

Dr. Shriman Narayana

Designation: Assistant Professor

Department: Electronics and Communication Engineering

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Educational Qualification: Ph.D. (RF & Microwave Engineering), Indian Institute of Technology Patna

M.Tech (Communication System Engineering), Indian Institute of Technology Patna

Research Interest: RF & Microwave Filters,

CPW Filters,

RF-Microwave and Millimeter-Wave IC Design,

Matching Network,

Energy Harvesting.

Teaching Experience:

- Assistant Professor: IIIT Surat (October 2022 – Continue)
- Adjunct Assistant Professor: IIIT Pune (September 2022 – October 2022)
- Assistant Professor (Temporary): NIT Mizoram (August 2021 – August 2022)

Achievements:

- Cleared Graduate Aptitude Test in Engineering (GATE) exam in 2011, 2012, and 2013 with 96.8, 97.1, and 99.4 percentile in Electronics and Communication paper.

Research Publication:

- **Shriman Narayana**, Nagendra Kumar, Yatendra Kumar Singh "Constant Absolute Bandwidth Third-Order Tunable Bandpass Filter With Reconfigurable Bandwidth Using Single $\lambda/2$ Resonator," *Journal of Electromagnetic Waves and Applications*, 2021; 36 (7); 940-963.
- **Shriman Narayana**, Nagendra Kumar, Yatendra Kumar Singh "Constant Absolute Bandwidth Tunable Asymmetric Order Dual-band BPF with Reconfigurable Bandwidth Using Mode Control Technique," *IET Microwave Antenna & Propagation*, 2021; 15 (3):253-270.
- **Shriman Narayana**, Yatendra Kumar Singh "Third-Order Tunable Filter with CFBW Using Two Quarter-Wavelength Resonators," *Microwave and Optical Technology Letters.*, 2021; 63,9, 2303-2308.
- **Shriman Narayana**, Yatendra Kumar Singh "Dual-Band BP to BS Switchable Filter With Independently Tunable Center Frequency and Bandwidth," *Microwave and Optical Technology Letters.*, 2021, 63, 11, 2704-2709.
- Nagendra Kumar, **Shriman Narayana**, Yatendra Kumar Singh "Constant Absolute Bandwidth Tunable Symmetric and Asymmetric Bandpass Responses Based on Reconfigurable



Transmission Zeros and Bandwidth," *IEEE Transaction on Circuit and system-II Express Briefs*, 2021; 69 (3); 1014-1018.

- Shadab Rabbani, **Shriman Narayana**, Yatendra Kumar Singh " A Novel Concurrent Dual Band Matching Network for Complex to Real Impedance Matching for RF Applications," *IEEE Transactions on Circuits and Systems II: Express Brief*, (Early Access), 2022.
- **Shriman Narayana**, Nagendra Kumar, Yatendra Kumar Singh, "Compact Coplanar-Waveguide Based Bandpass to Bandstop Switchable Filter With Distinct Inductive and Capacitive Coupling," *IEEE MAPCON 2022*, ISRO, Bengaluru, India.
- Shadab Rabbani, **Shriman Narayana**, Yatendra Kumar Singh, "Enhancing Load Range of Concurrent Dual-band Real to Real Matching Network Using Load Shifters," *IEEE MAPCON 2022*, ISRO, Bengaluru, India.
- Shadab Rabbani, **Shriman Narayana**, Yatendra Kumar Singh, "A Novel Design Approach for Concurrent Dual Band Complex to Complex Matching Network," *IEEE MAPCON 2022*, ISRO, Bengaluru, India.
- Nagendra Kumar, Aditya Anand Gupta, Vamsi Krishna Velidi, Avg Subramanyam, V Senthil Kumar, N Ramalakshmi, D Venkata Ramana, **Shriman Narayana**, Yatendra Kumar Singh " Constant Absolute Bandwidth Tunable BPF With Reconfigurable Bandwidth Using Stubs-Loaded Grounded MMR" *IEEE MTT-S International Microwave and RF Conference (IMARC)*, 2021, 1-4, IIT Kanpur, India.
- Bhowmik, **Shriman Narayana**, Sumanta gupta, "Simultaneous Demodulation and CD Compensation using Optical Ring Resonator under Nonlinear Transmission," *International Conference on Photonics (OSA)*, 2014, S4B-4, IIT Kharagpur, India