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Educational Qualification	**B. Tech, M. Tech, PhD**
Experience in Years	**Teaching: 16** **Industry : --**
Areas of Interest	**Electron Devices, VLSI, Photonics, Electromagnetics, Antennas, Microwaves and Polarimetric SAR Data Processing**
Subjects Taught	**Electronic Devices and Circuits, Electronic Circuit Analysis, Switching Theory and Logic Design, Electromagnetic Waves and Transmission Lines, Antennas and Wave Propagation, Microwave Engineering, Modern Digital Communication Techniques**
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EDUCATIONAL DETAILS:-

Examination / Degree	College/University	Year of Passing
PhD	**Sri Venkateswara University, Tirupati**	**2020**
M. Tech	**Sree Vidyanikethan Engineering College / JNTUA, Ananthapuram**	**2012**
B. Tech	**Srinivasa Institute of Technology and Management / JNTUH, Hyderabad**	**2005**

PUBLICATIONS:-

Journal Publications:

1) Tathababu Addepalli, V. Siva Nagaraju, **Sivasubramanyam Medasani**, Jetti Chandra Sekhar Rao, Prasanthi Badugu, Ch. Manohar Kumar, Rajyalakshmi Uppada and Bandi Kiran Kumar **"Four-element equilateral triangular-shaped MIMO antenna with connected ground for 5G sub:6 GHz N79 and WiFi-6E band applications"** International Journal of Communication Systems2024;e5895.
2) Jetti Chandra Sekhar Rao, **Sivasubramanyam Medasani**, Venkateswara Rao Nandanavanam, Chandramohan Bhuma, Tathababu Addepalli, Sreenivasa Rao Devireddy and Vella Satyanarayana **"A Novel Miniatured U-Shaped MIMO Antenna For 5G N257/N258 And N262 Band Applications"** Telecommunications and Radio Engineering 83(9):87–98, 2024
3) M. Satish Kumar, **Sivasubramanyam Medasani**, Penchala Reddy Sura, Tathababu Addepalli, Jetti Chandra Sekhar Rao, J. Prasanth Kumar, B. Y. V. N. R Swamy, A. L Siridhara **"Design of Implantable Antennas for Biomedical Applications"** Telecommunications and Radio Engineering 83(7):29–43, 2024
4) J. Snehalatha, Chintaiah Nannepaga, **Sivasubramanyam Medasani**, Bujjibabu Nannepaga and Katepogu Rajkumar, **"Conditional Spatial Transition Reduction Data Encoding Technique for VLSI Interconnects"** e-Prime – Advances in Electrical Engineering, Electronics and Energy, 2024.
5) **Sivasubramanyam Medasani** and G. Umamaheswara Reddy, **"Analysis and Evaluation of Speckle Filters for Polarimetric Synthetic Aperture Radar (PolSAR) Data,"** *International Journal of Applied Engineering Research*, vol. 12, no. 15, pp. 4916-4927, 2017.
6) **Sivasubramanyam Medasani** and G. Umamaheswara Reddy, **"Speckle Filtering and its Influence on the Decomposition and Classification of Hybrid Polarimetric Data of RISAT-1,"** *Remote Sensing Applications: Environment and Society*, Vol. 10, pp. 1-6, 2018.

Conference Papers:

1) **Sivasubramanyam Medasani**, B. Shireesha, B. Hemanth Reddy, C. Charan Teja and E. Venkata Sainath Chowdary "Enhanced Single Remote Sensing Image Dehazing via Vision Transformer with Silencing Map Transmission and advanced Image Processing Techniques", International Conference on Intelligent Systems for Cybersecurity, ISCS 2024.

2) **Sivasubramanyam Medasani**, N. Vaishnavi, N. Nithin Kumar Reddy, P. Thanmayi and P. Pooja "16-bit Vedic multiplier Using Carry Skip Adder", International Conference on Intelligent Systems for Cybersecurity, ISCS 2024.
3) **Sivasubramanyam Medasani** and G. Umamaheswara Reddy, "Feature Preserving Reliable Estimate of the Polarimetric Coherency Matrix Using IDAN-LLMMSE Technique," *2nd IEEE International Conference on Communication and Electronics Systems (ICCES 2017),* 19th and 20th Oct. 2017, pp. 965-970.
4) **Sivasubramanyam Medasani** and G. Umamaheswara Reddy, "Analysis and Evaluation of Speckle Filters by Using Polarimetric SAR Data Through Local Statistics," *2nd IEEE International conference on Electronics, Communication and Aerospace Technology (ICECA 2018),* 29-31 March 2018, pp. 170-175.
5) **Sivasubramanyam Medasani** and G. Umamaheswara Reddy, "Impact of Speckle Filtering on the Decomposition and Classification of Fully Polarimetric RADARSAT-2 Data," *International conference on ISMAC in Computational Vision and Bio-Engineering (2018 ISMAC-CVB),* 16th and 17th May 2018.
6) C. Raju, T. Sreenivasulu Reddy and **M. Sivasubramanyam**, 2016. "Denoising of Remotely Sensed Images via Curvelet Transform and its Relative Assessment" Science Direct, Procedia Computer Science 89 (2016) 771-777.

Book Chapters:

1) Sivasubramanyam Medasani and G. Umamaheswara Reddy, "Analysis and Evaluation of Speckle Filters for Polarimetric Synthetic Aperture Radar (PolSAR) Data," Advanced Engineering Research and Applications, vol VII, Research India Publications, pp. 274-297, 2018.

PROFESSIONAL MEMBERSHIPS

1) **Senior Member IEEE**
2) **Life Member ISTE**
3) **Life Member ISRS**
4) **Member, The Institution of Engineers (India)**
5) **Member IETE**
6) **Individual Member ISPRS**
7) **Member IAENG**

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