



**Name:** Nishant Srivastava **Designation:** Assistant Professor **E-Mail:** nishantv@srmist.edu.in

**Professional Qualification:**

- Phd (Pursuing), M.tech, B.Tech

## **FACULTY PROFILE**

**Publications (Journals & Conferences):**

- Design and Investigation of Junctionless N+ Pocket Doped Vertical –TFET with Binary Metal Alloy  $\text{P}\alpha\text{Q1}-\alpha$  IEEE Conference (2024)
- Design and Analysis of a GaSb Hetrojunction Vertical TFET with Source Pocket for Work Function Engineering and Improved Analog Performance IEEE (2024)
- Exploring the potential of Silicon Carbide Nanowire Junctionless Field Effect Transistor for Ultra Scaled 5nm Channel Length Application IEEE Conference (2024)
- Performance Investigation of Short Channel Impacts and Analog/RF Figure of Merits (FOMs) of SOI FinFET
- An Investigation on the Physical Characteristics of Nano Scale FinFET, 2nd International Conference on “Advancement in Electronics & Communication Engineering (AECE 2022) July 14-15, 2022
- Simulation Study of Linearly Graded Binary Metal Alloy  $\text{P}\alpha\text{Q1}-\alpha$  Gate TFET Device for Realization of Boolean Functions Silicon(2022) 15: 10947-10956
- Modeling Analysis and Geometric Investigation of SOI FinFET for RF/ AF Parameters Silicon (2022) 14:8151–8159
- Geometric Investigation And Performance Analysis Of Soi Finfet For Rf/ Af Parameters Suranaree J. Sci. Technol. 29(5):010161(1-7)
- Modeling and analysis of surface potential of single gate fully depleted SOI MOSFET using 2D-Poisson’s equation AIP Conference proceedings.
- Design and Simulation of 16 Bit Vedic Multiplier using Urdhva Tiryakbhyam Algorithm.
- An Efficient And Error Less Wireless Prepaid Energy Meter For House Application

## International Journal of Engineering Research & Management Technology

- RFID - Based Automatic Ration Vending Machine To Avoid Corruption And Malpractices At Ration Shops International Journal of Engineering Research & Management Technology

### **Awards and Achievements**

- Teaching Children Skills During Holiday Camps
- Donating Items To Charities

### **Workshops/Seminars/FDPs**

- AICTE Sponsored Six Days Short Term Training Program (STTP)
- Recent Advances In Materials Science And Technology
- Hands-On Experience With Arduino Using Virtual Tool
- Best Possible Uses Of Online Education & E-Content Development
- Antenna and Microwave Engineering
- Wearable Devices for IoT and Microwave Infrastructure
- Recent Advancements In Image Processing & Iot
- Webinar on We Are Stronger Together
- Webinar on Research in Digital Age – Problems and Opportunities
- Webinar on Art of Teaching
- AICTE Training And Learning (ATAL) Online FDP on "Computer Science & Biology"
- AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)"
- AICTE Training And Learning (ATAL) Academy Online FDP on "Lab on Chip"

**Work Experience:** 15.5 Years (Teaching + Industries)

### **Professional Memberships:**

- IEEE, ISTE, IAENG, IAOE, the IRED