**MRCN - 2024**

**Call for Papers**

**Special Session on**

**“Innovations in Signal Processing, Advanced Communication and Computational Intelligence”**

**Session Chair(s):**

**Dr. Nidhi Sindhwani**, Associate Professor, Amity Institute of Information Technology, Amity University, Noida, Uttar Pradesh, India

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**Dr. Rohit Anand**, Assistant Professor, G.B. Pant DSEU Okhla-1 Campus (formerly G.B. Pant Engineering College), Govt. of NCT of Delhi, New Delhi, India

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**Dr. Rashmi Vashisth**, Assistant Professor, Amity Institute of Information Technology, Amity University, Noida, Uttar Pradesh, India

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**Aim and Objectives of Session:**

The main aim of this special session is to provide opportunity to the scientific community to utilize their knowledge in the field of signal processing, speech processing, image processing, wireless and mobile communication, optical communication, satellite communication, RF and microwave, antenna design, multimedia communication, internet of things, internet of medical things etc.

With this session, the various researchers and academicians can be brought to a common multi-stream platform so that they can present their new models and ideas.

**Topics of Interest:**

Based on the above-mentioned theme, the topics of interest are (but not limited to):

* Signal analysis and processing
* Digital signal processing and embedded systems
* Image processing, speech processing, music processing and video processing
* Medical image processing
* Pattern recognition
* Computer communication and networking
* RF and Microwave Engineering
* Antenna design and optimization
* Wireless and Mobile communication
* Optical communication and networks
* Satellite communication and radar
* Internet of things
* Internet of medical things

**Expected Number of Articles to Receive: 10 to 15**

**Short Biographies of SESSION CHAIRS**

**Dr. Nidhi Sindhwani** is currently working as an Associate Professor in Amity Institute of Information Technology, Amity University, Noida, India. She has done her Ph.D. (ECE) from Punjabi University, Punjab, India. She has teaching experience of more than 16 years. She is a Life Member of Indian Society for Technical Education (ISTE) and a Member of IEEE. She has Google Scholar h-index of 26 and i10-index of 46. She has published, 69 papers in Scopus/SCIE Indexed Journals, Conferences, reputed books and 4 Patents. She is the Editor of 8 reputed Edited Books. She has presented various research papers in National & International Conferences. She has got the Best Paper Presentation Award in an International Conference. She has chaired a Session in 15 International Conferences. She has been a reviewer in many of the reputed indexed Journals. Her research areas include Wireless Communication, Image Processing, Optimization, Machine Learning, IoT etc.

## Dr. Rohit Anand is currently working as an Assistant Professor in the Department of Electronics and Communication Engineering at G.B.Pant DSEU Okhla-1 Campus (formerly GBPEC), Govt. of NCT of Delhi, New Delhi, India. He has done his Ph.D. (ECE) from IKG Punjab Technical University, Punjab, India. He has teaching experience of more than 21 years including UG and PG Courses. He is a Life Member of Indian Society for Technical Education (ISTE) and Member of IEEE. He has Google Scholar h-index of 20 and i10-index of 43. He has Scopus *h-index* of 15. He has published 12 book chapters in reputed books, 18 papers in Scopus/SCIE Indexed Journals. H also has 4 Patents (2 Granted and 2 Published). He has presented more than 25 research papers in National & International Conferences. He is presently a reviewer in many of the reputed and highly indexed International Journals like IEEE Transactions on Industrial Informatics, International Journal of Microwave and Wireless Technologies, KSII Transactions on Internet and Information Systems and many IGI Global Journals. He has chaired a Session in 15 International Conferences. He has received 1 Gold Medal and 1 Silver Medal in NPTEL Online Certification Courses conducted by MHRD, Govt. of India. He has guided 12 M.Tech. students and is presently guiding 2 Ph.D. students. He is an Editor of 3 Reputed Edited Books. He has voluntarily participated 31 times in Blood Donation He has got the awards such as Indian & Asian Record Holder, Integral Humanism award and Best Teacher award. His research areas and interest areas include Wireless Communication, Electromagnetic Field Theory, Antenna Theory and Design, Image Processing, Optimization, Optical Fiber Communication, IoT etc.

Dr. Rashmi Vashisth is currently working as an Assistant Professor III, with Amity Institute of Information Technology, Amity University, Noida, Uttar Pradesh, India. She has done her Ph.D. (Engg.) from Amity University Noida. She has teaching experience of more than 16 years. She is a Life Member of Indian Society for Technical Education (ISTE) and Ultrasonic Society of India. She has published more than 30 research papers in reputed Scopus/SCIE journals, book chapter, and international conferences. She has filed three patents, two copyrights and written book on Digital Control Systems, Embedded Systems, Introduction to IOT and Machine Learning . She has chaired many international conference sessions. Her research areas include Embedded Systems, Machine Learning, Fuzzy logic, IoT, Artificial intelligence and ultrasonic transducers.