e-Resources)	Innovative Teaching Method/Topic	E-resources and techniques used(linkshould be mentioned)
19UEC205- Introduction to electronics and communication engineering- Mrs.N.Kaniamudham	Visualization- Auto transformer	https://www.youtube.com/watch?v=yE6EQ5R6sk0
	Flipped Class Room - Permanent magnet moving coil mechanism	https://www.youtube.com/watch?v=ZtBKC6WSjD0
	Visualization - Sweep Frequency generators	https://www.youtube.com/watch?v=1OuJZuYyJmQ
	Visualization - Cathode ray oscilloscopes	https://www.youtube.com/watch?v=X2lqQzi4b9w
	Visualization- Class B Power Amplifier	https://www.youtube.com/watch?v=WwwrA2b6Neg
	Visualization- Current Shunt Feedback Amplifier	https://www.youtube.com/watch?v=Sg51aREQZ3Y
	Visualization- RC Phase Shift Oscillator	https://www.youtube.com/watch?v=WmVCmFOWJZc
19UEC302- Digital Electronics and Design- Mrs.R.Devika	Visualization- Logic Gates, Boolean Logic	https://www.youtube.com/watch?v=SW2Bwc17_wA
	Visualization- Synthesis of Synchronous Sequential Circuits	https://www.youtube.com/watch?v=GFqsrfPji88
	Visualization- Flip Flops Work - The Learning Circuit	https://www.youtube.com/watch?v=Hi7rK0hZnfc
	Visualization- Random Access Memory	https://www.youtube.com/watch?v=PVad0c2cljo



Name of the Faculty using ICT (LMS, e-Resources)	Innovative Teaching Method/Topic	E-resources and techniques used(link should be mentioned)
19UEC303- Circuit Theory- Mr.B.Michael Vin onlineRinoj	Visualization- KCl & KVL Circuit Analysis	https://www.youtube.com/watch?v=2Zu3ppq3n8I&t=9s
	Visualization- Thevenin's Theorem	https://www.youtube.com/watch?v=8udwPc5pCoA
	Visualization- Series Resonance in RLC Circuit	https://www.youtube.com/watch?v=YLGrugmDvc0
	Visualization- Transient Analysis: First order R C and R L Circuits	https://www.youtube.com/watch?v=KylJ2v1_c-o
	Visualization- Two port parameters	https://www.youtube.com/watch?v=mS_kMzGhkQ8
19UEC304-Basic Electrical and Instrumentation- Ms.M.Pandimadevi	Visualization- How does a Transformer work ?	https://www.youtube.com/watch?v=vh_aCAHThTQ&t=8s
	Visualization- Working of Synchronous Motor	https://www.youtube.com/watch?v=Vk2jDXxZIhs
	Visualization- Galvanometer	https://www.youtube.com/watch?v=eZmkgs97tCo&t=113s
	Visualization- How to use a Spectrum Analyzer	https://www.youtube.com/watch?v=WnKK11UEvVE
	Visualization- How to use a CRO	https://www.youtube.com/watch?v=Lanpw4Ry8xc
19UGM331- Biology Engineers for	Visualization- Unicellular & Multicellular Organisms	https://www.youtube.com/watch?v=ntk6sVJnwVY
	Visualization- The Respiratory System	https://www.youtube.com/watch?v=ZB7uA5o0mS4
	Visualization- DNA Structure	https://www.youtube.com/watch?v=8XIZPVU5YBI
	Visualization- Brain & Spinal cord	https://www.youtube.com/watch?v=Nk8OXrUbafs
	Visualization- Biomass Energy Basics	https://www.nrel.gov/research/re-biomass.html



Name of the Faculty using ICT (LMS, e-Resources)	Innovative Teaching Method/Topic	E-resources and techniques used(link should be mentioned)
15UEC502-Transmission Lines and Waveguides-Dr.N.R.Indira	Visualization- Constant k filter & Characteristics	https://www.youtube.com/watch?v=kk24ZmTRDwQ
	Visualization- transmission lines	https://www.youtube.com/watch?v=-2WhuxePDkw
	Visualization- VSWR, Reflection Coefficient and Input Impedance Calculation	https://www.youtube.com/watch?v=FeDm4iFXcX0
	Visualization-Rectangular Waveguide TM Mode Analysis	https://www.youtube.com/watch?v=QQXc3YuH-Lk
15UEC504-Data Communication and Networks-Dr.R.Tamilselvi	Visualization- IEEE 802 11 Network Architecture	https://www.youtube.com/watch?v=inciMfOnGdk
	Visualization- Routing Table Updation using Distance Vector Routing Protocol	https://www.youtube.com/watch?v=q72LA1pXoiU
	Visualization- TCP vs. UDP	https://www.youtube.com/watch?v=SLY4Ud53UGs
15UEC904-Linear Control Engineering, Mr.B.Muthupandian	Visualization- Introduction to Block Diagrams	https://www.youtube.com/watch?v=IqxJpaKuQGo
	Visualization- Lead Lag Compensators	https://www.youtube.com/watch?v=xLhvil5sDcU
	Visualization- Bode Plot in MATLAB for Control System and Control Engineering	https://www.youtube.com/watch?v=FBS5AHsNMik
	Visualization- Root Locus plot	https://www.youtube.com/watch?v=XYbrgwKP_6k
	Visualization- Controllability and Observability	https://www.youtube.com/watch?v=frok35NWKfQ



Name of the Faculty using ICT (LMS, e-Resources)	Innovative Teaching Method/Topic	E-resources and techniques used(link should be mentioned)
15UEC922- Medical Electronics- Ms.M.FathuNisha	Visualization- Electrocardiography	https://www.youtube.com/watch?v=xIZQRjkwV9Q
	Visualization- Introduction to Biotelemetry	https://www.youtube.com/watch?v=uUjZKZNO6xQ
	Visualization	https://www.youtube.com/watch?v=V80FMbn15qo
	Visualization- Introduction to Thermography	https://www.youtube.com/watch?v=OSRDz-qU4v4
	Visualization- Positron Emission Tomography	https://www.youtube.com/watch?v=SOE_fIPeocE
15UEC915- Internet of Things- Mr.Ramesh Kumar	Visualization-Internet of Things (IoT) Architecture	https://www.youtube.com/watch?v=FRxRT0DjE7A&t=330s
	Visualization- IoT Devices Examples For Beginners	https://www.youtube.com/watch?v=gGNz-SduPnM&t=57s
	Visualization- Radio Frequency Identification Technology in IoT	https://www.youtube.com/watch?v=mEA78fetU6k&t=4s
	Visualization- Top IoT Projects 2021	https://www.youtube.com/watch?v=N_z4OaSuoAA&t=189s
15UEC916- Satellite Communication Principles and Applications- Dr.M.SheikDawo od	Visualization-Space Flight: The Application of Orbital Mechanics	https://www.youtube.com/watch?v=Am7EwmxBW8
	Visualization-Direct Broadcast Satellite	https://www.youtube.com/watch?v=2D-WjayEL60