

IIMT COLLEGE OF ENGINEERING, GREATER NOIDA

FACULTY PUBLICATION

SESSION: 2023-24

DEPARTMENT: ELECTRONICS AND COMMUNICATION ENGINEERING

S. NO.	NAME OF FACULTY	DEPARTMENT	NAME OF BOOK/CHAPTER EDITED/PUBLICATION DETAIL	MONTH/YEAR	NAME OF JOURNAL/CONFERENCE/SEMINAR
1	Dr. Gopal Krishan	ECE	Robotics In Education: Utilizing Robots As Educational Tools For STEM Learning	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
2	Mr. Surendra Kumar	ECE	Robotics In Education: Utilizing Robots As Educational Tools For STEM Learning	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
3	Ms. Arpana Mishra	ECE	Optimization For Read Range Of Low Frequency RFID System	2023	2023 International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES)
4	Ms. Priyanka Gupta	ECE	Recent Trends in Wireless and Optical Fiber Communication: A Review	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
5	Mr. Deepak Sahu	ECE	Recent Trends in Wireless and Optical Fiber Communication: A Review	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
6	Mr. Dinesh Kumar Yadav	ECE	Edge Impulse: An Edge Computing Platform For Artificial Intelligence Research	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
7	Mr. Basanta Mahato	ECE	Edge Impulse: An Edge Computing Platform For Artificial Intelligence Research	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
8	Dr. Deepak Batra	ECE	Edge Impulse: An Edge Computing Platform For Artificial Intelligence Research	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
9	Mr. Pankaj Jha	ECE	A Metamaterial Inspired Split Ring Resonator Accomplished Multiband Antenna for 5G and other Wireless Applications	2023	Electrical and Power Engineering
10	Dr. Taslima Ahmed	ECE	Modelling and simulation of HH equation of neuron for detection of certain neurological and pathological disorder	2023	INCOME 23/Springer indexed Conference
11	Mr. Dinesh Kumar Yadav	ECE	An Innovative Method for Fuel Consumption and Maintenance Cost of Heavy Duty Vehicles Based on SR-GRU-CNN Algorithm	2023	ICACRS-2023
12	Dr. Seema Nayak	ECE	Design and Analysis of a Sustainable Power System for Healthcare Centers Using Renewable Energy Sources	2023	JCUP, ISSN 1673-5005
13	Mr. Pankaj Jha	ECE	Asymmetrical CPW Fed Circularly Polarized Two Port MIMO Antenna for Satellite and Wifi 6E Communication	2023	IETE Journal Of Research / SCIE
14	Dr. Seema Nayak	ECE	Designing of Parameter of Exact and Inexact compressor based low power Multiplier	2023	AECE 2023 /IEEE Conference
15	Ms. Sheetal Nagar	ECE	Designing of parameter of exact and inexact Compressor based low power multiplier	2023	AECE 2023 /IEEE Conference
16	Mr. Surendra Kumar	ECE	Optimizing Solar Energy Harvesting	2023	International Journal of Robotics and Control Systems
17	Mrs. Sandhya Bharadwaj	ECE	IoT Based Environment Monitoring System	2024	Mukthshabd Journal

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1	DR. SEEMA NAYAK	ECE	A design and investigation inexact compressor based on low power multiplier	2023	Journal of circuits, System and Computers
2	DR. SEEMA NAYAK	ECE	Special Vehicle Like Ambulance Recognition and Security System Using Mobility Accredited System	2023	Technology innovations and AI technology in healthcare
3	DR. SEEMA NAYAK	ECE	Design, simulation and comparative analysis of carbon nanotube based energy efficient priority encoders for nanoelectronic applications	2023	E-Prime-Advances in electrical engineering, electronics and energy
4	DR. SEEMA NAYAK	ECE	Bifurcation of sodium and potassium conductance for detection of some neurological disorder	2023	IEEE International Conference on Disruptive Technologies (ICDT-2023)
5	DR. SEEMA NAYAK	ECE	A Comprehensive Review of MPPT Techniques Based On ML Applicable for Maximum Power in Solar Power Systems	2023	Journal of Renewable Energy and Environment (JREE)
6	DR. TASLIMA AHMED	ECE	Bifurcation of sodium and potassium conductance for detection of some neurological disorder	2023	IEEE International Conference on Disruptive Technologies (ICDT-2023)
7	DR. TASLIMA AHMED	ECE	A Comprehensive study on conventional HPPT techniques for solar PV system	2023	Computational intelligence, communication technology and networking
8	MS. SHEETAL NAGAR	ECE	A design and investigation inexact compressor based on low power multiplier	2023	Journal of circuits, System and Computers
9	DR. NAVEEN RATHEE	ECE	Design, and implementation of detecting non-stationary object using raspberry-PI and smart IP camera	2023	Semiconductor Optoelectronics
10	DR. NAVEEN RATHEE	ECE	Smart Health Monitoring System with Wireless Networks to Detect Kidney Diseases	2022	Computational Intelligence and Neuroscience,
11	DR. NAVEEN RATHEE	ECE	Intelligent Networking Model to Identify Optimal Path in Supply Chain Management for Cold Chain Logistics to Hospital Industry;	2022	Emerging Trends in Mechanical and Industrial Engineering; Proceeding of ICETMIE
12	DR. NAVEEN RATHEE	ECE	An Efficient IoT based Novel Design for Home Automation Using Node MCU Controller	2022	3rd International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2022)
13	DR. NAVEEN RATHEE	ECE	AN EFFICIENT NOVEL ARCHITECTURE FOR SURVEILLANCE SYSTEM USING INTERNET OF THINGS	2023	Semiconductor optoelectronics
14	DR. DEEPAK BATRA	ECE	Edge Impulse: An Edge Computing Platform for Artificial Intelligence Research	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
15	MR. BASANTA MAHATO	ECE	Edge Impulse: An Edge Computing Platform for Artificial Intelligence Research	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
16	MR. DINESH KUMAR YADAV	ECE	Edge Impulse: An Edge Computing Platform for Artificial Intelligence Research	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
17	MR. PANKAJ JHA	ECE	Four Element Pattern Diversity MIMO antenna with Parasitic Decoupling structure and SRR WLAN notch for UWB application	13-14 Oct 2022	2022 10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)
18	MR. PANKAJ JHA	ECE	Circularly Polarized Triangular-shaped Antenna and modified Inclined-shaped defected ground for Fixed Satellite Communication Applications	27-29 January 2023	International Conference on Artificial Intelligence and Smart Communication (AISC-2023)
19	MR. PANKAJ JHA	ECE	Parasitic and Open slot-based Circular polarized Two-port Antenna for ISM applications	27-29 January 2023	International Conference on Artificial Intelligence and Smart Communication (AISC-2023)

20	MR. PANKAJ JHA	ECE	Miniaturized Two-element MIMO Antenna with neutralization line and an asymmetric open slot for WLAN and IOT applications	27-29 Jan 2023	International Conference on Artificial Intelligence and Smart Communication (AISC-2023)
21	MR. PANKAJ JHA	ECE	A METAMATERIAL INSPIRED SRR ACCOMPLISHED MULTIBAND ANTENNA FOR 5G AND OTHER WIRELESS APPLICATIONS".	07 April 2023	REVUE ROUMAINE DES SCIENCES TECHNIQUES
22	MR. PANKAJ JHA	ECE	CSRR Loaded compact textile antenna with defected ground for wearable 5G and wi-fi 6E application	2023	2nd International conference on the paradigm shifts in communication embedded system, machine learning and signal processing (PEMS 2023)
23	MR. PRASHANT KUMAR MAVI	ECE	Comparative Analysis of Dual-edge Triggered and Sense Amplifier Based Flip-flops in 32 nm CMOS Regime	2023	2023 IEEE 2nd International Conference on Advances in Power, Signal and Information Technology APSIT-2023 Conference
24	MR. PRASHANT KUMAR MAVI	ECE	A COMPARATIVE STUDY IN WIRELESS SENSOR NETWORKS WITH INTERNET OF THINGS	2022-23	Journal of East China University of Science and Technology
25	MS. ZAIBA ISHRAT	ECE	Comparative Analysis of Dual-edge Triggered and Sense Amplifier Based Flip-flops in 32 nm CMOS Regime	2023	2023 IEEE 2nd International Conference on Advances in Power, Signal and Information Technology APSIT-2023 Conference
26	MS. ZAIBA ISHRAT	ECE	Performance Evaluation of Pulse Triggered Flip-Flops in 32 nm CMOS Regime	2023	2nd International Conference on applied artificial intelligence and computing (ICAIC 2023) organized by Narasu's Sarathy Institute of Technology Sale, India on 4-6, May 2023
27	MS. ZAIBA ISHRAT	ECE	A Comprehensive study on conventional HPPT techniques for solar PV system	2023	Computational intelligence, communication technology and networking
28	MS. ZAIBA ISHRAT	ECE	A Comprehensive Review of MPPT Techniques Based On ML Applicable for Maximum Power in Solar Power Systems	2023	Journal of Renewable Energy and Environment (JREE)
29	MR. DEEPAK SAHU	ECE	Behavioral comparison of two phase interleaved & cascaded boost converter topology	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
30	MS. PRIYANKA GUPTA	ECE	Behavioral comparison of two phase interleaved & cascaded boost converter topology	2023	International Journal of All Research Education and Scientific Methods (IJARESM)
31	MS. ARPANA MISHRA	ECE	A COMPARATIVE STUDY IN WIRELESS SENSOR NETWORKS WITH INTERNET OF THINGS	2022-23	National Conference (AICTE Sponsored)
32	MS. ARPANA MISHRA	ECE	Internet Traffic Dynamics in Wireless Sensor Networks Based on Energy Efficiency with Routing Protocols	2022	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING
33	MS. ARPANA MISHRA	ECE	Electronics Epidermal Tattoo – An overview	2023	2023 International Conference on Artificial Intelligence and Smart Communication (AISC)
34	MS. ARPANA MISHRA	ECE	Optimization for Read Range of Low Frequency RFID System	21-Jul-23	2023 International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES)
35	MR. SURENDRA KUMAR	ECE	Effect of wireless technology on health	Nov. 2022	AICTE Sponsored National Conference on Emerging trends in Engineering, Science and Management
36	MR. SURENDRA KUMAR	ECE	Robotics in Education: Utilizing Robots as Educational	07-Jul-23	International Journal of All Research Education and Scientific Methods (IJARESM),
37	DR. GOPAL KRISHAN	ECE	Robotics in Education: Utilizing Robots as Educational	07-Jul-23	International Journal of All Research Education and Scientific Methods (IJARESM),
38	DR. GOPAL KRISHAN	ECE	Tools for STEM Learning	Nov. 2022	National Conference on Emerging Trends in Engineering, Science and Management-2022, National Conference (AICTE Sponsored)
39	MS. SANDHYA BHARDWAJ	ECE	A COMPARATIVE STUDY IN WIRELESS SENSOR NETWORKS WITH INTERNET OF THINGS	2022-23	Journal of East China University of Science and Technology
40	MS. SANDHYA BHARDWAJ	ECE	Arduino based vibration sensor accident detection and SMS alerts	Jun-23	PUBLISHED , SPECTRUM OF EMERGING SCIENCES
41	DR. GOPAL KRISHAN	ECE	Automatic Floor Cleaning Machine	Jun-23	International Journal of Multidisciplinary Research and Technology

42	DR. SEEMA NAYAK	ECE	Detection of Microparticles through LoRa Module	Jun-23	PUBLISHED , SPECTRUM OF EMERGING SCIENCES
43	MS. ZAIBA ISHRAT	ECE	Maximum Power Point Tracking Charge Controller for photo-voltaic system	Jun-23	International Journal of Multidisciplinary Research and Technology
44	DR. SEEMA NAYAK	ECE	Smart Library Management System	Jun-23	PUBLISHED , SPECTRUM OF EMERGING SCIENCES
45	DR. TASLIMA AHMED	ECE	Temparature and Class Attendance Display Digital Wall Clock	Jun-23	PUBLISHED , SPECTRUM OF EMERGING SCIENCES
46	MR. BASANTA MAHATO	ECE	The Importance and Challenges of Sign Language Translator	Jun-23	PUBLISHED , SPECTRUM OF EMERGING SCIENCES
47	MR. BASANTA MAHATO	ECE	Smartcooling Mask With Real-Time Human Immunity Detection Level	23 & 24 June 2023	Emerging Technologies in Healththcare: A new Tomorrow
48	DR. SEEMA NAYAK	ECE	Smartcooling Mask With Real-Time Human Immunity Detection Level	23 & 24 June 2023	Emerging Technologies in Healththcare: A new Tomorrow