FACULTY PROFILE

Name: ARUN KUMAR

Designation: Assistant Professor

E_Mail: arunkums1@srmist.edu.in

Professional Qualification: PhD (Pursuing), M.Tech (VLSI DESIGN)

Publications (Journals & Conferences):

Sl. No	Details of Refereed Conference publications
C.7	Ankit Kumar Chaubey, Saptarshi Gupta, Arun Kumar "**A Parasitic Multilayer Micro Strip Patch Antenna For 4.40 Ghz C-Band Application**" 2ND International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE-2018) on 20 &21, September, 2018.
C.6	Anurag Verma, Arun Kumar, Saptarshi Gupta, "**Design & Perfomance Analysis Of Round Micro-Strip Patch Antennae 2x4 Array For 2.40ghz Wireless Demand**" International Conference MARC2018 18-19 July 2018.
C.5	Arun Kumar, Partha Pratim Das, Diganta Das, **"Advanced Transceiver Design For Continuous Phase Modulation In Space Time Coded system"** National conference 'NCRTICT 2013' SRM University Modinagar, September 2013
C.4	Arun Kumar, Vinay Kumar Singh, **"Modified VlSI Architectrue For High Speed R-S Decoder"** Internationa Conference **CONFLUENCE-2013**,Amity University, September 2013
C3	Arun Kumar, Manoj Voishnoi, **"Design of Built-in-self Test Algorithm (8n) for single port memory"** National conference **'NCRTICT 2012',** SRM University Modinagar, September 2012
C.2	Arun Kumar, Minakshi Sanadhya,"**Design of a 15-4 Compressor for High Speed**

	Multiplication Applications" at National Conference **VMN 2010,** 22, 23 & 24 September 2010, Amity University, Noida.
C.1	**Arun Kumar, M. Valarmathi, " High speed architecture for Reed Solomon Decoder"** at Third National Conference **on Digital Convergence TNCDC_2010,** 11th-12th April 2010, R.M.K. Engineering college RSM Nagar, kavaraipettai-601206 Tamilnadu India.
Sl. No	**Details of Refereed Journal publications**
J.15	Arun Kumar, R.P. Mahapatra, "Detection and diagnosis of COVID-19 infection in lungs images using deep learning techniques" Int J Imaging Syst Technol. 2022;32:462–475 DOI: 10.1002/ima.22697.
J.14	Priya Verma, Ritu Gupta , Ms. Srishti Varma, Abhilasha Singh , Arun Kumar **"Sentimental analysis on covid-19 twitter data using convolutional neural networks (cnn)",** Journal of Critical Reviews, May-2020, vol-7, Isuue-18.
J.13	Harsh Munsh, Sparsh Chhikara, Abhilasha Singh , Ms. Ritu Gupta , Mr. Arun Kumar **"Automated detection of ewing sarcoma for computer aided diagnosis",** Journal of Critical Reviews, May-2020, vol-7, Isuue-18.
J.12	Sristhi Verma, Ritu Gupta , Priya Varma, Abhilasha Singh , Arun Kumar **"Security Issues In Encrypting Cloud Data",** Journal of Critical Reviews, May-2020, vol-7, Isuue-15.
J.11	Anurag Verma, Arun Kumar, Saptarshi Gupta, "**Design & Perfomance Analysis Of Round Micro-Strip Patch Antennae 2x4 Array For 2.40ghz Wireless Demand"** International Conference-MARC-2018 18-20 July 2018, New delhi India.
J.10	Shubham Srivastava, Arun Kumar, "**Image Enhancement in Digital Image Watermarking Using Hybrid Image Transformation Techniques"** IOSR Journal of Electronics and Communication Engineering (IOSR-JECE), Volume-11, Issue-3, June, 2016, pp-116-121
J.9	Arun Kumar, Deepanshu Parihar; Sahil Dawar; Ketan Aggarwal & Monish Shibu, **"Anti-Theft andOdd/Even Pollution Control Challan System",** International Journal of Research(IJR), Volume-3, Issue-9, May, 2016, pp-11-17
J.8	Preyksha Rajan, Ishpinder Kaur, Navpreet Kaur, Arun Kumar **" Automatic System For Facilitating Plant Growth By Controlling Various Parameters"** International Research Journal of Engineering and Technology (IRJET**),** Volume-3, Issue-4, April, 2016, pp-01-05

J.7	Arun Kumar, Pratyush Gupta, Rachit Gupta, **"Home Automation:Wi-Fi Controlled Relay"** International Journal of Engineering Research & Management Technology (IJERMT), Volume-2, Issue-2, March, 2015, pp-270-273
J.6	Arpit Kapil, Neeraj Yadav, Akhil Deswal, Sachin Kumar Arun Kumar, **"Switching Control for Industrial Automation"** International Journal Of Advanced Research In Engineering Technology & Sciences, Volume-2, Issue-3, March, 2015, pp-11-15
J.5	Aayush Tandon, Bhavya Awasthi, Arun Kumar, **"VIWA- Vibrating Watch Anti Theft System for Mobile Phones Using Zigbee Modules"** International Journal of Engineering Research & Management Technology (IJERMT), Volume-2, Issue-2, March, 2015, pp- 195-199
J.4	Arun Kumar, Minakshi Sanadhya, Manoj Vishnoi, **"Design of Improved Built-In-Self-Test Algorithm (8n) for Single Port Memory",** International Journal of Soft Computing and Engineering (IJSCE), Volume-2, Issue-5, November, 2013
J.3	Minakshi Sanadhya, Arun Kumar, Manoj Vishnoi, **"Design of an efficient 16-bit microprocessor using VHDL",** International Journal of Engineering & Science Research, (IJESR), Volume-2,Issue-8, August, 2012, pp. 843-853
J.2	Arun Kumar, Vipin Kumar Yadav, Abhilasha Singh**, "Design of IEEE1588 Based Precision Time Protocol Using PSOS",** International Journal of Soft Computing and Engineering (IJSCE), Volume-2, Issue-3, July 2012**,** pp.
J.1	Arun Kumar, Minakshi Sanadhya, Nidhi Singh, **"High performance circuit level design of Multiplier"** International Journal of Advanced Research in Computer Science and Software Engineering(IJARCSSE), Volume-2, Issue-5, May 2012. pp.

Workshops/Seminars/FDPs

NPTEL Certification course on Digital Circuits
NPTEL Certification course on Microprocessors and Microcontrollers
Commission for Scientific and Technical Terminology
FDP on RECENT ADVANCEMENTS IN IMAGE PROCESSING & IOT
ATAL FDP on Artificial Intelligence
ATAL FDP on Computer Science & Biology
ATAL FDP on Internet of Things
ATAL FDP on Machine Learning in Infotainment Systems
ATAL FDP on Recent Trends and Advancements in ANN and Deep learning for Real Time Applications

Machine Learning and Computer Vision
"Wearable Devices for IoT and Microwave Infrastructure"
Connecting People to Semiconductor Industry

Work Experience: 13 Years

Professional Memberships:

- ➢ Member of the Indian Society for Technical Education (ISTE)

- ➢ Member of the Universal Association of Computer and Electronics Engineers

- ➢ Member of the International Association of Engineers.

- ➢ Member of the International association of Computer Science and Information Technology