Day 1, 27th June '25, 2:00 - 4:00 PM

Track 1: Power and Renewable Energy Systems — Session 1.1

Paper ID	Authors	Title	Online/Offline
138	Usha K*	Impact of Stray Capacitance in Inter Disc Fault Location in Transformer Winding	Offline
281	Kamlesh Kumar Bharati*; Shilpi Yadav; Vijay Pratap Singh; Rajesh Kumar; Pavan Chaudhari	Enhancing the Efficiency of Perovskite Solar Cells using Tin-Based Materials	Offline
469	Rishibha Jain; Ritik Raj; Shrijal Sharma; Namanmeet Singh; Mukesh Singh; Neeru Jindal*	L-GDP: An Integrated Approach for Energy Optimization in Net Zero Energy Buildings using LSTM, GWO, DE, and PSO Techniques	Offline
1134	Harikrishnan K P*; Dr. Kishor Kumar V V	Performance Analysis of Hybrid Solar Dryer	Offline
1463	Sreelakshmi P P*, Manoj Kumar M V, Jisha P	Integration of PV-BES in Low-Voltage Distribution Systems with Distinct Load Profiles	Offline
1489	Kavya P V*; Anilkumar T T	Load Frequency Control of an Islanded Microgrid using MPC Based Virtual Inertial Control	Offline

Track 2: Electric Drives and Power Converters — Session 2.1

Paper ID	Authors	Title	Online/Offline
506	Shashidhar Kasthala; Sreekumar A V; Nithya Chandran*	A comparative analysis of High Power Converter Topologies for LED Lamps	Offline
655	Ravikrishna R, Krishnaveni S	Efficient Integration of Photovoltaic Systems into the Power Grid using DC-DC Boost Converter	Offline
832	Jeevan N D; Niraj Kumar Dewangan*; Karthik B M; Krishna Kumar Gupta; Vikram Singh	Fault Detection and Classification in Multilevel Inverter using Machine Learning	Offline
1028	A G Devu*, Dr. Lekshmi A	Sliding-Mode Control Of PMSM Speed Regulation System	Offline
1069	Salu M R*, Dr. Ann Mary Joshua	Implementation of MRAS Speed and Position Estimator for Sensorless PMSM Drive	Offline
1192	Jishnu Prahlad*, Dr. Deepa M U	Front End AC-DC PFC Converter for Two-Stage EV Chargers	Offline

Track 4, 5: VLSI, Embedded Systems and IoT — Session 4.1

Paper ID	Authors	Title	Online/Offline
815	Laseena C A*; Sajesh Kumar U	FPGA Based Performance Evaluation of Primitive Block Ciphers of the NIST LWC Standardization Finalists	Offline
975	Lekshmi T*:Dr.Sajesh Kumar U,Dr. Nelsa Abraham	Performance Evaluation of MFIS and MFMIS Negative Capacitance FDSOI for Low Power Applications.	Offline
1454	Devu Sanal*; Nikhil M; Adersh V R	Reconfigurable CNN Accelerator for Object Detection on PyNQ-Z2	Online
86	Mallika Mathew*:Suresh Kumar E	Design of a Low Dropout Regulator using SCL 180nm Technology for Power Management Integrated Circuit	Online
331	Nikhilesh Kumar Chowdari; Mandeep Singh*	Silicon Photonic Microring Resonator for High-Sensitivity Temperature Sensing	Online
554	Adicherla Ram Teja; Arun Sekar Rajasekaran; Bere Umesh Chandra; Chaganti Sriram; Naradasu Pranay Rao; Aluvoju Vivek*	Error-Tolerant Arithmetic Circuit Design for Energy Efficient Computing	Online
424	Arunraj A*; Aiswariya R; Edwin K V; Stinoy Steephen; Neethu Rose Thomas	Enhancing Deaf Blind Communication through Real-Time Speech-Text and Braille Translation	Offline

Track 4, 5: VLSI, Embedded Systems and IoT — Session 5.1

Paper ID	Authors	Title	Online/Offline
887	Bristo C J*; Safvan C K; Goutham S Kumar; Suryagayatri Thangalazhi; Adersh V R	ReRAM based In-Memory Computation for Matrix Multiplication and Perceptron based Logic	Online
1157	Aksa David*:Manjith B C	Comparative Analysis of Timing Parameters In Reconfigurable Devices	Online
1476	K Kiran; Gulla Tejaswini*; Adari Anjana Jahnavi; Bodigadda Ramya; Cheeday Satyanarayana; Dainde Bala Bramham	Design and Implementation of a Hazard-Resilient ARM Processor with Pipeline for FPGA	Online
370	Minal Patil*;Gauri Kaple;Lokesh Umredkar;Mayur Paunikar, Mitali Patil,Monali Gulhane	Artifact Seeker Bot: The Multitasking Archaeological Robot using IOT Technology	Online
920	Medha Khenwar; Ankur Sisodia*; Swati Vishnoi;Simran Chugwani; Rashmi Bhardwaj;Nandini Sharma	Elevating Security Measures in Ad Hoc Networks: An Intrusion Detection Approach with Deep Learning	Online
1033	Trivedi Devanshi*,Ruchi Gajjar	Detection and Classification of Mangoes using Machine Learning on Various Edge AI devices in Real-Time through Drone	Online
1103	Sourish Mitra*; Sandip Roy; Rajesh Bose; Indranil Sarkar; Biswajit Chaki Choudhury; Shirsendu Dutta	IoT Based Energy Efficient Anti-Sprouting by Ethylene Removal and Tuber Moth Repellent System in Household Potato Cold Storage	Online

Track 6: Signal Processing			Session 6.1
Paper ID	Authors	Title	Online/Offline
214	Divya Lakshmi S*,Dr. N Suresh Kumar	Stacked Ensemble Learning for Environmental Sound Classification Using Bayesian Tensorized Neural Networks	Online
517	Adithyan A; Abdulla T H; Aljazeer Muhammed; Sivakarthik B; Rajeev Rajan*	Leveraging YOLOv8 and YOLOv11 for Real-Time Leaf Image Analysis for Plant Disease Detection	Offline
528	Muhammed Rayees E K; Athul Krishnan P P; Vignesh K; Mohammed Salim M K; BHASI K C; RAJEEV RAJAN*	Deep Neural Network-Based Classification of Body-Conducted Speech Using MFCC Features	Offline
535	Aiwin Sabu; Anandhu Jayan; Gokulkrishnan P; Siya P J; Bhasi K C; Rajeev Rajan*	Detection of Abnormal Heart Sounds Using MFCC and Deep Neural Networks	Offline
784	Chithra K R*; Athira Remesh; Sinith M S	Content-Based Hybrid Deep Learning Model for Classical Music Recommendation	Offline
884	P M Ameera Mol*; Dr. Tina Elizabeth Mathew	Human Action Recognition – Analysis of Deep Learning Methods	Offline

Track 6: Signal Processing			Session 6.2
Paper ID	Authors	Title	Online/Offline
988	Sadheedha Banu*, Sajith K	Accurate Localization using Kalman Filter Based Multisensor Fusion of GPS and Accelerometer Data	Offline
1058	Anoop K S*; Chandrathejas K K; Jerrin Thomas Panachakel; Anusha S P	Real-Time Two-Stage Detection of Indian Traffic Signboards Using YOLO11 on Jetson Orin Nano	Offline
1061	Sarika K T, Dr. A R Jayan	Approaches for Controlled / Dysarthric Speech Classification Based on Sinusoidal Model	Offline
1088	Naja M I, Sabeena Beevi K	EEG based Emotion Recognition using Uniform LBP	Offline
1498	Rohan Rajeev P, Siddarth M, Vishnu Suresh, Dr. A R Jayan	Sensor Fusion based Approach for Detection of Illegal Tree Felling	Offline

Track 7: Communication Systems	Session 7.1

Paper ID	Authors	Title	Online/Offline
128	Neetha K*,Devika V K, Kavya P Nair, Milind M V, Dr. Bobby Mathews C	Next Generation VLC: Intelligent Innovation for Rapid Data Transfer	Online
184	Dr. Vijayaraj A; Megavannan R; Abinaya S*; Allansia Febi A; Poojitha N; Nancy Lilly Maria C S	A Novel Approach to Multi-Hop Communication in Wireless Body Area Networks	Online
367	Sasmitha A; Janani M*; Tharunsarwin U G; Vasim Babu M	Hybrid Beamforming for MU-MIMO in mmWave Communication using CNN Algorithm	Online
368	Shakti A P*; Muhil J; Prasannah S K S; Vasim Babu M	An Effective Interference Cancellation System for MIMO – NOMA using Deep Learning Mechanism	Online
460	Reshma Remanan*; Titto Anujan; Vismaya Vijayan; Jeena J S	Exploring Terahertz Antenna Designs for High-Frequency Communication Applications	Online
463	Dr. Gurpreet Kaur*; Anuj Tomar; Himanshu Malik; Rahul Ranwan	mm-Wave Wearable Patch Antenna Design and Analysis for Auditory Applications	
590	VIvekananda Mukherjee*; Manabendra Maiti;Sandip Bhattacharya;Sandip Bhattacharya; Ardhendu Shekhar Biswas;Sandip Roy	Estimation of Window Frequency Around 30 GHz at Various Tropical Locations in India using Machine Learning Techniques	Online

Track 8: Artificial Intelligence and Machine Learning			Session 8.1
Paper ID	**Authors**	**Title**	**Online/Offline**
54	Anita Pisote, Satyakam Mangate, Yash Tarde,Hiba Anis Inamdar, Shubhangi Ashok Nangare, Shubhangi Ashok Nangare, Vishal Borate*	A Comparative Study of ML and NLP Models with Sentimental Analysis	Online
111	Komati Sushma,Valli Priyadharshini K,Chandrakala V,Gunasundari B, Harshini Macherla,Ranjith K,	Enhanced Bone Fracture Detection through Deep Learning-Based Multi-Scale Feature Fusion	Online
112	Katepaka Anil Kumar,Gunasundari B, Raghavendra M Ichangi,S Arun Kumar,Jeethu Philip,S Saranya,	Revolutionizing Brain Tumor Classification with Fusion-Driven Deep Learning Models	Online
146	Sanya Yadav,Nihaal ABQ; Sahnaz Parveen*; Soumya Dhanappa; Prof. Megha Menon	Ensuring Effective Detection of Currency Counterfeits Across Different Touchpoints	Online
160	Anubhav Gautam, Kalyani Paul,Anu Mehra*;	Hybrid Ensemble Neural Networks for Chess Position Evaluation	Online
171	Marala Bhavvyya Sree*; Dr.Deepa S. N.	Deep Wavelet Neural Network Model for Weed Detection in Plant Images	Online
776	Smita Rath*; Nandana Devi; Tanushree Dwibedi; Sanjanaa V Prusty; Smriti Shikha	Dandelion Optimizer with LSTM Model (DO-LSTM) for Stock Input Feature Selection for Price Forecasting	Online

Track 9: Cybersecurity and Cryptography			Session 9.1
Paper ID	**Authors**	**Title**	**Online/Offline**
466	Ashrin Kabeer*; Merlyn Parakkal; Leena Vishnu Namboothiri	Unforged Identification and Authentication for IoT Devices: Integrating Elliptic Curve Cryptography and Gait Biometrics	Offline
1066	Kalpana Samal*; Dr. Shanta Kumari Sunanda; Dr. Debasish Jena	A Novel Lightweight Privacy-Preservation Authentication Protocol for VANET Environment	Online
1203	Janvi Rajeev*; Piyoosh Purushothaman Nair	Enhancing Smartphone-Based Gait Authentication: A Comprehensive Review of Methods and the Potential of Zero-Shot Learning	Offline
643	Vaishnavi Gurav*, Jibi Abraham	Pre-Build OSS Compliance: Automated Dependency, License, and CVE Detection	Online

Day 1, 27th June '25, 4:00 - 6:00 PM

Track 1: Power and Renewable Energy Systems			Session 1.2
Paper ID	**Authors**	**Title**	**Online/ Offline**
2	Aniket P Kansara*; Jigneshkumar P Desai	A Simulation and Analysis of Volatge and Frequency Stability in Electric Vehicle Integrated Microgrid	Online
106	Geno Peter*; Albert Alexander Stonier; Samat Iderus; Harish Raghavan; C. Sakthi Gokul Rajan; A. Piragathy	A Novel Hybrid Grey Wolf Optimizer for Optimal Allocation of DG and DSTATCOM	Online
188	Geno Peter*; Vijayakumar Arun; Albert Alexander Stonier; Samat Iderus	Minimal Component Space-Saving High-Gain Inverter	Online
225	Abhinav Krishnakumar; Varsha S; Kothapalli Lalitha Vishnu Kamesh; Piyush Pratap Singh*	Design and analysis of A Novel Wind Turbine for Harnessing Wind Energy in Urban Spaces	Online
328	Roy K K, Santhosh Kumar D, Kumar P G S*	Root Cause Analysis of High Vibrations of Rewound Generator Rotor and Error Correction	Online
393	Betsy Baby*; Nithin James; K Mathew	Average Current Mode Control Of Three Phase Voltage Source Inverter With Constant Switching Frequency	Online

Track 1: Power and Renewable Energy Systems			Session 1.3
Paper ID	**Authors**	**Title**	**Online/ Offline**
420	Jagadeesh Yerramala*, Balakrishna Kethinani	Intelligent Controller-Based AT-SHAF for Power Quality Enhancement in Islanded Fuel Cell system	Online
726	Divya Prakash*; Dr. Supriyo Das	An Ensemble Classifier-based Protection Scheme for Faulty Zone Identification in DC Microgrid	Online
857	Penchalaiah T*, Harshitha A, Chaithanya T, Harikumar M, Arunsai N	Dual Fuzzy-Sugeno Controlled Grid-Forming Voltage-Source Inverter for Hybrid Wind-Solar Systems in Weak Grid Integration	Online
886	Priyadharshini P*; Sowmmiya U	Optimizing the Utilization of Potential in Wind Energy Systems using SI-FLC based MPPT	Online
923	Kishan Gadhavi*; Shefali Talati; Ajay Misra	Assessment of Distribution Generation Integration on Loss Reduction in Distribution Grids	Online
1221	Saritha M*; Manitha P V	Assessment of MPPT Algorithms for Hybrid EV Charging Systems under Partial Shading Conditions	Online

Track 6: Signal Processing			Session 6.3
Paper ID	**Authors**	**Title**	**Online/ Offline**
984	Rupali Pawar*; Prachi Mukherji	Mann-Whitney U test based Identification of Significant ECG features for Improving Accuracy of Major Depressive Disorder Classification	Online
1024	Gali Jaya Praveen*,Vaddi Radhesyam,Kolli Sai Kumar; Veeramallu Satya Sahithi;Hemanth Cheepulla;Dova Ramya	Comparative Analysis of Wavelet-Based Image Fusion Techniques for Remote Sensing Applications	Online
1044	V Naveen Kumar*; Bhanuteja Kavali; Harika Elimitla; Raghavendra Kumara	Assessing and Optimizing Deep Learning Models Performance for Drone Detection	Online
1063	Logesh B P; G S Anasuya; Nithyalakshmin G; Rohit Gupta*	Data-Driven Approach to Parkinson's Disease Detection Using SMOTE and Classifier	Online
1083	Rahila N A*,Nadera Beevi S; Amal Ashok R , Anand Prakash P, Abhishek S	Enhanced Biometric Iris Feature Extraction Using Multi-Level DWT-DCT Fusion for Robust Recognition	Online

1086	Gowri Priyaa V*;A.Rajeswari	Indian Sign Language Recognition using Weighted Motion History RGB images through modified LeNet-5	Online
1453	M S Anakha*; Nikhil M; Adersh V R	Implementation of Bilateral Filter Architecture On FPGA for Image Denoising	Online

Day 2, 28th June '25, 9:00 - 11:00 AM

Track 1: Power and Renewable Energy Systems			Session 1.4
Paper ID	Authors	Title	Online/Offline
1433	Kaushal Pratap Sengar*, Kandasamy Chandrasekaran	Modeling the Effect of Soil Ionization on Grounding System Dynamics during Transient Events	Online
1465	Devakirubakaran S*; Umashankar Subramaniam	Comparative Analysis of PV Array Reconfiguration Methods under Realistic Partial Shading Conditions	Online
1467	Venkatesh G*; K R M Vijaya Chandrakala, Poonam Kumari; Saravanan S; Balamurugan S; Ratheesh P	Optimized Surface Mounted Permanent Magnet Starter-Generator Configurations Suitability Towards Electric Aircraft Applications	Online
1491	Logeshwaran E; Madanika M*; Manoj N; Mourish Nithin G S; Myleshwaran K S; Saravanan S	Optimal PV Array Reconfiguration for Maximum Power Harvest Using Levy Arithmetic Algorithm	Online

Track 2: Electric Drives and Power Converters			Session 2.2
Paper ID	Authors	Title	Online/Offline
353	Anupama R*; Dr. Sujith S; Dr. Gireesh v Puthussery; Priya S	Implementation of Redundant Vector Selector Logic of SVPWM for DC Link Balancing in Three-Phase Three-Level Neutral Point Clamped Multilevel Inverter	Offline
391	Vaishnav K A*; Dr. Gireesh V Puthussery; Dr. Sujith S; Priya S	Optimized PSO-Based Boost Converter Fed Modular Multilevel Converter (MMC) for PV Applications	Offline
1212	Sherin Shahana N K*, Sreekumar C	Bridgeless Buck-Boost Converter for Power Factor Correction in an Isolated Cuk Converter Driven EV charger	Offline
1224	Sudina P*; Anjali Anand K	Performance Assessment of a PV-fed Double Boost Nine Level Inverter With Optimized Switch Count	Offline
1461	Irshana M*; Vijayasree G	A Multiport Bidirectional DC-DC Converter For Electric Vehicle Applications	Offline
1493	Athulya A P*, Shahin M	Performance Analysis of AQSG Controller Based Two-stage Bidirectional AC–DC Converter in LEVs	Offline

Track 2: Electric Drives and Power Converters			Session 2.3
Paper ID	Authors	Title	Online/Offline
64	Samat Iderus; Vijayakumar Arun; Albert Alexander Stonier, Geno Peter*	Level Shifted PWM Control for Switched Capacitor-Based Boost Inverter	Online
220	Koushik M*; Sunil Naik; Tukaram Moger; Debashisha Jena	Compact Single-Inductor Dual-Input Boost Converter Design for EV Applications	Online
1456	Akhil Mohan H*; Asha C A; Preetha P K	Regenerative Braking System Analysis and its Impact on the Growth of Electric Vehicles	Online

Track 3: Sensors, Instrumentation and Automation Systems			Session 3.1
Paper ID	Authors	Title	Online/Offline
1056	Seena R*; Shiny Paul; Sudheer V R	Performance Analysis of Fiber-Optic Sensor for Skin Cancer Detection	Offline

1075	Shilpa Saji*, Arun Kishore W C	Robust Attitude and Position Control of Quadrotor UAV	Offline
1133	Teena Rajan*, D Sukumar, Jithin Krishnan	Performance Evaluation of Knitted Fabric Based Electrodes for Wearable Applications	Offline
1141	Gopika Gireesh*; Santhakumar Mohan; Hari Kumar R; Lal Priya P S	Motion Control of Four Wheeled Omni-drive Mobile Robot	Offline
229	Sreedevi M G*; Dr.Sreeja T K; Dr. Sowmy I; Priyanka R Ravi	A Millimeter Wave Antenna Sensor for Breast Tumor Detection	Online
483	Jayalakshmi K P*, Vishnu G Nair, Dayakshini Sathish	Dynamic Coverage Path Planning for Mobile Robots: A Spanning Tree Based Approach with Real-Time Obstacle Avoidance	Online
1038	Hridya N*, Dr. Binu L S, Vivek D R	Design and Development of an Animatronic Hand with Adaptive Grasping	Online

Track 6: Signal Processing			Session 6.4
Paper ID	**Authors**	**Title**	**Online/ Offline**
1013	Deepika K*; Sindhu N; Robert Mathew; Hasna T	Early Detection of Dementia: A Machine Learning based Classification on MRI images and Insights from ECG signals	Offline
1020	Jegan Shibu*; Pardhiv Krishna; Michael Shaji; Nikhitha Eldhose; Linu Paulose	AI-Driven System for Detecting and Mapping Potholes	Offline
1070	Athira Remesh*; Chithra K R; Sinith M S	Pitch Contour Synthesis of Gamaka Using Just Intonation and Fibonacci Series based Interpolation	Offline
1092	Adithya Nair*; Viji R; Parvathy A L; Sreelatha G	CNN-GRU Based Pedestrian Trajectory Prediction for Smart Cities	Online
1107	Parvathy A L*; Viji R; Adithya Nair; Sreelatha G	Weather Adaptive Model for Autonomous Driving Using Metaheuristic Algorithms	Online

Track 6: Signal Processing			Session 6.5
Paper ID	**Authors**	**Title**	**Online/ Offline**
10	Shiva Prasad*;Ambily Balaram; Nagunuri Rajender;P Sudheer;Sneha Yerram;Sumayyam Begum	MCCLDP: Multi Class Cotton Leaf Diseases Prediction and Classification using Deep Learning Model	Online
143	Shabana S*;Prof. RencyMol M V	The Analysis of Staphylococcus aureus after Exposure to Electromagnetic,UV Radiation via Support Vector Machine	Online
447	Karthika R J*;Dr. Arun Varghese	Advancing Brain Tumor Segmentation with Optimal Data Augmentation	Online
461	Gopika Gopi*;Arun Varghese	Deep Learning for Respiratory Sound-Based Disease Classification	Online
514	Neethu T*,Dr. E. Grace Mary Kanaga	Speech Emotional Recognition using XGBoost and Deep Learning Algorithm and Multisource Datasets	Online
667	Rosalin*;Ansuman Patnaik; Debashree Brahma;Deepak Ku Rout	Adaptive Exponential Trigonometric Functional Link Neural Network-based Filter Proportionate Normalized Least-Mean-Square Algorithm	Online
945	Tatvik Shree Kartik Siriparapu*; Pallikonda Sarah Suhasini; Talabattula Syam Vara Prasad; Gochipathala Sandeep	Land Use Land Cover Change Analysis Using Satellite Images With Deep Learning Models	Online

Track 8: Artificial Intelligence and Machine Learning			Session 8.2
Paper ID	**Authors**	**Title**	**Online/ Offline**
164	Bobbi Paul, Anagha V Nair, Abhishek S, Alex Thomas, Neethu Tom, Dr. Renjith Thomas	Geo-Location Based Job Portal	Offline
397	Sreekumar A V*; Shashidhar Kasthala	Regression Based State of Charge Estimation Model of Li-ion Battery	Offline
489	Ajai V Babu*; Athul Krishna M J, Dr. Suraj Damodaran,Dr. Rekha K James,Dr. Tripti S Warrier	Efficient Robot Identification in Multi-Robot Systems: A ROS-Based YOLOv8 Implementation for Real-World Scenarios	Offline

Paper ID	Authors	Title	Online/Offline
926	Abhiram Nambiar K V; Aina George; Aleena Mathew;Sreehari R*; Deepak S	Object Detection and Classification from Sonar Underwater Images using YOLO and DETR models	Offline
1064	Sangeetha Chandran*, Santosh Kumar M B, A Sreekumar	Persistence Infused Random Walk Positional Encoding for Graph Transformers on Handwritten Character Graphs	Offline
1087	Lalu V; Praveen N R*; Sreeni K G; Shiny G	A Hybrid 1D-CNN-LSTM Model for Grid Demand Prediction and Adaptive EV Charging Management	Offline

Track 8: Artificial Intelligence and Machine Learning			Session 8.3
Paper ID	**Authors**	**Title**	**Online/ Offline**
221	Gnanapriya M A; Pranav A; Rochan Ramakrishnan; Susmitha Vekkot*; Vivek Venugopal	Summarization and Translation of NPTEL Videos into Regional Indian Languages	Online
480	Saravana M K*; Roopa M S; Arunalatha J S; Venugopal K R	A Novel Concept Drift Detection Model for Handling Evolving Patterns in Multivariate Time Series	Online
604	Kritika Bhardwaj*; Gauri Verma; Dishant Chouhan; Sumitra Sureliya; Sanchita Chourawar; Suyog Munshi	Gesture Based Live Mouse Control	Online
747	Syeda Saarah Fatema*; S R Mani Sekhar	Deep Learning Approaches for Exoplanet Detection using the Transit Method on Light Curve Data	Online
844	Aryamaan Rajesh Chaurasia; Vishal Marwade; Mandeep Singh*	Complex Aware Transformer-CNN for Refractive Index Prediction in Plasmonic Waveguide	Online
921	Mukhil R;Pavitra A.; K R M Vijaya Chandrakala*	Artificial Neural Network-Based Fuzzy Interference System for Stock Market Price Prediction for Profit Maximization	Online
1149	Gargi Venugopal*; Femiya Thomas; Anna Mariyam; Gopika V S; Anandu Krishna B S; Dr. Ancy S Anselam	Anatomically-Aware Deep Learning for Medical Imaging: Hybrid GAN-Diffusion Framework for CT Image Synthesis from MRI and PET	Online