

SRM Institute of Science & Technology -Tiruchirappalli
School of Electrical and Electronics Engineering
Faculty Research Domain

S. No.	Faculty Name	Thrust Area	Domain
1.	Dr. V. N. Senthil Kumaran	1. Physical Layer Security 2. Semiconductor Device Modeling	1. Signal Processing 2. VLSI
2.	Dr. R. Rajasekar	1. Multipurpose Biomedical IC 2. Reconfigurable Nanophotonic devices 3. Optical Logic device	1. Biophotonics 2. Optical Wireless Communication 3. Optical Computing
3.	Dr. K.S. Vishvaksenan	1. MIMO for 6 G mobile communication 2. Channel coding	1. Wireless Communication
4.	Dr. U. Shajith Ali	1. Renewable Energy 2. Power Converters 3. Electric Vehicles	1. Power Electronics
5.	Dr. A. Dheepanchakkravarthy	1. Power Converters 2. Renewable Energy 3. Power Quality	1. Electric Vehicle 2. Solar, Wind, Green Energy 3. Distribution System
6.	Dr. S. Aditya	1. Analog/RF IC Design 2. Mixed Signal Design 3. VLSI system design	1. CMOS Controlled Oscillators 2. PLLs 3. Frequency Synthesizers Multipliers
7.	Dr. J. Anandpushparaj	1. UAV -Assisted wireless communications 2. RIS aided Communications Simultaneous Wireless and Power Transfer (SWIPT)	1. Wireless Communications and Networks 2. Smart Antennas
8.	Mr. R. Srinivasan	1. Power Converters 2. Renewable Energy	1. Solar, Wind and Green Energy 2. Electric Vehicles

9.	Dr. S. Amuthameena	1. Energy Storage and Conversion Systems for Sustainable Mobility 2. Advanced Materials for High-Performance Energy Storage 3. Renewable energy	1. Energy Systems and Sustainable Technologies
10.	Dr. S. Karthikeyan	1. Non-Terrestrial Networks 2. Digital Twins for Healthcare 3. NOMA	1. Next Generation (6G) Communication & Networks
11.	Mr. Rajesh V	1. Hyperspectral and Geomorphic processes using satellite images. 2. Remote Sensing for Prediction & Detection of Natural Disasters 3. MIMO Antennas in Multi-stream transmission.	1. Satellite Image Processing. 2. Remote Sensing Application. 3. Wireless Mobile Networks for 6G.
12.	Dr. K. Vaishnavi	1. Information security	1. Quantum Computing
13.	Dr. M. Mathankumar	1. Energy efficient wireless sensor networks 2. Medical image processing 3. Electric vehicles	1. Wireless Communication 2. Image processing 3. Electrical systems
14.	Dr. V. Manikandan	1. Information security and Healthcare	1. VLSI 2. Tiny ML 3. IoT
15.	Dr. M. Jothi	1. Signal Processing 2. ASIC Framework	1. Artificial Intelligence 2. Digital VLSI