


Profile

Name of the Faculty		T.SUSHMA								
Designation		Assistant Professor								
Department		E.C.E								
Date of Birth		16-12-1973								
DOJ the Institution		23-06-2005								
Employee ID		ECE060149								
Address for communication		13-170, Opposite Anjaneyaswamy Temple, Poranki, Tadigadapa Municipality, AP-521137		Permanent Address		13-170, Opposite Anjaneyaswamy Temple, Poranki, Tadigadapa Municipality, AP-521137				
Email-ID		tsushma@pvpsiddhartha.ac.in								
AICTE Unique ID		1-454503313			AAPAR ID: 246596698018					
Education Qualifications		UG		PG		Ph.D		Others		
		B.Tech.		M.Tech		Pursuing				
Work experience		Teaching		Research			Industry		Others	
		20years								
Area of Specialization		Microwave Engineering								
<p>Courses taught at Under Graduate/ Post Graduate Level: (full course title only) :</p> <p>UG: Switching Theory and Logic Design, Antenna and Wave Propagation, Digital Signal Processing, Microwave Engineering, Optical Communications, Cellular and Mobile Communications, Radar Systems, TV and Satellite Communications, Electronic Measurements and Instrumentation, MATLAB Programming, E-Waste Management.</p> <p>PG: Coding Theory And Practice, Microwave Solid State Devices, Radar Signal Processing, Optical Networks</p>										
Professional Memberships & ID's : IETE-M-234485, ISTE-LM102519										
Research	National Journals	International Journals	National Conferences	International Conferences	Patents	Books / Book chapters				

Publications & Guidance	---	09	----	03	03	01
	Masters	04				
Details of Paper Publications (In IEEE Format only Descending order)		International Journals:				
		<ol style="list-style-type: none"> 1) Thotakura Sushma, Rajesh Gogineni, Nallagonda Vijaya Ratnam, Sadineni Ramesh Babu,” A Miniaturized Quad Port Highly Isolated Triple Band Notched UWB-MIMO Diversity Antenna”, Progress In Electromagnetics Research C, Vol 152,Issue2025,ISSN: 1937-8718,Jan 2025. 2) Thotakura Sushma “Design of UltraWideband Antenna with Quadruple Band Notch Reconfigurability”,Progress In Electromagnetics Research C, Vol:144, PP: 23-31, ISSN: 1937-8718, June – 2024. 3) T.Sushma, Sirisha Narkedamilli, Madhava Rao Chunduru, Vaddempudi Sujatha Lakshmi,” Deep Learning based Malware Detection:, Journal of Theoretical and Applied Information Technology, Vol:102, Issue:12, PP: 5014-5020, ISSN: 1992-8645, June – 2024 4) Dr. C.V.P.R. Prasad ,Veera Ankalu.Vuyyuru, T. Sushma, Dr. Sri Lakshmi Uppalapati,” A Novel Energy Aware Clustering Mechanism with Fuzzy Logic in MANET Environmen”, International Journal on Recent and Innovation Trends in Computing and Communication, Vol:10, Issue:10, PP: 109-118, ISSN: 2321-8169, Oct – 2022. 5) L.Madhavi Devi, Dr.C.Subba rao, B.Swati Lakshmi, Sushma.T,” Multiple Slot Fractal Structured Antenna for Wi-Fi and Radio Altimeter for uncertain Applications”, International Journal of Communication Networks and Information security, Vol:14, Issue:2, PP: 1-14, ISSN: 2073607X, Sep-2022 6) Purnachand Kollapudi, Saleh Alghamdi, Neenavath Veeraiah, T.Sushma,” A New Method for Scene Classification from the Remote Sensing Images”, Computers, Materials & Continua, Vol:72, Issue:1, PP: 1339-1355, ISSN: 1546-2218, Feb-2022. 7) T.sushma,G. Chenchamma, B V Subbayamma,Nagendra Babu Rajaboina,” A Review of the cluster based mobile Adhoc Network Intrusion detection system”, Turkish Journal of Computer and Mathematics Education, Vol:12, Issue:02, PP: 2070-2076, ISSN: 1309-4653, Apr-2021. 8) T.Sushma, G.Kundana Priya Reddy,” Performance Enhancement Of Cell Edge User Ber With Noma-Igssk In Wireless 5g”, International Journal of Advanced Science and Technology, Vol:29, Issue:7, PP: 14588-14596, ISSN: 2005-4238, Sep-2020. 9) T.Sushma, L.Madhavi Devi, B.Swathi Lakshmi,” Unmanned Ground Vehicle”, Journal of Applied Science and Computations, Vol:VI, Issue:1V, PP: 1750, ISSN: 1076-5131, Apr-2019. 10) M. Krishnaveni , T. Sushma,” Memory-Efficient SCAN 				

	<p>Decoder of Polar Codes”,International Journal of Scientific Engineerind and Technology Research, Vol:5, Issue:38, PP:7950-7952, ISSN: 2319-8885, Oct – 2016.</p> <p>11) T.Sushma , T.Haritha “A Compact array antenna for on body Communications”, International Journal of Engineering & Science Research (IJESR) Vol-5,Issue-7,July 2015.</p> <p>12) S.K.Salma , T.Haritha & T.Sushma ”Reduction of peak to average power ratio in OFDM Systems under generalized Fading channels”, International Journal of Engineering & Science Research(IJESR) Vol-5,Issue-7,July 2015.</p> <p>13) T.Sushma , K.Syryl Emmanuel, “Morphological Border based sorted pixel value difference-A Data hiding Technique”, International Journal of Emerging Trends in Electrical and Electronics(IJETEE),Vol :10,Issue :10,Oct 2014</p> <p>International Conferences:</p> <p>1) T. Sushma, “Enhancement of Energy Efficiency and Network Lifetime Using Modified Cluster Based Routing in Wireless Sensor Networks”,2023 IEEE International Conference on Intelligent Systems for Communication, IoT and Security (ICISCOIS 2023), organized by PSG College of Technology, 9th – 11th February 2023.</p> <p>2) T. Sushma, “ Implementation of Extreme Learning Model for Cyber Security in IoT Networks”, 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA 2023); ISBN: 979-8-3503-1398-7; Vol:23; organized by Bharath Nikethan Engineering College, Theni, India, 15th – 17th November, 2023.</p> <p>3) T.Sushma “ LabVIEW for Motion Detection Using Webcam”, Second International conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering [ICSA-2021]; organized by SRM Valliammai Engineering College , 10th April’ 2021.</p>
Details of Patents Published / Granted	<p>Granted –</p> <ul style="list-style-type: none"> ➤ C.subba Rao,L.Madhavi Devi, B.Swati Lakshmi, T.Sushma, Phani Prasanthi,” Wideband Metal Ring Terminated Biconical Antenna”,No: 127341, The Patent Office -Government of India, 28-08-2022. ➤ Swati Lakshmi Boppana,.Dr. Subbarao Chalasani, Lanka Madhavi Devi, T.Sushma, Dr. P.Phani Prashanthi,” Smart Window For Energy Saving”,No: 359278-001, Patent office, Government of India, 02-05-2022. <p>Published:</p> <ul style="list-style-type: none"> ➤ T.sushma, L.Madhavi Devi, K.Anitha,” Bank Locker Security System Using Embedded Systems”,No: 202341035664, The Patent Office -Government of India, 16-06-2023.

<p>Details of Certification Courses / Workshops / STTP's / FDP (participated / organized)</p>	<p>FDP participated:</p> <ol style="list-style-type: none"> 1. AI for Engineering Applications organized by Electronics and Communication Engineering Department of NITTTR Chandigarh and PVPSIT , 4th -8th November, 2024. 2. IoT and Embedded Systems organized by Electronics and Communication Engineering Department of NITTTR Chandigarh and PVPSIT, 23rd – 27th September, 2024. 3. Microstrip Patch Antenna Design Techniques and Tools organized by Electronics and Communication Engineering Department of NITTTR Chandigarh and PVPSIT , 16th - 20th September, 2024. 4. 5G and Beyond by NITTTR, Chandigarh at PVPSIT ,5th – 9th February 2024 5. Recent Trends in Wireless Communication organized by NITTTR CHANDIGARH in association with Dept. of ECE, PVPSIT , 24th - 28th April' 2023. 6. Applications of Computer Vision using Deep Learning organized by Gudlavaluru Engineering College, 20th - 25th February, 2023. 7. Antennas and Wireless Technologies organized by PVPSIT in association with NITTTR Chandigarh during 20th - 24th February, 2023 8. Yoga in Daily Life organized by PVPSIT, 13th - 17th February, 2023. 9. Thesis and Research Paper Writing organized by PVPSIT, 30th January – 3rd February, 2023. 10. Novel Materials, Devices and Applications organized by Dept of ECE, VRSEC, Vijayawada, 11th – 16th December, 2023. 11. Marketing in Metaverse Era organized by Entrepreneurship Development and Industrial Coordination Department, NITTTR, Chandigarh, 9th – 13th October, 2023. 12. Design and Practical Aspects of RF Devices, MEMS and Antennas for 5G Communications, Radar and Electronic Warfare organized by VR Siddhartha Engineering College, Vijayawada, India , 14th – 16th December' 2022. 13. AICTE Training and Learning (ATAL) Academy Hybrid FDP on Applications of IoT in Mechanical Engineering organized by, Dept. of Mechanical Engineering PVP Siddhartha Institute of Technology , 14th - 25th November' 2022. 14. AICTE sponsored FDP on Millimeter Wave Frequencies organized by GEC , 16th – 21st November, 2020. 15. Medical Image Processing organised by Electronics and ICT Academies at IIT Roorkee, MNIT Jaipur, NIT Patna, PDPM IITDM Jabalpur and NIT Warangal , 22nd August - 02nd September' 2022 16. Embedded Systems and IOT organized by Department of ECE, Seshadri Rao Gudlavaluru Engineering College, 20th – 25th June'
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	<p>2022.</p> <ol style="list-style-type: none"> 17. Advancements on Antenna Technologies for future Applications organized by Department of ECE, PVPSIT, 14th – 19th February’’ 2022. 18. Recent Trends on Microwave and Beyond Techniques organized by SRM University - AP, Amaravati, 15th – 20th November’ 2021. 19. Internet of Things (IoT) Architecture & System Level Design organized by USIC&T, Guru Gobind Singh Indraprastha University , 27th September – 1st October’ 2021. 20. AVR Microcontroller Programming organized by Microchip & Eduskills ,12th – 17th July’ 2021. 21. AICTE sponsored Faculty Development Programme on Millimeter Wave Frequencies Phase-II organized by Gudlavalleru Engineering College , 16th – 22nd March’ 2021. 22. AICTE Training and Learning (ATAL) Academy FDP on Internet of Things (IoT) organized by Koneru Lakshmaiah Education Foundation , 14th -18th December, 2020. 23. Antenna Applications and Microwave Design organized by Sai Ram Institute of Technology, Chennai , 15th - 20th June, 2020 24. Blockchain Security and Smart Contracts organized by VRSEC under AICTE Margadarshan, 15th – 20th June 2020. 25. Embedded systems and IoT Applications organized by Vignan’s Institute of Engineering for Women, Visakhapatnam in association with Embedded system solutions Pvt Ltd. Bangalore in partnership with IEEE BLP, Hyderabad, 4th - 6th June, 2020. 26. Design Thinking and Product Innovation organized by Department of Mechanical Engineering, PVPSIT, 9th -13th March, 2020. 27. Water Pollution and Health organized by NITTTR, Kolkata through ICT Mode in Knowledge Centre, PVPSIT, 21st – 25th October, 2019. 28. NBA Accreditation conducted by NITTTR at PVPSIT, 22nd -26th April, 2019. 29. Intellectual Property Rights & Innovation organized by Dept. of MBA in collaboration with IQAC cell , 29th April, 2019. 30. VLSI Design conducted by NITTTR Chandigarh, organized by dept. of ECE during 24th – 28th September, 2018 at PVPSIT knowledge Centre.
Details of Projects Applied / Awarded	-----
Any Other information	-----

