MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi

NAAC Accredited with A+ Grade, NIRF India Rankings 2021 - Band: 201-250 (Engg.)

NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA

Paper Publications

The faculties who have published papers in various International Journals during the academic year 2022-2023 are listed below**:**

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
				July 2022 – June 2023				
				Journals				
1.	Soumya Ranjan Mahapatro and Bidyadhar Subudhi	Disturbance rejection–based robust decentralized controller design for a multivariable system	Transactions of the Institute of Measurement and Control	Aug-22	45(4) 620-636	https://doi.org/10.1177/01423312221114348	SAGE	SCIE
2.	A. Prasanth, Selamawit Getachew, Tseganesh Shewa, M. Velumani,S. R. Meher and Z. C. Alex	A Bilayer SnO2/MoS2-Coated Evanescent Wave Fiber Optic Sensor for Acetone Detection—An Experimental Study	Biosensors	Sep-22	12(9) 734	https://doi.org/10.3390/bios12090734	MDPI	SCIE
3.	Abhinav Adarsh, Shashwat Pathak, Digvijay Singh Chauhan & Basant Kumar	Low-latency and High-Reliability FBMC Modulation scheme using Optimized Filter design for enabling NextG Real-time Smart Healthcare Applications	The Journal of Supercomputing	Sep-22	79 (3643–3665)	https://doi.org/10.1007/s11227-022-04799-4	SpringerLink	SCIE
4.	Sharma, Preeti,	MIMO Antennas: Design	Sensors	Oct-22	22(20)	https://doi.org/10	MDPI	SCIE

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
	Rakesh N. Tiwari, Prabhakar Singh, Pradeep Kumar, and Binod K. Kanaujia	Approaches, Techniques and Applications			7813	.3390/s22207813		
5.	Balu Ashvanth	A tunable frequency selective surface integrated high isolation MIMO antenna for THz applications	Engineering Research Express	Oct-22	4(4) 045001	https://doi.org/10.1088/2631-8695/ac92c6	IOP Science	Scopus
6.	Nehru Kandasamy, Nagarjuna Telagam & K. Chitra	Design of novel low power architectures of 4:2, 5:2 compressors and 2-bit counter using 7 nm FinFET technology	Journal of Ambient Intelligence and Humanized Computing	Dec-22	14 (2467–2479)	https://doi.org/10.1007/s12652-022-04498-1	SpringerLink	SCIE
7.	Janmoni Borah, Tasher Ali Sheikh, Joyatri Bora	Dynamic cell sleeping mechanism: An energy-efficient approach for Mobile 5G HetCN	International Journal of Communication Systems	Dec-22	36(5) e5422	https://doi.org/10.1002/dac.5422	Wiley	SCIE
8.	Tasher Ali Sheikh, Settyvari Deekshitha, Neerugatti Shalini, Puliyalam Indira, Subramaniam Rajasekaran and Janmoni Borah	Capacity Maximization in Cell Free Massive MIMO Network with Access Point Selection Method	International Journal of Sensors, Wireless Communications and Control	Jan-23	12(9) (661 - 668)	http://dx.doi.org/10.2174/2210327913666221222145957	Bentham Science	Scopus
9.	Nagarjuna Telagam, Nehru Kandasamy, Somanaidu U	Smart Device for Women's Safety Designed Using IoT and Virtual Instrumentation Browser	International Journal of Interactive Mobile Technologies	Jan-23	17(2)	https://doi.org/10.3991/ijim.v17i02.35227	International Federation of Engineerin	Scopus

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
							g Education Societies	
10.	Devashish Jha and Saket Saurabh	NACA2412 airfoil based method for design and aerodynamic analysis of small HAWT using modified BEM approach	Science and Technology for Energy Transition	Feb-23	78(2) (1-11)	https://doi.org/10.2516/stet/2022023	IFP Energies nouvelles	SCIE
11.	Rakesh Nath Tiwari; Vikrant Kaim; Prabhakar Singh; Taimoor Khan; Binod Kumar Kanaujia	Semi-Flexible Diversified Circularly Polarized Millimeter-Wave MIMO Antenna for Wearable Biotechnologies	IEEE Transactions on Antennas and Propagation	Mar-23	71(5) (3968-3982)	https://doi.org/10.1109/TAP.2023.3255507	IEEE	SCIE
12.	Janmoni Borah, Smriti Baruah, Soumi Das & Debarun Biswas	Analysis of Massive MIMO and Small Cells based 5G Cellular Networks: Simulative Approach	Radioelectronics and Communications Systems	Mar-23	65 (284–292)	https://doi.org/10.3103/S0735272722060024	SpringerLink	SCIE
13.	Tasher Ali Sheikh*, Yannabhathala Rasagnya, Valipi Rajesh, Devarenti Salman Raju and Subramamiam Rajasekaran	Power Minimization in Cell-Free Massive MIMO with AP Selection Algorithm	International Journal of Sensors, Wireless Communications and Control	Apr-23	13(1) (2-8)	http://dx.doi.org/10.2174/221032791366623031412645	Bentham Science	Scopus
14.	Nishant Sharan, S. K. Ghorai & Ajit Kumar	Alleviating LED Nonlinearity in a HACO System Using a Blend of Precoder and a $\mu\mu$-Law	Wireless Personal Communications	Apr-23	131 (1149–1165)	https://doi.org/10.1007/s11277-023-10474-5	Springer	SCIE

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
		Compander						
15.	Sritama Roy, N. Tripathy, D. Pradhan, P. K. Sahu & J. P. Kar	Investigation of Switching Behavior of ZnO/TiO2 Multilayer Configurations	Journal of Electronic Materials	Apr-23	52 (4239–4246)	https://doi.org/10.1007/s11664-023-10383-0	SpringerLink	SCIE
16.	J Avanija, K E Naresh Kumar, Ch Usha Kumari, G Naga Jyothi, K Srujan Raju & K Reddy Madhavi	Enhancing Network Forensic and Deep Learning Mechanism for Internet of Things Networks	Journal of Scientific & Industrial Research	May-23	82(5) (522-528)	http://dx.doi.org/10.56042/jsir.v82i05.1084	(CSIR-NIScPR)	Scopus
17.	Karthik Reddy.R, Nithin.D, Narendra.P. B, Kamesh.M	Design of a Dual Band Metamaterial Absorber	International Journal of Emerging Trends in Engineering Research	May-23	11(5) (181-184)	https://doi.org/10.30534/ijeter/2023/111152023	WARSE	Scopus
Book Chapters								
1.	Sritama Roy, P. K. Sahu, D. Pradhan, N. Tripathy & J. P. Kar	Resistive Switching Behavior of TiO2 Nanostructures Grown by Dip Coating Process	Mechanisms and Machine Science	Oct-23	9.781E+12	http://dx.doi.org/10.1201/9781003366249-12	Taylor & Francis	Scopus
2.	Nagarjuna Telagam, Nehru Kandasamy, D. Ajitha	Smart Healthcare Monitoring System Using LoRaWAN IoT and Machine Learning Methods	Practical Artificial Intelligence for Internet of Medical Things	Oct-23	9.781E+12	http://dx.doi.org/10.1201/9781003366249-2	Taylor & Francis	Scopus
3.	Ajit Kumar, Nishant Sharan, S. K. Ghorai	Visible Light Communications: Applications and Research Advances	Electronics and Telecommunications Research	Feb-24	1116 (499–509)	https://doi.org/10.1007/978-981-99-8646-0_39	Springer	Scopus

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
4.	Nagarjuna Telagam, Nehru Kandasamy	Classification of Melanoma Skin Cancer Based on Transformer Deep Learning Model	Ecological and Evolutionary Perspectives on Infections and Morbidity	Mar-24	xx	https://www.infoagepub.com/products/Innovations-in-Computational-Intelligence-Big-Data-Analytics-and-Internet-of-Things	Information Age Publishing	Scopus
Conferences								
1.	Deepak Agrawal; Sudhanshu Maheshwari	High Performance Current-Mode Four Quadrant Analog Multiplier Circuit	International Conference on Multimedia, Signal Processing and Communication Technologies	Feb-23	(1-4)	https://doi.org/10.1109/IMPACT55510.2022.10029193	IEEE	Scopus
2.	A. Prasanth; M. Velumani; S. Narasimman; Z.C. Alex	Lossy Mode Resonance based Optical Fiber Sensor using Polyvinylpyrrolidone/Chitosan composite for identification of Cadmium ions in water	IEEE Applied Sensing Conference (APSCON)	Apr-23	(1-3)	https://doi.org/10.1109/APSCON56343.2023.10101207	IEEE	Scopus
3.	Shaik Uzma; Kutakula Tanusha; Attuluri Tarun; S. Rajasekaran; Soumya Ranjan Mahapatro	Multi-loop Control Design for Two Input Two Output System: A Disturbance Observer Approach	International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence	May-23	(1-4)	https://doi.org/10.1109/RAEEUCCI57140.2023.10134280	IEEE	Scopus
4.	Debashish Pal; V. Sravani; D.S	Design of an Efficient Routing Technique based	International Conference on	May-23	(1-5)	https://doi.org/10.1109/RAEEUC	IEEE	Scopus

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
	Sneha; M. Rajesh	on Clustering	Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence (RAEEUCCI)			CI57140.2023.10133940		
5.	N. Aparna; L. Bhavana; S. Arun Kumar Naidu; Bikash Ranjan Behera; Debashish Pal	Analysis of CP Characteristics By Gain-Bandwidth Product for Metasurface-Based Monopole Antenna	International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence (RAEEUCCI)	May-23	(1-5)	https://doi.org/10.1109/RAEEUCCI57140.2023.10134124	IEEE	Scopus
6.	Y. Jhansi; P. Poojitha; D. Mahigeethika; Bikash Ranjan Behera; Debashish Pal	Investigation of a FSS Inspired Printed Monopole Antenna with Gain Enhancement for 5G Applications	International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence	May-23	(1-4)	https://doi.org/10.1109/RAEEUCCI57140.2023.10134360	IEEE	Scopus
7.	D. S. Sneha; M. Rajesh; V. Sravani; Bikash Ranjan Behera; Debashish Pal	Non-Uniform Metasurface-Based Microstrip Patch Antenna With Bandwidth and Gain Enhancement for Wireless Applications	International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication,	May-23	(1-4)	https://doi.org/10.1109/RAEEUCCI57140.2023.10134291	IEEE	Scopus

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
			and Computational Intelligence (RAEEUCCI)					
8.	G. Prasanth Reddy; G. Manoj; V. Purna Chandra Rao; Bikash Ranjan Behera	A Design Methodology for Optimization of Printed Antenna Based on AI-Driven SADEA Technique	International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence (RAEEUCCI)	May-23	(1-4)	https://doi.org/10.1109/RAEEUCCI57140.2023.10134119	IEEE	Scopus
9.	Dhruba Jyoti Bora	A study of the characteristics of Skin Impedance Models based on the simulation of models	IEEE International Conference for Convergence in Technology (I2CT)	May-23	(1-5)	https://doi.org/10.1109/I2CT57861.2023.10126190	IEEE	Scopus
10.	D. Sravani; G. Sai Jayasri; G. Pravallika; Bikash Ranjan Behera; Soumya Ranjan Mahapatro	Exploration of Metalens Towards the Enhancement of Antenna Performances	International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE)	Jun-23	(1-6)	https://doi.org/10.1109/ICDCECE57866.2023.10150754	IEEE	Scopus
11.	K. R. Achu Govind; Subhasish Mahapatra; Soumya Ranjan Mahapatro	A Comparative Analysis of Various Decoupling Techniques Using Frequency Domain Specifications	International conference on Artificial Intelligence and Signal Processing (AISP)	Jun-23	(1-6)	https://doi.org/10.1109/AISP57993.2023.10134786	IEEE	Scopus
12.	Mooni Rahul, Velidandla	Power Aware 10T Static Random-Access Memory	International Conference on	Jun-23	(1-5)	https://doi.org/10.1109/vitecon581	IEEE	Scopus

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
	Vaishnavi, Kasthuri Vyshnavi, Chandramauleshwar Roy	Design	Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN)			11.2023.10157217		
13.	Raju Patel; A Rakesh Babu; K Sunanda; C Sai Charan Kumar; Abhinav Adarsh	Designing of image enhancement technique for contrast and color improvement based on haze removal of underwater images	International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN)	Jun-23	(1-6)	https://doi.org/10.1109/ViTECoN58111.2023.10157761	IEEE	Scopus
14.	Raju Patel; A Rakesh Babu; K Sunanda; C Sai Charan Kumar; S. K. Tripathi	Developing an image strengthening method for improving the contrast and colours of underwater photographs focused on haze removal	International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN)	Jun-23	(1-6)	https://doi.org/10.1109/ViTECoN58111.2023.10156943	IEEE	Scopus
15.	K R Dinakar; P Dileep Reddy; B Gowthami; S. K. Tripathi; Raju Patel	Design of CMOS Low Noise Amplifier Using 180NM Current Conveyor	International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN)	Jun-23	(1-5)	https://doi.org/10.1109/ViTECoN58111.2023.10157438	IEEE	Scopus

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
16.	Sudhanshu Maheshwari; Deepak Agrawal	Switched-Capacitor Phase Shifter Circuit with High Input Impedance and Grounded Capacitors	International Conference on Computational Intelligence, Communication Technology and Networking (CICTN)	Jun-23	(202-205)	https://doi.org/10.1109/CICTN57981.2023.10141213	IEEE	Scopus
17.	K. Sreelekha; S. Sreekar; C. Sai Sudeep; Bikash Ranjan Behera	Metasurface Superstrate Towards The Enhancement of Antenna Performances for RF Energy Harvesting	International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN)	Jun-23	(1-5)	https://doi.org/10.1109/ViTECoN58111.2023.10157590	IEEE	Scopus
18.	Gutti Naga Swetha; K. Bharath; B. Ganesh; P. Narasimhulu	Avoiding Dynamic Time Error by Implementing Prediction Logic	International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN)	Jun-23	(1-6)	https://doi.org/10.1109/ViTECoN58111.2023.10157358	IEEE	Scopus
19.	Irfan Basha S; Hemanth P; Adikesava Naidu G; Chandramauleshwar Roy	Design of High Noise Tolerant Single-Bit Line 8T SRAM Cell	International Conference on Advances in Electronics, Communication, Computing and Intelligent Information Systems (ICAECIS)	Jul-23	(363-367)	https://doi.org/10.1109/ICAECIS58353.2023.10170595	IEEE	Scopus
20.	K. Sreelekha; C.	Compact & Efficient	International	Jul-23	(1-6)	https://doi.org/10	IEEE	Scopus

S. No.	Name of the Authors	Title of the paper	Name of Journals/ Book	Month/ Year	Vol. No./ Issue No./ Page No.	DOI/ISSN	Publisher	Indexing
	Sai Sudeep; S. Sreekar; Bikash Ranjan Behera	Monopole Antenna Designs Based on AI-Driven EM Optimization Techniques	Conference on Artificial Intelligence and Applications (ICAIA) Alliance Technology Conference (ATCON-1)			.1109/ICAIA573 70.2023.1016941 3		

List of Faculties who have successfully completed Mooc's Courses (FDPs)

The faculties who have successfully completed Swayam NPTEL courses as faculty development programme during the academic year 2022-2023 are listed below:

Academic Year: 2022-23   **Faculty NPTEL Course Certified List (July – December 2022)**

S.No.	Faculty Name	July - Dec 2022 Course Title	No. of Weeks	% of Marks	Certificate Type
1	Dr. P. Ramanathan	Learning Analytics Tools	12	82	Elite+Silver
2	Dr. K. Sathesh	Ethics in Engineering Practice	8	57	Successfully Completed
3	Dr. Prashant Upadhyay	Introduction to Research	8	75	Elite+Silver
4	Dr. Chandramauleshwar Roy	Digital Circuits	12	57	Successfully Completed
5	Dr. Veeraiyah Thangasamy	Digital Circuits	12	64	Elite
6	Dr. Shailendra Tripathi	Introduction to Research	8	75	Elite+Silver
7	Dr. B. Ashvanth	Semiconductor Devices and Circuits	12	65	Elite
8	Dr. Deepak Kumar Agrawal	VLSI Interconnects	8	56	Successfully Completed

9	Dr. Debashish Pal	Control systems	12	55	Successfully Completed
10	Dr. Sarfraz Hussain	System Design Through VERILOG(8)	8	81	Elite+Silver
11	Dr. Dhruba Jyoti Bora	Control engineering	12	62	Elite
12	Dr. Janmoni Borah	Introduction to Wireless and Cellular Communications	12	71	Elite
13	Dr. C Kumar	Digital Circuits	12	58	Successfully Completed
14	Dr. Velumani Mohan	1.Semiconductor Devices and Circuits 2. Introduction to Research	12 8	87 61	Elite Elite+Silver+ 2%Topper
15	Dr. Raj Kumar	Introduction to Research	8	79	Elite+Silver
16	Dr. Abhinav Adarsh	Introduction to Research	8	77	Elite+Silver
17	Dr. Smriti Baruah	Introduction to Semiconductor Devices	12	83	Elite+Silver
18	Mr. T. Manivannan	Introduction to Research	8	62	Elite
19	Mr. M. Vamsi Krishna	Digital Image Processing	12	70	Elite

S.No.	Faculty Name	Course Title	No. of Weeks	% of Marks	Certificate Type
20	Mr. Sunil Kumar	Introduction to Research	8	57	Successfully Completed
21	Mr. B. Subbarayudu	Introduction to IOT	12	73	Elite
22	Mr. M. Kamesh	Introduction to Research	8	57	Successfully Completed
23	Mr. Kashiraj Vitthal Kalshetti	Introduction To Internet Of Things	12	61	Elite

Academic Year: 2022-23   Faculty NPTEL Course Certified List (January - April 2023)

S.No.	Faculty Name	January - April 2023 Course Title	No. of Weeks	% of Marks	Certificate Type
1	Dr. Nehru Kandasamy	Digital Electronic Circuits	12	61	Elite
2	Dr. Raj Kumar	Python for Data Science	4	60	Elite
3	Ms. Shaik Ayesha Tanveer	Computer Networks And Internet Protocol	12	91	1% Topper
4	Dr. Deepak Kumar Agrawal	Computer Networks And Internet Protocol	12	69	Elite
5	Dr. G. Reddy Hemantha	Computer Networks And Internet Protocol	12	79	5% Topper
6	Dr. Shailendra Kumar Tripathi	Computer Networks And Internet Protocol	12	64	Elite
7	Dr. Rakesh Nath Tiwari	Introduction to Internet of Things	12	64	Elite

8	Dr. Nishant Sharan	Principles of Signals and Systems	12	72	Elite
9	Dr. G NagaJyothi	CMOS Digital VLSI Design	12	62	Elite
10	Dr. Velumani M	Communication Networks	12	85	1% Topper
11	Dr. Velumani M	Sensors and Actuators	12	72	Elite
12	Dr. Sritama Roy	Python for Data Science	4	54	Successfully Completed
13	Mr. T Manivannan	Microprocessors and Microcontrollers	12	60	Elite
14	Mr. E Sathiyanarayanan	Microprocessors and Microcontrollers	12	53	Successfully Completed
15	Ms. Anbarasi K	Communication Networks	12	83	5% Topper
16	Dr Kumar C	Communication Networks	12	72	Elite
17	Mr. Kamesh M	Communication Networks	12	66	Elite
18	Dr Kumar C	Digital Circuits	12	58	Successfully Completed
19	Mr. Kashiraj Vittial Kalshetti	Embedded Systems Design	12	58	Elite
20	Mr. Sunil Kumar	Signal Processing Techniques and its Applications	12	62	Elite
21	Mr. Vamsi Krishna M	Industrial Automation and Control	12	51	Successfully Completed
22	Mr. Subbarao G	Signals and Systems	12	61	Elite
23	Mr. Subbaayudu B	Embedded Systems Design	12	57	Successfully Completed
24	Karthick B	Microprocessors and Interfacing	12	56	Successfully Completed
25	Karthick B	Introduction to Research	8	63	Elite

List of Faculties who are among top 1%/2%/5% in Swayam NPTEL courses (FDPs)

The faculties who are among top 1%/2%/5% in Swayam NPTEL courses (Faculty Development Programme) during the academic year 2022-2023 are listed below:

S.No.	Academic Year	Name of the Faculty Member	Name of the NPTEL Course	Topper (1 % / 2% / 5 %)
1	July – Dec 2022	Dr. Rekib Uddin Ahmed	Introduction to Semiconductor Devices	Topper of 5% in this course
2		Dr. Velumani M	Introduction to Research	Topper of 2% in this course
3	Jan - April 2023	Shaik Ayesha Tanveer	Computer Networks And Internet Protocol	Topper of 1% in this course
4		Dr. G Reddy Hemantha	Computer Networks And Internet Protocol	Topper of 5% in this course
5		Anbarasi K	Communication Networks	Topper of 1% in this course
6		Dr. Velumani M	Communication Networks	Topper of 1% in this course

List of Workshops organized

The list of workshops conducted in the academic year 2022-2023 along with the event details is mentioned in the table below:

S. No	Name of event	Event date	Convener/ coordinator	Speaker details
1.	Two days National Level Technical Training Programe on Understanding of Routing and Switching Concepts in Data Communication and Networking Using Cisco Packet Tracer	14.10.2022 & 15.10.2022	Dr. Kumar C AP/ECE	1. **Dr V JAYAPRAKASAN** Treasurer (Interim), IEEE Hyderabad Section, Cisco CCNA Trained Instructor Professor/ECE, SNIST, Hyderabad. 2. **Mr. TAMIL KUMARAN** Project Manager & Network Lead, CSS-COPR, Chennai 3. **Mr. B.S ANANTH** Technical Manager - India and SAARC, ANZ, Japan and Korea Cisco Networking Academy, Cisco Systems, Bangalore
2.	Skills needed for Radio Jockeys & Content Creation	01-12-2022 to 03-12-2022	Dr K.Sathesh, Assoc Professor, ECE	1. **Dr R. A. PADMANABHA RAO,** Rtd. Additional DG Doordarshan, Delhi. 2. **Smt. K. SAILAJA,** Academic Director, Edify Educational Institutions. Hyderabad

List of Guest Lectures and Seminars

The list of Guest lectures and seminars conducted in the academic year 2022-2023 along with the event details is mentioned in the table below:

Sl. No.	Name of event	Event date	Convener/ coordinator	Speaker details
1	Opportunities in Europe	07.09.2022	Dr. Shailendra Tripathi AP/ECE	**Dr. Vladimir Kulish,** Visiting Professor at Czech Technical University, Prague, Czech Republic
2	Inauguration of MITS Cisco Academy	03.11.2022	Dr. Kumar C AP/ECE	1. **Mr. ANURAG SRIVASTAVA** India CSR Lead, Corporate Affairs, Cisco Systems India Pvt Ltd, Bangalore 2. **Mr. ISHVINDER SINGH** India Lead, Corporate Affairs, Cisco Systems India Pvt Ltd, Bangalore 3. **RAM GOWTAM SEELAM** Head- Partnerships, EdCreate Foundation Bangalore
3.	Art of FPGA Design for Next-Generation Technologies	19.11.2022	Dr. Raju Patel, Sr. Asst. Prof /ECE	**Dr GAURAV PUROHIT** Senior Scientist, CSIR-CEERI, Pilani
4	Entrepreneurship opportunities in VLSI	03.12.2022	Mr. Ramesh E Assistant Professor / ECE	**Dr R ASHOK KUMAR REDDY** Correspondent, Tadipatri Engineering College
5	Latest Trends in SOC	03.12.2022	Mr. Ramesh E Assistant Professor / ECE	**Dr E LAKSHMI PRASAD** Technical Manager, Tessolve Semiconductors Pvt Limited
6	One-day Seminar on Telehealth technology – A new horizon in health care	13.12.2022	Dr. Nehru Kandaswamy, Professor / ECE Dr. Kumar C Assistant Professor / ECE	**Dr T.M. INBAMALAR** Professor, Department of ECE R.M.K College of Engineering and Technology Chennai

7	One day seminar on Solar Powered Electric Vehicle	16.12.2022	Dr. Nehru Kandasamy, Professor/ECE Mrs. Anbarasi K Asst. Professor /ECE	**Dr. NISHANT KUMAR,** Assistant Professor, Department of Electrical Engineering, IIT, Jodhpur
8	One day Seminar on Multi Gate Devices for VLSI Design	20.12.2022	Dr. Nehru Kandasamy, Professor/ECE Dr. Sarfraz Hussain Assistant Professor / ECE	**Dr. BALWINDER RAJ,** Associate Professor, Department of Electronics and Communication, NITTTR Chandigarh.
9	One-day Expert Talk on Integrated Photonic Devices for Optical Communication and Interconnects	27.12.2022	Dr. Satrughan Kumar, Professor/ECE Dr. C. Kumar, Assistant Professor/ECE	**Dr. MUKESH KUMAR** Professor, Department of Electrical Engineering, and Centre for Advanced Electronics, Indian Institute of Technology (IIT) Indore, Khandwa Road, Simrol, Indore-452020, Madhya Pradesh, India
10	Internet of Medical Things (IoMT): A Future Connected Healthcare System	29.12.2022	Mr. Subbarayudu B Assistant Professor/ECE Mr. Ramesh E, Assistant Professor/ECE	**Dr. SUBHAS MUKHOPADHYAY,** Professor, School of Engineering, Macquarie University, Australia
11	One-day Seminar on Career Opportunities through GATE	30.12.2022	Mr. Subbarayudu B Assistant Professor/ECE Mr. Ramesh E, Assistant	**Mr. M. NARAYANA SWAMY,** M.Tech (NIT, Rourkela), Director, Engineers Gate Academy Ananthapuramu, Andhra Pradesh

			Professor/ECE	
12	Career development interaction	27.02.2023	Dr. R. Kiran Kumar Assistant Professor/ECE	**Mr. BHARATH PASALA,** Vice President, Goldman Sachs, New Jersey, United States
13	MEMS Based Biomedical Sensors – An Introduction	27.03.2023	Dr. Velumani M	**Dr. DEBASHIS MAJI,** Associate Professor, School of Electronics Engineering, VIT Vellore

List of FDP Attended

The list of FDP attended in the academic year 2022-2023 along with the event details is mentioned in the table below:

Sl. No.	Name of Faculty who attended the programme	Title of the programme	Duration (from-to) (DD-MM-YYYY)
1	Dr. Deeapak Agrawal	Engineering Signal Processing and Communication system using FPGA	26.07.2022 - 30.07.2022
2	Mr.E.Sathiyanarayanan	Smart Grid and Renewable Energy Sources	29.08.2022 - 02.09.2022
3	Dr Kumar C	MATLAB Toolbox for IOT Application Development with Hands On Session	26.09.2022 - 30.09.2022
4	Dr Kumar C	Recent Tools & Technologies for Data Science and Artificial Intelligence	19.09.2022 - 26.09.2022
5	Dr. Smriti Baruah	Emerging trends in communication and signal processing for next generation applications	12.09.2022 - 16.09.2022
6	Dr. Janmoni Borah	Emerging trends in communication and signal processing for next generation applications	12.09.2022 - 16.09.2022
7	Mr. T. Manivannan	Recent Tools & Technologies for Data Science and Artificial Intelligence	19.09.2022 - 26.09.2022
8	Mr. B. Karthick	MATLAB Toolbox for IOT Application Development with Hands-On Session	26.09.2022 - 30.09.2022
9	Dr. Deeapak Agrawal	VLSI Interconnects	July - Sep 2022
10	Mr.B.Subbarayudu	Instructional Design and Delivery systems	12.09.2022 - 16.09.2022
11	Mr.M.Kamesh	Instructional Design and Delivery systems	12.09.2022 - 16.09.2022
12	Mr.B.Subbarayudu	Inculating Human values in Technical Education	19.09.2022 - 23.09.2022
13	Dr.R.Kiran Kumar	Emerging trends in communication and signal processing for next generation applications	12.09.2022 - 16.09.2022
14	Dr.R.Kiran Kumar	Instructional Design and Delivery systems	12.09.2022 - 16.09.2022
15	Dr.R.Kiran Kumar	MATLAB Toolbox for IOT Application Development with Hands On Session	26.09.2022 - 30.09.2022

Sl. No.	Name of Faculty who attended the programme	Title of the programme	Duration (from-to) (DD-MM-YYYY)
16	Mrs.K.Anbarasi	MATLAB Toolbox for IOT Application Development with Hands On Session	26.09.2022 - 30.09.2022
17	Dr.Rakesh Nath Tiwari	MATLAB Toolbox for IOT Application Development with Hands On Session	26.09.2022 - 30.09.2022
18	Dr. Raj kumar	Introduction to Research	Aug - Oct 2022
19	Dr. Velumani	Introduction to Research	Aug - Oct 2022
		Introduction to Semiconductors	July - Oct 2022
20	Dr.Smriti Borah	Introduction to Semiconductors	July - Oct 2022
21	Mr. T. Manivannan	Introduction to Research	Aug - Oct 2022
22	Dr.Shailendra Tirupathi	Introduction to Research	Aug - Oct 2022
23	Mr.B.Subbarayudu	Introduction to IOT	July - Oct 2022
24	Mr. B. Karthick	Emerging Trends in Electronics & Computer Engineering	27.10.2022 - 29.10.2022
25	Mr.G.Muhammad Rafi	Emerging Trends in Electronics & Computer Engineering	27.10.2022 - 29.10.2022
26	Mr. Girisankar P	Faculty Induction programme on Thrust Areas	10.10.2022 - 15.10.2022
27	Dr. Raj kumar	Machine Learning for Data Science using Python	14.11.2022 - 29.11.2022
28	Dr.R.Kiran Kumar	Exploring Dynamics of National Education Policy 2020 with Reference to NAAC Persceptives	24.11.2022 - 30.11.2022
29	Mr. B. Karthick	Recent trends and innovations in Electric vehicles	30.01.2023 - 03.02.2023
30	Dr.R.Kiran Kumar	Microwave Passive circuits: Design, Fabrication & Measurements	17.01.2023 - 21.01.2023
31	Dr.C.Kumar	Microwave Passive circuits: Design, Fabrication & Measurements	17.01.2023 - 21.01.2023

Sl. No.	Name of Faculty who attended the programme	Title of the programme	Duration (from-to) (DD-MM-YYYY)
32	Ms.G.Nagaswetha	Microwave Passive circuits: Design, Fabrication & Measurements	17.01.2023 - 21.01.2023
33	Ms. G.Nagaswetha	Data Analytics and Visualization	23.01.2023 - 28.01.2023
34	Dr. Rakesh Nath Tiwari	Introduction to IOT	Jan - April 2023
35	Mr. B. Karthick	Research Methodology	06.02.2023 - 10.02.2023
36	Dr. Shailendra Tirupathi	Machine Learning Operations	02.02.2023 - 06.02.2023
37	Dr. Deepak Kumar Agarwal	Machine Learning Operations	02.02.2023 - 06.02.2023
38	Dr. Sarfaraz Hussain	Research aspects in the field of Microwave antenna design and wireless networks	08.02.2023 - 10.02.2023
39	Dr. Rajkumar	Python for Data Science	Jan - Feb 2023
40	Mr. B. Karthick	Recent Trends in Electric Vehicle Technology and Research Opportunities	27.02.2023 - 03.03.2023
41	Mr. B. Karthick	The Key Enablers for Future communication	26.03.2023 - 28.03.2023
42	Dr. Raj kumar	Design and Fabrication of VLSI and Nanomaterial based sensors	04.03.2023 - 07.03.2023
43	Dr. Raj kumar	The Key Enables for Future Communication	26.03.2023 - 28.03.2023
44	Dr. Raj Patel	The Key Enables for Future Communication	26.03.2023 - 28.03.2023
45	Dr. Shailendra Tirupathi	Design and Fabrication of VLSI and Nanomaterial based sensors	04.03.2023 - 07.03.2023
46	Dr. Deepak Kumar Agarwal	Design and Fabrication of VLSI and Nanomaterial based sensors	04.03.2023 - 07.03.2023
47	Dr. Velumani	Design and Fabrication of VLSI and Nanomaterial based sensors	04.03.2023 - 07.03.2023
48	Mr. T. Manivannan	Recent Trends in Electric Vehicle Technology and Research Opportunities	27.02.2023 - 03.03.2023

Sl. No.	Name of Faculty who attended the programme	Title of the programme	Duration (from-to) (DD-MM-YYYY)
49	Mr. B. Karthick	Deep Learning and Artificial Intelligence based Digital Image Processing	24.04.2023 - 26.04.2023
50	Mr. B. Karthick	Introduction to Research	Feb - April 2023
51	Dr. Shailendra Tirupathi	Computer Networks and Internet Protocol	Jan - April 2023
52	Mrs. K. Anbarasi	Communication Networks	Jan - April 2023
53	Dr. Sourav Ghosh	Computational Modelling of materials	08.05.2023 - 12.05.2023
54	Dr. Janmoni Borah	Exploring the impact of Emerging technologies in future networks and systems	24.05.2023 - 26.05.2023
55	Dr. Smriti Borah	Exploring the impact of Emerging technologies in future networks and systems	24.05.2023 - 26.05.2023
56	Dr. R. Kiran Kumar	Defence Research and Innovation Summit	24.05.2023 - 28.05.2023
57	Mr. B. Karthick	Exploring the impact of Emerging technologies in future networks and systems	24.05.2023 - 26.05.2023
58	Mr. B. Karthick	Exploring the scope of Engineering Mathematics in Control systems	12.06.2023 - 16.06.2023
59	Mr. B. Karthick	Design of IOT based systems for Contemporary applications and their empowerment using data analytics	23.06.2023 - 25.06.2023
60	Mr. B. Karthick	Multiattribute Fuzzy time series based on adaptive expectation	11.06.2023 - 15.06.2023
61	Mr. T. Manivannan	Exploring the scope of Engineering Mathematics in Control systems	12.06.2023 - 16.06.2023

Award/Recognitions

The list of Award/ Recognitions received by the faculties in the academic year 2022-2023 along with the event details is mentioned in the table below:

S. No	Faculty Name	Date	Type of Assignment	AWARD/RECOGNITIONS
1	Dr. Sarfraz Hussain	28.02.2023	Young Researcher Award	Internation conference on science and engineering (ICSE-2023)
2	Nehru k	12.10.2022	Question paper setter	KPR Institute of Science and Technology
3	Nehru k	23-11-2022	Session chair	Second International Conference (ICIECS) 2022
4	Nehru k	15th -16th December 2022.	session chair and reviewer	3rd International Conference on Communication, Computing, and Industry 4.0 (C2I4)
5	Nehru k	Dec 19, 2022	Advisory/Review committee member	7th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2023).
6	Dr. Debashish Pal	29-30th July 2022	Reviewer and Session Chair	8th International Conference (ICCM), NERIST, Arunachal Pradesh
7	Dr. Sarfraz Hussain	3rd - 5th March, 2023	Session Chair	2023 2nd International Conference for Innovation in Technology (INOCON), jointly organised by Departments of CSE, ISE, ECE, CSE (AI & ML), CSE (DS)
8	P Ramanathan	10th-11th December,2022	Reviewer	Second International Conference on Smart Technologies, Communication, and Robotics 2022(IEEE-STCR 2022)
9	Dr. Shailendra Tripathi	May 20th-22nd, 2022	Session Chair	IEEE IAS Global Conference on Emerging Technologies (GlobConET-2022)
10	Dr. Shailendra Tripathi	December 1st-3rd, 2022	Technical Program Committee Member	2022 8th International Conference on Signal Processing and Communication (ICSC)
11	Dr. Deepak Agarwal	July 4th-8th,2022	Guest Speaker	Emerging Trends in Electronics and Communication for IoT Applications
12	Dr. Deepak Agarwal	03rd June,2022	Judge for the Project Expo	National level technical symposium-ECLECTICA-2022
13	Dr. Deepak Agarwal	01-03 December,2022	Technical Program Committee Member	2022 8th International Conference on Signal Processing and Communication (ICSC)
14	Dr. Deepak Agarwal	26th -27th November,2022	Reviewer	Fifth International Conference on Multimedia, Signal Processing, and Communication Technologies