



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Seminar details as per NBA

5ECE1 Seminar(2025-26) Report

S. No	Roll No.	Seminar Title	SDGs addressed	Name of the Supervisor
Batch 1	B23EC023	Artificial Intelligence in Power Systems And Embedded Systems	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri P.Ramchander Rao
	B23EC050	Smart Wearable Systems for Health Monitoring	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B24EC199L	Blockchain Based IoT Networks	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 2	B23EC029	Camera-Based Occupancy-Aware Automation with Face Detection for Smart Seminar Halls	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.K.Sowjanya
	B23EC022	Artificial Intelligence in Cancer Diagnosis: Opportunities Clinical Challenges	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC001	Software Defined Networking (SDN)	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 3	B24EC196L	6G Technologies- The Future of Wireless Communication	13-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.Umamaheshwar Soma
	B23EC016	Block Chain in Communication System	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	

	B23EC015	Bio-Printing of Human Organ	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 4	B24EC198L	Face-Swapping Methods For Identity Manipulation In Deepfake Applications	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.G.Raghotham Reddy
	B23EC052	Unpaired Image-To-Image Translation Using Cycle-Consistent Adversarial Networks	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B24EC194L	Fast Face Swap Using CNN	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 5	B23EC024	Real-Time Object Detection In Low Light Environments Using Yolov8: A Case Study With A Custom Dataset	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri V. Shobhan Reddy
	B23EC002	A New Contrast Enhancement Method For Colour Dark And Low Light Images	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC019	Object And Pedestrian Detection On Road In Foggy Weather Conditions By Hyperparameterized Yolov8 Model	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 6	B24EC197L	Traffic Sign Recognition And Classification Using Deep Neural Networks	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.B.Rama Devi
	B23EC048	Future Wireless Networks	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC004	6G IOT Networks Resource Optimization Strategies And Future Directions	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC061	Systems That Operate Using Airborne Transmission Technologies.	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 7	B23EC005	Image Processing Enhanced Retinal Imaging With Deep Learning For Early Detection Of Neurodegenerative Diseases	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr. A. Srinivas

	B23EC007	Enhanced Retinal Image Analysis For Diabetic Retinopathy	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC043	Advances In Disease Detection Through Retinal Imaging	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC060	Detection Of Retinal Disease Using Image Processing	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 8	B23EC038	Currency Recognition And Counterfeiting Using Edge Detection	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.R.Srikanth
	B23EC027	The Role Of Image Enhancement In Satellite And Remote Sensing	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC039	Security And Surveillance	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC031	Advanced Techniques For Noise Reduction In Digital Image Processing	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 9	B23EC044	Carry Tree Adders On Fpga's Design And Its Implementation	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri E. Jawali
	B23EC008	High-Speed XOR-XNOR Hybrid Full Adder Design For Low-Power VLSI Applications	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC014	Comparison of Design and Estimated Delay Power and Area for Parallel Prefix Adder	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC064	An Energy Efficient Multiplayer Using Reversible Gates	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 10	B24EC193L	Improving Speech Clarity With Deep Learning Noise Reduction	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri S. Pradeep Kumar
	B23EC032	Advancing Speech Enhancement Through Multimodal Audio-Visual Fusion With Deep Learning	9-Industry, Innovation & Infrastructure 4-Quality Education	

	B23EC054	Deep Learning-Based Speech Enhancement For Robust Sound Classification In Security Systems	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC033	An Optimized Deep Learning Approach To Real-Time Speech Enhancement	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 11	B23EC013	Improving The Contrast Of Aerial Images Using A New Mutli-Concept Algorithm	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. S.P. Girija
	B23EC051	Adaptive Building Edge Detection By Combining Lidar Data And Aerial Images	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC009	Small-Format Aerial Photography For Highway Bridge Monitoring	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC053	Image Enhancement Using Exposure-Based Sub-Image Histogram Equalization	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 12	B23EC046	Iot Based Antenna Positioning System	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.V.Venkateshwar Reddy
	B23EC011	A Review On The Design & Applications Of Antenna Using Machine Learning Algorithms & Techniques	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC018	Microwave Imaging For Early Breast Cancer Detection:	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC036	Current State,Challenges,And Future Directions	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 13	B23EC049	Low Power Meets Intelligence - Exploring Neuromorphic Vlsi Design	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.V.Raju
	B23EC034	Iot Edge Devices And Ultra Low Power Vlsi	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC040	DESIGN AND SIMULATION OF 6T SRAM CELL USING Finfet TECHNOLOGY	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC059	An Efficient VLSI Architecture For Removal Of Impulse Noise In Images	9-Industry, Innovation & Infrastructure 4-Quality Education	

Batch 14	B23EC037	Duty Cycle Correction Circuit	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri P.Chiranjeevi
	B23EC041	Harmonic Rejection Mixer	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC010	Design Of Broadband	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC020	The Clapp Oscillator	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 15	B23EC017	Analysis Of Power Gating Circuits Based Low Power Vlsi Circuits (Bcd Adder)	9-Industry, Innovation & Infrastructure 4-Quality Educations	Sri A.Pavan
	B23EC003	Design Of Low Voltage,High Speed Cmos Op-Amp	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC025	Power Efficiency In Modern Cmos Technology Nodes	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC063	Glitch Power Reduction Techniques For Dynamic Power Optimization In Vlsi Circuit	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 16	B23EC026	Photoplethysmography- Based Heart Rate Monitoring In Physical Activities Via Joint Sparse Spectrum Reconstruction	9-Industry, Innovation & Infrastructure 4-Quality Educations	Dr.K.Ashoka Reddy
	B23EC056	Advances In Photoplethysmography (PPG) Signal Analysis For Heart Rate Variability	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC062	Photoplethysmography (Ppg): A Low-Cost Tool For Cardiovascular Monitoring	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC057	Smart Motion Noise Removal In Ppg Signal Without Extra Sensors	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 17	B24EC195L	Iot Based Automatic Pothole Detection And Repairing Robot	9-Industry, Innovation & Infrastructure 4-Quality Educations	Mr Syed Zaheeruddin
	B23EC030	Explainable AI In Next-Generation Iot Systems: Building Trust In Smart Technology	9-Industry, Innovation & Infrastructure 4-Quality Education	

	B23EC045	Revolutionizing Healthcare Through The Internet Of Things	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC028	Smart Agriculture On Crop Cultivation	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 18	B23EC058	Unbox The Black-Box For The Medical Explainable AI Via Multi-Modal And Multi-Centre Data Fusion: A Mini-Review, Two Showcases And Beyond	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. B. Dhanalaxmi
	B23EC012	Explainable Generative AI (Genai): A Survey, Conceptualization, And Research Agenda	9-Industry, Innovation & Infrastructure 4-Quality Educations	
	B23EC021	Artificial Intelligence For Medical Image Interpretation	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC047	The Utility of Explainable AI for MRI Analysis: Relating Model Predictions to Neuroimaging Features of Ageing	9-Industry, Innovation & Infrastructure 4-Quality Education	

5ECE2 Seminar(2025-26) Report

Batch .No.	Roll No.	Seminar Titles	SDGs addressed	Name Of Supervisor
1.	B23EC093	Iot Traffic Signal Monitoring & Controller System	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.G. Raghotham Reddy
	B23EC067	Digital Image Processing	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC068	Orb - A Fast And Simple Alternative To Sift And Surf For Feature Matching	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B24EC205L	Image Processing For Feature Detection And Extraction	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
2.	B23EC069	Low-Power Two-Stage Cmos Op-Amp With Advanced Compensation	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr . Ch. Pavan Kumar
	B23EC126	Human Following Robot Using Arduino	12-Responsible Consumption & Production 9-Industry, Innovation &	

			Infrastructure	
	B24EC204L	Comparative Design Of Cmos Amplifier With Node Specific Compensations	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
3.	B23EC070	Machine Learning-Based Power Estimation In Vlsi Circuits	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.J.Tarun Kumar
	B23EC122	Voice-Controlled Home Automation Using Tinyml	9-Industry, Innovation & Infrastructure 4-Quality Education	
4.	B23EC075	Glucobreath:An Iot,ML,And Breath-Based Non-Invasive Glucose Meter	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Smt. E. Susmitha
	B23EC079	Performance Analysis And Relay Algorithm Design In Social-Aware Device-To-Device (D2D) Cooperated Communications	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC071	Automatic Water Tap System	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC072	Research On Wireless D2D Communication Technology Based On Android	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
5.	B23EC073	Dual-Enhancing Dense-Unet For Low-Light Image Enhancement And Denoise"	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	E Suresh
	B23EC087	Smart Medicine Expiry Detection System	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC091	Crop Disease Detection Using Hyperspectral Imaging	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC121	Processing And Machine Learning For Automated Fruit Grading System	9-Industry, Innovation & Infrastructure 4-Quality Education	
6.	B23EC074	Energy Efficiency Vlsi Circuits For Machine Learning On Chip	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. V. Raju Reddy
	B23EC111	Low Power Optimization For Iot Devices For Next Generation	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B24EC206L	System On Chip Design Of A Linear System Solver	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC124	Vlsi Architectures For AI Accelerators	12-Responsible Consumption & Production 9-Industry,	

			Innovation & Infrastructure	
7.	B23EC076	Iot Based Pulse Oximeter System	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.K.Ashok a Reddy
	B23EC104	Enhanced Pulse Oximeter With Temperature Feature For Affordable Healthcare	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC109	Smart Watches With Built In Oximeter	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC114	Compact Pulse Oximeter Designed For Blood Oxygen Saturation And Heart Rate Monitoring	9-Industry, Innovation & Infrastructure 4-Quality Education	
8.	B23EC077	Orthogonal And Non Orthogonal Multiple Access For Intelligent Reflecting Surfaces In 6G Systems	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.M.Raju
	B23EC117	Visible Light Communication (Vlc) Systems	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC092	Multiple Access For Irs In 6G Systems	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC097	System Design For Irs-Enhanced 6G Wireless Networks	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
9.	B23EC103	Optimal Clustering In Underwater Wireless Sensor Networks: Acoustic, Em And Fso Communication Compliant Technique	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.B.Rama Devi
	B23EC081	Intelligent Navigation For A Solar Powered Unmanned Underwater Vehicle	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC078	Intelligent Drone Swarm Computing With Ris And Federated Learning	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC099	Li-Fi	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
10.	B23EC094	Digital Infrastructure Pivots On Silicon Photonics: An Aspect From The Past, Present, And Future Of Optical Communications.	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Sri. B. Komuraiah

	B23EC084	Evolution From 4G To 5G And Beyond	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC080	Internet Of Things (Lot) Communication Protocols	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
11.	B23EC100	Smart Helmet For Coal Miners	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.A.Srinivas
	B23EC112	The Clap Based Light Switching System	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC119	Air Purification And Monitoring Machine	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC082	Image Processing-Based Crop Disease Detection Using Cnn	9-Industry, Innovation & Infrastructure 4-Quality Education	
12.	B23EC095	Enhancement Of Medical Images Using Histogram Based Hybrid Technique	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr S.P Girija
	B23EC125	A Low-Complexity Algorithm For Contrast Enhancement Of Digital Images	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC085	A Histogram Modification Framework And Its Application For Image Contrast Enhancement	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC118	Smart Water Monitoring System	9-Industry, Innovation & Infrastructure 4-Quality Education	
13.	B23EC086	A Comprehensive Review Of Predictive Analytics Models For Mentalillness Using Machinelearning Algorithms	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.D.Venu
	B23EC107	A Longitudinal Mixed Effects Model For Assessing Mortality During Vaccine Roll Out	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC105	Multitask Learning And Benchmarking With Clinical Time Series Data	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC088	A Comparative Study Of Machine Learning Algorithms With Lasso And Shap Feature Selection For Breast Cancer Prediction	9-Industry, Innovation & Infrastructure 4-Quality Education	
14.	B23EC120	Multi-Level Single-Channel Speech Enhancement Using A Unified Framework For	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri.S.Pradeep Kumar

		Estimating Magnitude And Phase Spectra		
	B24EC202L	A Composite Predictive-Generative Approach To Monaural Universal Speech Enhancement.	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC089	Dual-Dimensional Attention For Improved Neural Speech Enhancement	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC098	Smart Irrigation System Using Iot	9-Industry, Innovation & Infrastructure 4-Quality Education	
15.	B23EC090	Research On Arma Modelling For Sleep Disorders Diagnose	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.J.Shesha giri Babu
	B23EC106	A New Approach For Diagnosis Epilepsy By Using Wavelet Transform And Neural Networks	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B24EC203L	Classification Of Electroencephalograph Signals Using Wavelet Transforms And Neural Networks	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B24EC200L	Automated Brain Tumor Detection And Segmentation	9-Industry, Innovation & Infrastructure 4-Quality Education	
16.	B24EC201L	Fractional Npll For Wireless Communication	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.Md.Abd ul Muqueem
	B23EC116	Advance Application Of The Face Recognition Using Matlab	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC108	Hands Free Smart Shopping Trolley With Human Following Technology	9-Industry, Innovation & Infrastructure 4-Quality Education	
17.	B23EC127	Human - Computer Interaction In Audio Systems: An Iot Based Gesture Control Approach	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.Ch. Sridevi
	B23EC110	Smart Iot Enabled Monitoring	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B23EC113	Some Aspects Of Ai Development Strategies For Mobile Technologies	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
18.	B23EC115	6G Wireless Communication And System	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.S.Umam aheshwar

	B23EC123	Vehicle To Vehicle Communication (V2X)	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC065	Jamming Attacks And Anti-Jamming Strategies In Wireless Networks	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	

5ECE3 SEMINAR BATCHES 2025-26

Batch No.	Roll No	Title of the Seminar	SDGs Addressed	Name of the Supervisor
1	B24EC208L	Visible light Communication for the Internet of Things Using Open VLC	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	D.Santosh Kumar
	B23EC179	A Princi[led design for Passive Light Communicatio	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B23EC140	Synthetic Light Emission for Fast Transmission In Cots Device-Enabled VLC	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B22EC134	Low power of 6T SRAM Design using 45nm Technolog	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
2	B23EC139	Low Power 10T SRAM Based In-Memory Computing(IMC)Macro Architecture	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	A.Pavan
	B23EC147	Performance Comparison of Different ECC Im[plementation Schemes	9. Industry Innovation and Infrastructure 12-Responsible Consumption &	

			Production 9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B23EC158	SRAM-Based In-Memory Computing for Energy-Efficient AI Systems	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B22EC132	8T SRAM array with configurable wordlines for IMC operations	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
3	B23EC145	Front-End Signal Boosting Using LNA	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	P.Chiranjeevi
	B24EC211L	Mixers in RF Communication	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC156	Analog Mutipliers and thier applications in RF/IF Circuits	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B24EC209L	2.4GHz CMOS LC Oscillator Design	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
4	B24EC212L	Machine Learning Framework for early Power,Performance and Area Estimation of RTL	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	Dr.T.SunilKu mar
	B23EC152	Design and Implementation of An 8-Bit ALU based on Verilog HDL	12-Responsible Consumption & Productionth	

			9. Industry Innovation and Infrastructure	
	B23EC161	VLSI Implementation of Smart Health Care System	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B23EC183	Efficient Low-Power CMOS VLSI Design: Leveraging Federated Learning for Adiabatic Switching	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
5	B23EC151	Design of a Circularly polarised RFID Reader Antenna for IOT Applications	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr.M.Chandrasekar
	B23EC182	Design of Dual-Band Patch Antenna for 5G applications	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B23EC176	Design of a Stacked Antenna for IOT Applications	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B22EC175	Design of A sSingle ARM 3-D Bowtie Antenna	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
6	B23EC138	Detection of Autism Spectrum Disorder Using MRI Data	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	P.Yugander

	B23EC163	Autism Spectrum Disorder Classification On Electroencephalogram Signal Using deep Learning Algorithm	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC136	Autism Spectrum Disorder Face Recognition using Deep Learning	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B21EC137	Autism spectrum disorder using ADOS - ADI-R	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
7	B24EC207L	Design and Analysis of Microstrip Antenna with AI Integration	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	Smt.A.Vijaya
	B23EC135	Comparative Study on Different Feeding Techniques of Rectangular Patch Antenna	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B23EC165	Review of Multifunctional Antenna Design for Internet of Things	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B21EC130	Modern RFID Reader Antennas	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
8	B23EC132	A Mixed Integer Linear Programming Model For Quarantine based Home	9. Industry Innovationand Infrastructure	Dr.D.Venu

		Healthcare Scheduling Under Uncertainty	12-Responsible Consumption & Production	
	B23EC171	Predictive Interpretable Analytics Models For Forecasting Healthcare Costs Using Open Healthcare da	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC134	Control Model for Monkey Pox Transmission	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC162	A Comprehensive Review Of Predictive Analytics Models for Mental Illness using Machine Learning Algorithms	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
9	B23EC146	Decentralized Optimization for Multicast Adaptive Video Streaming in Edge Cache-Assisted Networks	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	Dr.M.Raju
	B23EC187	A Combined Field-of-View Prediction-Assisted Viewport Adaptive Delivery Scheme for 360 degree Videos	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B23EC166	A Combined Analysis of Viewing Prediction Techniques for 360 degree Video Streaming Applications	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B23EC154	A Q-Learning Driven Energy-Aware Multipath Transmission Solution for 5G Media services	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	

10	B24EC210L	Li-Fi Enabled High Speed Wireless Communication Using visible Light	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	B.Komuraiah
	B23EC144	Li Fi An Emerging Wireless Communication Technology	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B23EC133	Design and Implementation of Hybrid LiFi-5G Architecture Using Network slicing	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B23EC188	Lifi Technology Within 6G Networks	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
11	B23EC131	AI/ML Algorithms and Applications in VLSI Design and Technology	12-Responsible Consumption & Production 9-Industry Innovation and Infrastructure	Dr.J.Tarun Kumar
	B23EC150	Applications of AI in VLSI Circuit Simulation	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B23EC185	Embedding Machine Learning in Sensors: Enhancing IoT applications with On-Device Processing	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B22EC172	AI and Machine Learning Techniques for Advanced VLSI Design Automation	9. Industry Innovation and	

			Infrastructure 12-Responsible Consumption & Production	
12	B23EC148	Machine Learning in Sensors:Computation-enabled Intelligent Sensors for Next Generation of IOT	9.Industry Innovation and Infrastructure 12-Responsible Consumption & Production	E.Suresh
	B23EC190	Youtube Comment Spam Detection Using Machine Learning	9.Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B23EC175	A Survey and Privacy Issues in Edge Computing-Assisted Internet of Things	9.Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B23EC129	Edge Computing for the Internet of Things	9.Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
13	B23EC141	Image Segmentation Using Deep Learning:A Survey	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	Syed Zaheruddin
	B23EC186	Deep Guidance Network For Biomedical Image Segmentation	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B23EC184	Recent Progress in Semantic Image Segmentation	12-Responsible Consumption & Productionth 9. Industry Innovationand	

			Infrastructure 12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B23EC170	Unsupervised Universal Image Segmentation		
14	B23EC177	An Overview Of Industrial Image Segmentation Using Deep Learning Models	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	Dr.R.Srikanth
	B23EC167	Efficient Image Denoising Using Deep Learning	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B23EC189	A Comprehensive Review Of Image Restoration Research Based On Diffosion Models	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC181	Enhancement of Underwater Images With Artificial Intelligence	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
15	B23EC169	U-Slot Loaded Half-Circled Microstrip Patch Antenna Analysis using XGBOOST Machine Learning Algorithm	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Dr.V.Venkates hwar Reddy
	B23EC137	Sparse-Recovery based Channel Estimation for High-Velocity Multicarrier Communication	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC168	Predicting Rectangular Patch Microstrip Antenna Dimension	9. Industry Innovationand	

		using Machine Learning	Infrastructure 12-Responsible Consumption & Production	
	B23EC130	Review On Filtering Antenna Technology For 5G Mobile System	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
16	B23EC142	A Biodegradable Textile-Based Graphene Antenna for Sustainable Wireless Communication	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Smt.A.Vijaya
	B23EC160	Wearable Antennas	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC172	The MIMO Antennas For Smart 5G Devices	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC178	4G/5G Multiple Antennas for Future Multimode Smartphone Applications	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
17	B23EC153	Approaches To F.I.R System Identification with Noisy Data using Higher-Order Statistics	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Dr.J.Sheshagiri Babu
	B23EC155	CSBrain:A Cross-Scale Spatiotemporal Brain Foundation Model for EEG Decoding	9. Industry Innovationand Infrastructure 12-Responsible Consumption &	

			Production	
	B23EC164	Cramer-rao-Induced Bound For Blind Separation of Stationary Parametric Guassian Sources	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC191	Fast Kernal-Based Independent Component Analysis:	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	

5ECE1 Seminar(2024-25) Report

Batch No	Roll Number	Title of the Seminar	SDGs addressed	Name of the Supervisor
Batch 1	B22EC004	Lector: A Technique for Leakage Reduction in CMOS Circuits	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Sri. Ch.Pavan Kumar
	B23EC195 L	A Systematic Design Methodology For Low Power Network On Chip	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B22EC055	Advanced Techniques For Minimizing Leakage Power In Cmos Vlsi Circuits	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 2	B22EC007	Smart Healthcare in The Age Of Ai: Recent Advances, Challenges And Future Scope	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. J.Tarun kumar
	B22EC058	5g Based Smart Healthcare: Architecture,Taxonomy,Challenges And Future Research Directions	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC198 L	Wearable-Iot-Devices Innovations And Applications	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 3	B22EC045	A Comprehensive Review of	9-Industry, Innovation & Infrastructure	Syed Zaheeruddi

		Image Segmentation Techniques	4-Quality Education	n
	B22EC015	A Dive into Dark Web: Structure And Accessibility By Using Tor And Other Anonymizing Tools.	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC025	Artificial Intelligence in Agriculture Sector	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 4	B22EC002	VCO Designing Using High Quality Factor in Chip 3D Structured Inductors.	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri.P. Chiranjeevi
	B22EC052	Clc On Chip Band Pass Filter For Sub Thz Applications	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC028	Design of a 60GHz Low Noise Amplifier Featuring Low-Loss On-Chip Inductors	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 5	B22EC044	Introduction To IoT And Its Applications	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.Ch.Sride vi Reddy
	B22EC012	Penetration of Internet of Things In to Robotics	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC010	Internet Of Video Things: Next-Generation IoT With Visual Sensors	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 6	B22EC020	Analysing the Techniques and Technologies Aimed At Reducing The Energy Consumption Of Computer Networks-Green Communication Systems	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. Abdul Muqueem
	B22EC042	Snowfort: An Open Source Wireless Sensor Network for Data Analytics In Infrastructure And Environmental Monitoring	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC001	Smart Urban Solutions Leveraging IoT For Sustainable City Development	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC040	Wireless Sensor Network Application for IoT Based Healthcare System	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 7	B22EC016	Analysis on The Applications Of Ai In Vehicles And The Expectation For Future	9-Industry, Innovation & Infrastructure 4-Quality Educations	Dr. B. Ramadevi

	B22EC018	Internet of Things in Agriculture	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC038	Artificial Intelligence In Cybersecurity	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC061	Empowering Health Surveillance: A Machine Learning Based Risk Alert System	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 8	B22EC063	Chip Power Scaling In Recent Cmos Technology Nodes	9-Industry, Innovation & Infrastructure 4-Quality Educations	Dr. V.Raju
	B22EC008	A High Speed Bcd Adder Using Single 4-Bit Binary Adder And Detector Circuit	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC039	Low Power Design Techniques And Implementation Strategies Adopted In VLSI Circuits	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC060	VLSI On Artificial Intelligence And Machine Learning	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 9	B22EC009	Circuit Analysis of Ge CMOS and Comparison with Si CMOS	9-Industry, Innovation & Infrastructure 4-Quality Educations	Sri. A.Pavan
	B23EC199 L	Enhancing Analog Memory With Liqaf Circuit Using Single Supply Voltage Its	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC003	A Clockless, Multi-Stable, CMOS Analog Circuit	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC053	Performance Potential Of Ge Cmos Technology	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 10	B22EC029	Contrast Limited Adaptive Histogram Equalization	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.R.Srikant h
	B23EC197 L	Adaptive Tri Histogram Equalization	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC011	Multi Level Tri-Histogram Equalization	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC030	Image Enhancement Using Brightness Presentation Tri Histogram Equalization	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch	B22EC023	Improving Speech Signal Enhancement Using Causal	9-Industry, Innovation & Infrastructure	Sri. S. Pradeep

11		Generative Diffusion Model	4-Quality Education	Kumar
	B22EC057	Optimizing Speech Enhancement Through Dual Microphone Array With A Background Elimination Algorithm	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC034	Single Channel Speech Enhancement Algorithm Based on ME-MGCRN Signal to Noise Ratio	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC019	Speech Denoising Using Encoder & Decoder Architecture with Skip Connections	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 12	B22EC013	Design of A Circular Microstrip Patch Antenna For 5G Applications	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.M.Chandra Sekhar
	B22EC035	Design of A Square Microstrip Patch Antenna For Iot Applications	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC021	Design of Triangular Microstrip Antenna For 5G Applications	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC017	Rectangular Patch Antenna	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 13	B22EC040	Characteristics Mode Analysis of Circular Microstrip Patch Antenna And It's Application To Pattern Diversity Design	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri.B.Komur aiah
	B22EC024	A Modified Meander Line Microstrip Patch Antenna With Enhanced Bandwidth For 2.4 GHz Ism-Band Internet of Things (IoT) Applications	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC046	6G Internet of Things: A Comprehensive Survey	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC064	Chip Power Scaling In Recent Cmos Technology Nodes	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 14	B23EC193 L	Industrial Monitoring Using Iot,Image Processing And Analysing The Sensor Values Using Big Data	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.M.Raju
	B22EC037	Internet of Things : Insights Into The Building Blocks, Component Interactions And Architecture	9-Industry, Innovation & Infrastructure 4-Quality Education	

		Layers		
	B23EC196L	A Security Transmission And Storage Solution About Sensing Image For Blockchain In The Iot	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC043	Design of Deep Learning Algorithm For IoT Applications By Image Based Recognition	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 15	B22EC026	Detection and Classification Of Fruit Diseases Using Image Processing & Cloud Computing	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri.V.Shobhan Reddy
	B22EC049	Research On Fire Detection And Image Information Processing System Based On Image Processing	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC056	Image Segmentation Technology And Its Applications Using Digital Image Processing	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 16	B22EC048	The Detection Of Phishing Websites With Machine Learning Methods	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	Dr.S. Umamaheshwar
	B22EC059	5G Security: Analysis of Threats And Solutions	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	
	B22EC054	Online Social Networks Misleading Information And It's Effect On Communication Systems	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	
	B22EC051	Security And Privacy In The Internet Of Things: Current Status And Open Issues	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	
Batch 17	B22EC062	Underwater Image Enhancement With Reinforcement Learning	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. K. Ramudu
	B22EC014	Brain Image Segmentation for Ultra-Scale Neuron Reconstruction Via An Adaptive Dual-Task Learning Network	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC041	Image Segmentation For Mr Braintumor Detection Using	9-Industry, Innovation & Infrastructure	

		Machine Learning	4-Quality Education	
	B22EC047	Semi-Supervised Medical Image Segmentation Using Adversarial Consistency Learning and Dynamic Convolution Network	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 18	B23EC194 L	Human Identification From Freestyle Walks Using Posture-Based Gait Features	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. S. P.Girija
	B22EC033	Biometric Recognition and Information Retrieval Using Eye Detection	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC022	Building Block Detection Using Neural Network	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC027	Automatic Recognition of Fake Indian Currency Note	9-Industry, Innovation & Infrastructure 4-Quality Education	

5ECE2 Seminar(2024-25) Report

Batch No	Roll no.	Title of the seminar	SDG's addressed	Name of the Supervisor
1.	B22EC065	Analytic design of on-chip spiral inductor with variable line width	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. T.Sunil Kumar
	B22EC111	Design and manufacturing of a integrated inductor	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC107	A novel mems fractal inductor based on hilbert curve	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC117	A comprehensive review of fractal inductors	9-Industry, Innovation & Infrastructure 4-Quality Education	
2.	B22EC066	Removal of ocular artifacts in eeg using deep learning	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri P Yugander
	B22EC120	Brain tumor detection using deep learning	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC091	Deep learning for sleep disorders	9-Industry, Innovation & Infrastructure 4-Quality Education	
3.	B22EC067	A survey paper on architecture on internet of things	9-Industry, Innovation & Infrastructure 4-Quality Educations	Sri D Santhosh Kumar
	B22EC099	Security and privacy challenges in	9-Industry, Innovation	

		the internet of things	& Infrastructure 4-Quality Education	
	B22EC105	A survey paper on spectral efficiency improvement with filtered ofdm for iot application in 5g	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC106	Spectral efficiency improvement with filtered ofdm for iot applications in 5g	9-Industry, Innovation & Infrastructure 4-Quality Education	
4.	B22EC068	Sales prediction based on machine learning	9-Industry, Innovation & Infrastructure 12--Responsible Consumption & Production	Dr D.Venu
	B22EC076	Prediction in banking industry using machine learning	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	
	B22EC079	Forecasting future sales using machine learning technique - xgboost	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	
	B22EC116	A survey of machine learning techniques for food sales prediction	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	
5.	B22EC070	A benchmark study of machine learning for analysis of signal feature extraction techniques for blood pressure estimation using photoplethysmography (ppg)	9-Industry, Innovation & Infrastructure 4-Quality Education	Prof. K. Ashoka Reddy
	B22EC080	Cuffless blood pressure estimation based on ppg signal and it's second derivative	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC082	A novel personalized motion and noise artifact detection method for smartphone photoplethysmograph signals	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC086	Cuff-less blood pressure estimation algorithms for continuous health-care monitoring	9-Industry, Innovation & Infrastructure 4-Quality Education	
6.	B22EC114	Blood pressure estimation using photo plethysmogram signal and it's morphological features	9-Industry, Innovation & Infrastructure 4-Quality Education	Prof. K. Ashoka Reddy

	B22EC122	Machine learning method for continuous noninvasive blood pressure detection based on random forest	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC126	A continuous cuffless blood pressure measurement from optimal ppg characteristic features using machine learning algorithms	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC205L	A review of deep learning methods for photoplethysmography data	9-Industry, Innovation & Infrastructure 4-Quality Education	
7.	B22EC071	Applications of ai in image processing	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri E. Suresh
	B22EC078	Advance in artificial intelligence for image processing, application techniques and future tends	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC087	A review of recent advances in image co-segmentation techniques	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC115	Image processing what ,how and future	9-Industry, Innovation & Infrastructure 4-Quality Education	
8.	B22EC072	Deep learning-based image recognition for autonomous driving	13-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	J.Sheshagiri babu
	B22EC098	Brain tumor detection using statistical and machine learning methods	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B22EC104	Feature extraction and image recognition with convolutional neural networks	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B22EC110	Blockchain of iot based healthcare	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
9.	B22EC073	Efficient finfet device model implementation for spice simulation	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Sri A.Pavan
	B22EC081	Comparative study of novel u shaped soi finfet against multiple fin	12-Responsible Consumption &	

		bulk/soi finfet	Production 9-Industry, Innovation & Infrastructure	
	B22EC100	Finfet technology with write -assist (16nm 128mb)	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
10.	B22EC075	Image processing and algorithm research based on cloud computing	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. K.Sowjanya
	B22EC085	A general image segmentation model and its applications	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC095	Cgffcm: a color image segmentation method based on cluster-weight and feature-weight learning.	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC203L	The algorithm of watershed color image segmentation based on morphological gradient	9-Industry, Innovation & Infrastructure 4-Quality Education	
11.	B22EC077	Communication in the 6g era	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. B.Rama Devi
	B22EC088	6g view , value and technologies requirements from 6g flagship project hexa-x	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC089	6g: the roadmap to 6g security and privacy	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC123	6g opening new horizons for integration of comfort ,security and intelligence introduction	9-Industry, Innovation & Infrastructure 4-Quality Education	
12.	B22EC092	Automatic breast mass segmentation and classification using subtraction of temporally sequential digital mammograms	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri Azmeera Srinivas
	B22EC118	Cnn hyperparameters optimization for mammography breast cancer classification	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC083	Segmentation of breast masses in mammogram image using multilevel multi objective electromagnetism-like optimize algorithm	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC201L	Preprocessing of breast cancer images to create datasets using deep-cnn	9-Industry, Innovation & Infrastructure 4-Quality Education	
13.	B22EC084	High gain, broadband and dual-polarized substrate integrated waveguide cavity-backed slot antenna array for 60 ghz band	9-Industry, Innovation & Infrastructure 4-Quality Education	Smt.A.Vijaya a Smt.A.Vijaya a

	B22EC125	A single-layer dual-frequency shared-aperture siw slot antenna array with a small frequency ratio	9-Industry, Innovation & Infrastructure 4-Quality Education	Smt.A.Vijaya
	B23EC200L	Design of low sll siw antenna with a large declination in ka band	9-Industry, Innovation & Infrastructure 4-Quality Education	
14.	B22EC097	Image segmentation and classification using deep learning	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	Dr. V.Venkateshwar Reddy
	B22EC094	Image segmentation and classification and deep learning	9-Industry, Innovation & Infrastructure 12--Responsible Consumption & Production	
	B22EC090	A review on optimization techniques of antennas using ai and ml/dl algorithms	9-Industry, Innovation & Infrastructure 12--Responsible Consumption & Production	
	B22EC103	Deep learning strategies for analysis of weather-degradation and optical sea images	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	
15.	B22EC101	Design of triangular microstrip patch antenna for iot applications	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr M Chandrasekhar
	B22EC093	Design of rectangular microstrip patch antenna for iot	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC119	Design of a circular microstrip patch antenna for iot applications.	9-Industry, Innovation & Infrastructure 4-Quality Education	
16.	B22EC127	Vehicle to vehicle communication for collision avoidance	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. S.Umamaheshwar
	B22EC096	Mobile phone impacts, challenges and predictions	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B23EC202L	Interactive arduino gsm communication system	9-Industry, Innovation & Infrastructure 4-Quality Education	
17.	B22EC124	Image segmentation -a survey of soft computing approaches	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. Ganta Raghotham Reddy
	B23EC204L	Level set based shape prior and deep learning for image segmentation	9-Industry, Innovation & Infrastructure 4-Quality Education	

	B22EC108	Deep image prior	9-Industry, Innovation & Infrastructure 4-Quality Education	
18.	B22EC109	Design of multilayer circular microstrip patch antenna using ann	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. V.Venkateshwar Reddy
	B22EC128	A review on optimization techniques of antennas using ai and ml / dl algorithms	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC113	Artificial neural design of microstrip antenna	9-Industry, Innovation & Infrastructure 4-Quality Education	

5ECE3 Seminar(2024-25) Report

S.No	Student Roll Number	Title of the Seminar	SDGs Addressed	Name of the Supervisor
1	B22EC183	Detection of cyber bullying on social media using machine learning	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	P.Ramchander Rao
	B22EC179	Cyber willing detection an ensemble based machine learning approach	10. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC171	Towards a safer conversation space:detection of toxic content in social media	11. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
2	B22EC150	Gesture recognition system for human computer interaction using computer vision	9. Industry Innovationand Infrastructure 12-Responsible Consumption &	Dr.A. srinivas

			Production	
	B22EC190	Hand Gesture based recognition system	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC173	Research on Gesture Recognition method based on computer vision	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
3	B22EC129	Smart irrigation system using wireless sensor networks and zigbee module	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Dr.J.Tarun Kumar
	B23EC209 L	powering industry 4.0 and iot with RF energy Harvesting	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC145	Creation of native valley condition for vegetation by incubation technique	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
4	B22EC189	Integration of AI in Micropatch antenna Design for AMCA Aircraft	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	B.Komuraiah
	B22EC154	Improvement of microstrip patch antenna gain and bandwidth at 60ghz and Xbands for wireless applications	9. Industry Innovationand Infrastructure 12-Responsible Consumption &	

			Production	
	B22EC156	Bandwidth Enhancement of Microstrip Patch Antenna Using Complementary Rhombus Resonator	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
5	B22EC157	Multi-Scale tention generative adversial network for medical image enhancement	12-Responsible Consumption & Production 9. Industry Innovationand Infrastructure	Dr.K.Ramudu
	B22EC148	Generative adversarial networks(Gans)in medical imaging	12-Responsible Consumption & Production 9. Industry Innovationand Infrastructure	
	B22EC137	Recent Advancements and future prospects in active deep learning for medical image segmentation and classification	12-Responsible Consumption & Production 9. Industry Innovationand Infrastructure	
6	B22EC182	A Very Large Scale Integration(VLSI) Chip Design for Abnormal heartbeat Detection Using A Data-Shifting Neural Network(DSNN)	12-Responsible Consumption & Production 9. Industry Innovationand Infrastructure	J.Sheshagiri Babu
	B22EC151	Low-Power ECG-Based Processor for Predicting Ventricular Arrhythmia	12-Responsible Consumption & Production 9. Industry Innovationand Infrastructure	
	B22EC131	Premature ventricular Complex Detection Chip Obtained Using Convolution Neural Network	12-Responsible Consumption & Production 9. Industry Innovationand	

			Infrastructure	
7	B22EC155	Dielectric-Loaded Conformal Microstrip Antennas for Versatile In-Body Applications	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Adepu Vijaya
	B21EC174	Implantable ingestible and ingestible medical devices with wireless telemetry functionalities:A review of current status and challenges	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC139	Modeling and Characterization fin-Body Antennas	12-Responsible Consumption & Production 9. Industry Innovationand Infrastructure	
	B22EC144	Stacked H-Shaped Microstrip Patch Antenna	12-Responsible Consumption & Production 9. Industry Innovationand Infrastructure	
8	B22EC169	Design and Optimization of VCO using on-chip Inductors	12-Responsible Consumption & Production 9. Industry Innovationand Infrastructure	P.Chiranjeevi
	B22EC177	High-Performance inductive source degenerated LNA for Ku-Band	12-Responsible Consumption & Production 9. Industry Innovationand Infrastructure	
	B22EC146	Enhanced design of on-chip spiral inductors for fully	12-Responsible Consumption &	

		integrated voltage regulators	Production 9. Industry Innovationand Infrastructure	
9	B22EC130	Design and Analysis of high speed comparator	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Dr.V.Raju Reddy
	B22EC138	Analysis of static and Dynamic Random offset voltages in Dynamic comparators	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC176	Analysis of static and Dynamic Random offset voltages in Dynamic comparators	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
10	B22EC167	Analysis of static and Dynamic Random offset voltages in Dynamic comparators	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Dr. D. Venu
	B23EC207 L	Predicting best selling new products in a major promotion campaign through graph convolutional networks	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC206 L	Big mart sales prediction using machine Learning	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC187	forecasting for walmart using	9. Industry Innovationand	

		machine learningAccurate sales	Infrastructure 12-Responsible Consumption & Production	
11	B22EC185	Online payment fraud detection model using machine learning techniques	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Dr.V.Venkateshwar reddy
	B22EC178	Machine learning approaches for credit card fraud detection	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC174	credit card fraud detection using pipeline and ensemble learning	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC161	Financial fraud detection applying data mining techniques	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
12	B22EC164	Sound enhancement network:multi model speech Denoising	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	S.Pradeep Kumar
	B22EC181	Optimizing Speech enhancement through noise reduction algorithms	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC160	Improving Speech enhancement with perceptuality driven	9.Industry Innovationand	

		bayesian magnitude spectrum	Infrastructure 12-Responsible Consumption & Production	
13	B22EC149	Medical Image analysis using Deep learning algorithms	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Dr.B.Dhanalaxmi
	B22EC158	Deep learning for medical image segmentation state-of the-art advancements and challenges	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC147	Image Segmentation using Deep learning -A survey	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC141	Deep Learning- based image segmentation on multimodal medical imaging	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
14	B22EC163	Bi-directional conv LSTM U-Net with densely connected Convolutions	9.Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Prof. G.Raghotham Reddy
	B22EC142	Stacked bidirectional and unidirectional LSTM recurrent neural network for network - wide traffic speed prediction	9.Industry Innovation and Infrastructure 12-Responsible Consumption & Production	

	B22EC166	3D U-Net:Learning Dense volumetric segmentation from sparse Annotation	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC135	Driving behaviour prediction based on combined neural network model	9.Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
15	B23EC210 L	The use of 5G in military Cloud of Things Solutions	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	Dr.M.Raju
	B22EC180	Agent Based System Simulation of Wireless Battlefield Networks	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B22EC136	5G for Military Communications	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
	B22EC170	LTE infrastructure for Command and Control Networks	12-Responsible Consumption & Productionth 9. Industry Innovationand Infrastructure	
16	B22EC191	Enhancing visual recognition with CNN and transfer Learning	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Syed Zaheeruddin

	B22EC153	Image seggmentation using CNN	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC188	CNN in Autonomous driving and robotics	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC140	Traffic flow forecast using CNN	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
17	B22EC143	Low power 6T SRAM Design using 45nm Technology	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	E.Suresh
	B22EC165	Speed Improvement in SRAM cell using Transmission Gates	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC152	Design and leakage power Optimization of 6T static Random Access Memory cell using Cadence Virtuoso	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC162	Leakage minimization of SRAM cells in a Dual-Vt and Dual -Tox Technology	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	

18	B23EC208 L	Enhancement of low-exposure images via Recursive Histogram Equalization Algorithms	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	Dr.R Srikanth
	B22EC184	Image Enhancement using Exposure based Sub Image Histogram Equalization	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B23EC211 L	Investigation on Quality Enhancement of Old and Fragile Artworks using Non-Linear Filter and Histogram Equalization Techniques	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	
	B22EC159	Adaptive Histogram Equalization in Constant Time	9. Industry Innovationand Infrastructure 12-Responsible Consumption & Production	

5ECE1 Seminar(2023-24) Report

Batch no	Roll number	Title	SDG's addressed	Supervisor
Batch 1	B21EC003	IOT based smart switch with Bluetooth speaker using MQTT protocol: NODE RED FRAME WORK	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.Ch. Sridevi Reddy
	B21EC036	Smart monitoring and collection of Garbage systems using internet of Things	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC025	Internet of Things Security: Multi-layered method for end-to-end data communications over cellular networks	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC007	Home automation and security for Mobile Devices	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B20EC05	Exploiting Bluetooth on	9-Industry, Innovation	

	9	android mobile devices for home security applications	& Infrastructure 4-Quality Educations	
Batch 2	B21EC002	6G wireless Communication Systems: Introduction, Trends in mobile communications	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. M. Raju
	B21EC031	6G Wireless communication Systems: Fundamental Enabling Technologies of 6G	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC062	6G Wireless communication Systems: Introduction to specifications and requirements, prospects, and applications	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC028	6G Wireless communication Systems: Standardization, Research activities, challenges, and future directions	9-Industry, Innovation & Infrastructure 4-Quality Educations	
Batch 3	B21EC010	Exploring the effect of image enhancement techniques on COVID-19 detection using Chest X-RAY images	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.K.Ramudu
	B21EC060	A new approach for computer aided detection of COVID-19 from CT and X-RAY images using machine learning methods	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC020	Applications of deep learning techniques for detection of COVID-19 cases using Chest X-RAY images	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC005	Double level set segmentation model based on Mutual exclusion of adjacent regions with application to rain images	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 4	B21EC009	Brain Tumor Detection using Anisotropic Filtering: SVM classifier and Morphological Operation from MR images	9-Industry, Innovation & Infrastructure 12--Responsible Consumption & Production	Sri A.Srinivas
	B21EC030	Brain Tumor identification using Gaussian Mixture model Features and Decision Trees Classifier	9-Industry, Innovation & Infrastructure 12--Responsible Consumption & Production	
	B21EC063	Detection of Brain Tumor and extraction of features in MRI images using K-means clustering and Morphological operations	9-Industry, Innovation & Infrastructure 12--Responsible Consumption & Production	
	B21EC02	Efficient Detection of Brain	9-Industry, Innovation	

	3	Tumor from MRIs using K-means segmentation and normalized Histogram	& Infrastructure 12--Responsible Consumption & Production	
5	B21EC013	A low-power SRAM design with enhanced stability and ION/IOFF ratio in FinFET technology for wearable device applications	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.V.Raju
	B21EC004	A 7T High stable and low power SRAM cell design using QG-SNS FinFET	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC047	Low power and suppressed Noise 6T, 7T SRAM cell using 18nm FinFET	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC024	A Robust multi-bit soft error immune SRAM cell for low power applications	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 6	B22EC198L	Cultivation of lettuce using horticultural lighting system	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. B. Rama Devi
	B21EC058	Spectral Design of Light-Emitting Diodes for plant Photosynthesis based on Quantum Dots	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC035	Enhance the photosynthetic and colour performances of multi-primary white light emitting diodes for indoor farming	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC059	An improved digital control system for LED grow lights used in indoor farming	9-Industry, Innovation & Infrastructure 4-Quality Education	
7	B21EC052	Breast Cancer Segmentation using K-means Clustering and optimized region growing techniques	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri A. Srinivas
	B21EC045	Breast Cancer Detection using K-Nearest Neighbours, Logistic Regression, and ensemble learning	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC057	An automatic breast Tumor detection and classification including volume estimation using deep learning technique	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC006	Identification of breast cancer using the decision tree algorithm	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 8	B21EC011	Dual band Dual Polarized antenna for 5G Milli-meter wave antenna in package	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri B. Komuraiah

		applications		
	B21EC038	Impacts of Real Hands on 5G Milli- meter wave cell phone antennas: Measurements and Electromagnetic models	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC026	Revolutionary connectivity with a Pocket-size power: a 5G antenna array	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC042	Optically Transparent Antenna Arrays for the Next Generation of Mobile Networks	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 9	B21EC014	Image Encryption method based on Artificial Neural Network and Multidimensional Chaotic Sequence	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. M. Raju
	B21EC037	Flow of algorithm in artificial neural network for Image Encryption	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC195L	Analysis in Image Recognition and Encryption	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC200L	Experiment in Image Recognition and Encryption	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 10	B21EC064	Image Segmentation using deep learning: A survey	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.G.Raghotham Reddy
	B21EC034	Iterative, deep synthetic Aperture Sonar Image segmentation	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC049	A topological Loss Function for deep learning-based image segmentation using persistent Homology	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 11	B22EC199L	Multivariate Empirical Mode Decomposition	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri J. Sheshagiri Babu
	B21EC041	Empirical Mode Decomposition	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC021	Principal Component Analysis	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC051	Singular Value Decomposition	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 12	B21EC056	Bandwidth Analysis by	9-Industry, Innovation & Infrastructure	Dr V Venkatesh

		introducing slots in microstrip antenna design using Artificial Neural Network	12--Responsible Consumption & Production	war Reddy
	B21EC019	Design of Microstrip antenna using Artificial Neural Network	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC012	Antenna Analysis using Artificial Intelligence	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC022	Design and optimization of Microstrip patch antenna using Artificial Neural Network	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 13	B21EC017	Deep Convolution neural network-based signal quality assessment for photoplethysmogram	9-Industry, Innovation & Infrastructure 4-Quality Education	Prof K Ashoka Reddy
	B21EC001	A machine learning approach for PPG Signal quality assessment	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC054	Photoplethysmographic signal quality assessment: A comparative study of Unsupervised and supervised neural networks	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC018	Understanding of a Convolution Neural Network	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 14	B22EC196L	Speech Enhancement using recursive Least Square based Real time adaptive filtering Algorithm	9-Industry, Innovation & Infrastructure 4-Quality Education	Sri S Pradeep Kumar
	B21EC048	The performance of Wearable speech enhancement system under noisy environment: An experimental Study	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC053	Improving speaker Recognition in Environmental noise with adaptive filter	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B20EC039	Voice activity detection optimization by adaptive attention span transformer	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 15	B22EC201L	Designing of microstrip patch antenna using artificial neural network	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr V Venkatesh war Reddy
	B21EC046	Artificial neural network for RF and Microwave Design	9-Industry, Innovation & Infrastructure	

			4-Quality Education	
	B21EC039	Machine Learning in Antenna Design: An overview on Machine Learning Concept and Algorithms	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC055	The Method of moments: A numerical technique for wire antenna design	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 16	B22EC197L	Identification of Autism Spectrum Disorder using Deep learning algorithms	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Sri P. Yugander
	B21EC015	Classification of autism spectrum disorder using Support Vector Machine	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC016	Identification of Autism Spectrum disorder from EEG signals using pre trained Deep Convolution Neural Networks	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC043	Identification of Autism Spectrum disorder using ADIR and ADOS	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 17	B21EC044	Optical Character Recognition and Image Recognition	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Sri E Suresh
	B21EC027	Computer Aided Diagnosis Imaging Techniques in X-Ray, MRI, and Endoscopy	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC008	Detection of small tumors of brain using medical imaging	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC050	CAD in cardiac Disease Diagnosis	13-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 18	B21EC033	Deepfake video detection by	12-Responsible Consumption &	Dr. D. Venu

		combining CNN and RNN	Production9-Industry, Innovation & Infrastructure	
	B21EC061	Sentimental Analysis in Natural Language Processing	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC029	Recent advances in Natural Language processing via BERT model	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B20EC027	Natural Language Processing based text Summarization	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	

5ECE2 Seminar(2023-24) Report

Batch No	Roll No.	Titles	SDG	Guide
Batch 1	B21EC071	Segmentation of images using clustering techniques	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr. S.P. Girija
	B21EC078	Day or Night Activity Recognition From Video Using Fuzzy Clustering Technique	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC204L	Smart vehicle Licence Plate Recognition using Convolutional Neural Network	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC128	Image Segmentation using Artificial Neural Networks	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch2	B21EC098	Border security system using arduino, ultrasonic sensors and IOT	9-Industry, Innovation & Infrastructure 4-Quality Educations	P. Ramchand ar Rao
	B22EC206L	Intelligent border security intrusion detection using iot and embedded systems	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC119	Intrusion detection in iot syste	9-Industry, Innovation & Infrastructure 4-Quality Education	

	B21EC070	Border security and surveillance system using Iot	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 3	B21EC077	Convolutional neural networks in Computer vision: It's Applications and Challenges	9-Industry, Innovation & Infrastructure 4-Quality Education	Syed Zaheeruddin
	B21EC090	Image segmentation using convolutional neural networks	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B22EC205 L	Object detection using CNN	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC100	Convolutional neural network and it's mechanisms	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 4	B21EC083	An Efficient Spam detection technique for IOT devices using Machine Learning	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	Santhosh Kumar Dontha
	B21EC115	HAWKSEYE - A Machine Learning Based Technology for Fake News Detection With IO	9-Industry, Innovation & Infrastructure 12-Responsible Consumption & Production	
	B21EC075	Internet of Medical Things(IoMT)-based smart healthcare system: trends and progress	9-Industry, Innovation & Infrastructure 12--Responsible Consumption & Production	
	B21EC085	An IOT based on the smart farming using mechain learning	9-Industry, Innovation & Infrastructure 12--Responsible Consumption & Production	
Batch 5	B21EC081	REAL-TIME OBJECT DETECTION USING YOLO ALGORITHM	9-Industry, Innovation & Infrastructure 12--Responsible Consumption & Production	V Shobhan Reddy
	B21EC068	Object detection in image processing using edge detection techniqu	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC107	Object Identification through image Segmentation using Convolutional Neural Networks (CNNs)	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC121	Object Identification For Computer Vision Using Image Segmentation	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 6	B21EC097	Fabrication of Fractional-Order Model of on-Chip Inductors with	9-Industry, Innovation & Infrastructure	Dr. T. Sunil Kumar

		BCB on High Resistivity Silico	4-Quality Education	
	B21EC092	Differentially Driven Symmetric Microstrip Inductors	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC072	Nanoscale On-Chip Inductors Using A Linearized Meminductive Circuit	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC073	Nanoscale On-Chip Inductors Using A Linearized Meminductive Circuit	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 7	B21EC101	Bluetooth module for contemporary application	4-Quality Education 9-Industry, Innovation & Infrastructure	P. Chiranjeevi
	B21EC094	An Advanced GPS Receiver:Enhancing positioning Accuracy and Reliability	5-Quality Education 9-Industry, Innovation & Infrastructure	
	B21EC096	Modem architecture for 5g applications	4-Quality Education Energy 9-Industry, Innovation & Infrastructure	
	B21EC065	Near field communication(NFC)	6-Quality Education 9-Industry, Innovation & Infrastructure	
Batch 8	B21EC112	Fuzzy clustering with level set segmentation for detection of dental restoration area	9-Industry, Innovation & Infrastructure 4-Quality Education	Dr.G.Raghotham Reddy
	B21EC095	A Fast and Robust Level Set Method for Image Segmentation Using Fuzzy Clustering and Lattice Boltzman Method	9-Industry, Innovation & Infrastructure 4-Quality Education	
	B21EC110	Precision method for pest detection in plants using clustering algorithm in image processing	9-Industry, Innovation & Infrastructure 4-Quality Education	
Batch 9	B21EC102	A quantization noise reduction method for fractional n-pll using cascaded injection locked oscillators	9-Industry, Innovation & Infrastructure 4-Quality Education	Md Abdul Muqueem
	B22EC203 L	"A 56-GHz Fractional-N PLL With 110-fs Jitter".	13-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC106	A 12.5 GHz fractional N type-1 sampling PLL achieving 58fs	12-Responsible Consumption & Production	

		integrated jitter	9-Industry, Innovation & Infrastructure	
	B21EC109	A Bias current free fractional n-hybrid pll for low voltage clock generation	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 10	B22EC208 L	FABRICATION OF ON-CHIP DEVICE	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	P. Chiranjeevi
	B21EC126	RF TRANSRECEIVER: BRIDGING SIGNALS FOR WIRELESS COMMUNICATION AND BEYOND	4-Quality Education 9-Industry, Innovation & Infrastructure	
	B21EC111	Micro Strip Antenna	4-Quality Education 9-Industry, Innovation & Infrastructure	
	B21EC122	On-Chip Millimetre-Wave Passive Circuit Design In Silicon-Based Technologies	4-Quality Education 9-Industry, Innovation & Infrastructure	
Batch 11	B22EC202 L	A novel eye gaze controlled wheelchair system	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.R Srikanth
	B21EC113	A novel eye gaze controlled wheelchair system for navigating unknown environments. A case study with a person with ALS	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC089	Offline analysis for designing electrooculogram based human computer interface	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC074	Eye Directive Wheelchair	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 12	B21EC076	The comparative study of medical image enhancement algorithms and quality assessment metrics on COVID-19 CT images	3-GoodHealthandwell being 9-Industry, Innovation & Infrastructure	Dr.K.Ramudu
	B21EC127	Satellite Image Enhancement Using an Ameliorated Balance Contrast Enhancement Technique	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC088	Improving the Contrast of Aerial Images using a New Multi-concept	12-Responsible Consumption & Production	

		Algorithm	9-Industry, Innovation & Infrastructure	
	B21EC123	Rapid Contrast Enhancement Algorithm for Natural Contrast-Distorted Color Images	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 13	B21EC084	Photoplethysmography Signals For Differentiating Hypovolemia And Euvoemia Using SVM	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Prof K Ashoka Reddy
	B21EC108	Enhancement of blood pressure estimation method via machine learning	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC082	A Machine Learning Approach For Based On PPG And Clinical Data	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC118	Deep Learning-Based Continuous Beat-To-Beat Blood Pressure Measurement Method Based On Photoplethysmography	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 14	B21EC099	Image clustering using optimization algorithm and color space	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.S.P.Girija
	B21EC066	A hybrid cooperative comprehensive learning based PSO algorithm for image segmentation using multilevel thresholding	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC104	Multilevel Thresholding Selection Based On The Artificial Bee Colony Algorithm For Image Segmentation	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC080	Image Segmentation Using Optimization Algorithms	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 15	B21EC125	Analysis of micro strip patch antennas on arbitrary shaped multi layers	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Adepu Vijaya
	B21EC120	Analysis of micro strip patch antenna	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC069	Comparison Of Resonant	12-Responsible Consumption &	

		Frequencies Of Rectangular, Isosceles And Equilateral Micro Strip Antennas Having The Same Patches Surface	Production 9-Industry, Innovation & Infrastructure	
	B21EC087	Analysis of different shapes of micro strip patch antenna at 1.5GHz	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 16	B22EC207 L	Design Of Rectangular Microstrip Patch Antenna	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	B. Komuraiah
	B21EC116	A Concept of Advanced Design Governed by Theoretically Predicted Current Distributions on the Ground Plane Beneath an Aperture-Fed Micro strip Antenna	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC086	A Technique to Realize Aperture Coupled Micro strip Patch as a Truly Low Cross-Polar Antenna by Mitigating the Major Issues Over Its Skewed Radiation Planes	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 17	B21EC091	DNN based speech enhancement using regression approach	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	S Pradeep Kumar
	B21EC117	Smart Phone based Binaural Hearing aid architecture using Speech Enhancement DNN	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC079	An Efficient Speech Enhancement Using Deep Neural Network	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B20EC072	Nanoscale On-Chip Inductors Using A Linearized Meminductive Circuit	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
Batch 18	B21EC114	Reversible data hiding in encrypted images without any additional information transmission	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	Dr.B.Dhanalaxmi
	B21EC067	High performance Reversible Data hiding in Encrypted Image with Adaptive Haffman code	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	
	B21EC093	High capacity reversible data hiding	12-Responsible Consumption &	

		in encrypted images by information processing	Production 9-Industry, Innovation & Infrastructure	
	B20EC106	A 12.5 GHz fractional N type-1 sampling PLL achieving 58fs integrated jitter	12-Responsible Consumption & Production 9-Industry, Innovation & Infrastructure	

5ECE3 Seminar(2023-24) Report

Batch es	Roll Number	Title of the Seminar	SDGs Addressed	Name of the Supervisor
1	B21EC178	Automatic Photo adjustment Using Deep Neural Networks	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr. J. Tarun Kumar
	B21EC193	Learning Representations for Automatic Colorisation	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC190	Real Time User-Guided Image Colorisation with Learned Deep priors	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC187	Image-to-Image translation with conditional adversarial network	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
2	B21EC142	A Study on Super Wideband MIMO Antenna for IOT Applications	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr M. Chandrasekhar
	B21EC163	Electronically Pattern Reconfigurable Antenna	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC165	A Modified meander line microstrip patch Antenna with enhanced bandwidth for 2.4 GHz ISM-Band Internet of Things(IOT) Applications	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	

3	B21EC152	Machine Learning-Based Models for Early-Stage Detection of Autism Spectrum Disorders	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr. B. Rama Devi
	B21EC173	The use of Artificial Intelligence in Screening and Diagnosis of Autism Spectrum Disorder	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC146	"An investigation to choose the proper therapy technique in the management of autism spectrum disorder"	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
4	B21EC167	Chex Net: Radiologist-Level Pneumonia Detection on Chest X-Rays with Deep Learning	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr. J. Tarun Kumar
	B21EC194	Bottom FED Planar Elliptical UWB Antenna	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC175	Viral Pneumonia Screening ON Chest X-RAY using Confidence Aware Anomaly Detection	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
5	B22EC209L	A Study on Design and Leakage Power Optimization OF6T SRAM using cadence virtuoso	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	<u>Dr.V.Raju</u>
	B21EC141	Leakage Minimization of SRAM cells in a DUAL-Vt and DUAL-Tox Technology	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC191	Learning Representation of Automatic Colorisation	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC177	Effect of changes in supply voltage on power consumption of digital CMOS delay lines	9. Industry Innovation and Infrastructure 12-Responsible	

			Consumption & Production	
6	B21EC150	Performance Benchmarking of TFET and FinFET Digital Circuits from a synthesis based perspective	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	<u>Ch Pavan Kumar</u>
	B21EC133	Electrostatic Discharge Characteristic Of Si/Ge Source and Drain PNN TFET	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC164	Application of Silicon-Germanium Source Tunnel-FET to enable Ultra low power cellular neural network-based associative memory	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
7	B21EC140	Short Channel Effect (SCEs) in Double Gate(DG) and Gate-All-Around(GAA) Finfet structures for Nanoscale Applications	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	<u>A.Pavan</u>
	B21EC158	Comprehensive Analysis Of Short-Channel Effects in Ultra thin SOI MOSFETs	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC185	Assesment device Design Technologies for Enhanced Performance of Nano Scale DG MOSFET	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC180	Design of Ion-implanted MOSFETs with very small physical dimensions	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
8	B21EC131	Impact of Metal-Gate Material properties in Fin FET(Versus FD-SOI MOSFET) on Highk/Metal Gate Work Function Variation	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	A.Pavan
	B21EC192	Assesment of Device Design Technologies for Enhanced performance of Nano scale DG MOSFET	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC170	Circuit Analysis and Optimization of Gate-All-Around (GAA) Nanowire	9. Industry Innovation and Infrastructure 12-Responsible	

		Field-Effect Transistor (FET) Towards Low Power and High Switching	Consumption & Production	
	B21EC134	Multiple Gate Silicon on Insulator (SOI) MOSFETs: Device Design and Analysis	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
9	B21EC153	Visual Speech Recognition Using Active Shape Models and Hidden Markov Models	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr.R Srikanth
	B21EC149	A study on Snakes-Active Contour Models	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC143	Lip feature extraction from face using deformable templates	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
10	B21EC155	Massive MIMO Detection Techniques: A Survey	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr. S. Umamaheshwar
	B21EC151	A hybrid Machine Learning Technique for increasing the performance of Network Intrusion Detection Systems	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC161	A study of Efficient Detection based on Gradient Search for MIMO Systems	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC184	Performance Analysis of K-Best Sparse Decoder for Spatial Multiplexing MIMO systems	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
11	B21EC136	Nature Inspired Algorithms for Image Processing	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr K.Sowjanya
	B22EC213L	A Detailed Review of Feature Extraction in Image Processing	9. Industry Innovation and Infrastructure	

		System	12-Responsible Consumption & Production	
	B21EC183	Face Image Feature Extraction based on Deep Learning Algorithm	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B22EC210L	A Review on Feature Extraction Techniques in Content Based Image Retrieval	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
12	B22EC214L	Natural Language Processing for Smart Healthcare	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr. D. Venu
	B21EC181	Email spams via Text Mining using Machine Learning Techniques	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC139	Calculating the Similarity between words and sentences using Lexical Database, Corpus Statistics and Natural Language Process	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC189	"Twitter and Research :A Systematic Literature Review Through Text Mining	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
13	B21EC129	Performance Analysis of Sphere Decoder for MIMO Systems	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Dr. S. Umamaheshwar
	B21EC135	Architectural Optimization for Low-Power-K-Best MIMO Decoders	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC162	Massive MIMO for Next Generation Wireless Systems	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	

	B21EC171	MMSE Based K-Best Algorithm for Efficient MIMO Detection	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
14	B21EC159	Image Segmentation using Chan vese active contour model	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Syed Zaheeruddin
	B21EC160	Image Segmentation Based on Level Set Method	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC138	A Modified Active Contour Model for Retinal Blood Vessels Segmentation	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC179	Semantic Image Segmentation	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
15	B21EC154	Dual stream MIL for Depression Detection using Facial Expression	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	E Suresh
	B21EC182	Identification of Cerebral Small Vessel Disease Using MIL	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC145	Multiple Instance Learning using 3D Features for Melanoma Detection	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC176	Effective 3D object detection and regression using probabilistic segmentation features in CT images	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
16	B21EC166	A Compact, Symmetric U-Shaped Monopole For Ultra Wide Band Operation	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Adepu Vijaya

	B21EC172	Bottom Fed Planar Elliptical UWB Antenna	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC144	A planar UWB Antenna with Signal Rejection Capability in the 4-6GHz Band	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B22EC211L	"A Novel multiple-stub ultra-wide band antenna"	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
17	B22EC212L	Decomposition and reconstruction of signal for identification of eye movement artifacts (OA) in electroencephalogram(EEG) using the wavelet transform	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	Sheshagiri Babu J
	B21EC157	Overview of Artifacts Detection and Elimination Methods for BCI using EEG	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC188	A Wavelet based algorithm for Ocular Artifacts Detection in EGG Signals	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC168	Removing Artifacts From EEG Signal Using Wavelet Transforms	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	
	B21EC132	Denoising Techniques for Artifact Removal from EEG Signals	9. Industry Innovation and Infrastructure 12-Responsible Consumption & Production	