


Profile

Name of the Faculty	Dasi Swathi			
Designation	Assistant Professor			
Department	ECE			
Date of Birth	25-09-1988			
DOJ the Institution	06-06-2013			
Employee ID	ECE060594			
Address for communication	Flat 110 KRL Residency New RTC Colony-4 74-18-7/4A Patamata Vijayawada	Permanent Address		Flat 110 KRL Residency New RTC Colony-4 74-18-7/4A Patamata Vijayawada
Email-ID	Swathi.d@pvpsiddhartha.ac.in			
AICTEUnique ID	1-2186773295			AAPAR ID : 147504419283
Education Qualifications	UG	PG	Ph.D	Others
	B.Tech.	M.Tech	Pursuing	
Work experience	Teaching	Research		Industry Others
	13 years	--		-- --
Area of Specialization	Microwave and communication Engineering			
<p>Courses taught at Under Graduate/ Post Graduate Level: (fullcoursetitleonly) Electronic Devices & Circuits, Microwave and communication, Satellite Communication, Signals and Systems, EMI/EMC Transmission lines and wave guides , Microprocessors And Interfacing ,Microprocessors and Microcontrollers, TV & Satellite Communication ,Electromagnetic fields and wave propagation ,Internet of things, Antenna and wave propagation, Introduction to programming ,Programming in C, Data Structures and Algorithms.</p>				
Professional Memberships & ID's : ISTE- LM102530, IAENG-LM 194779				

Research Publications & Guidance	National Journals	International Journals	National Conferences	International Conferences	Patents	Books / Book chapters
	-	22	1	9	3	--
	Masters			-		
Details of Paper Publications (In IEEE Format only Descending order)		Journals: <ol style="list-style-type: none"> 1. S. Dasi, "Performance signature of transceiver communication system based on the cascade uniform fiber Bragg grating devices," <i>Journal of Optical Communications</i>, vol. 45, no. 2, pp. 165–176, 2024, doi: 10.1109/JOC.2024.9112465. 2. S. Dasi, "IoT-Based Smart Energy Management System To Meet The Requirements Of EV Charging Stations," <i>Journal of Theoretical and Applied Information Technology</i>, vol. 102, no. 5, pp. 2116–2127, 2024. 3. S. Dasi, "Analysis of Multiuser Detectors and Performance improvement in DS-CDMA system using Multistage Multiuser Detection Techniques," <i>WSEAS Transactions on Electronics</i>, vol. 15, pp. 1–10, 2024. 4. S. Dasi, "Evaluation Of Brain Tumor Classification Techniques On Identification Of EEG In Medical Images," <i>ARPN Journal of Engineering and Applied Sciences</i>, vol. 18, no. 4, pp. 345–351, 2023. 5. S. Dasi, "Design and Analysis of Metamaterial Absorber using Split Ring Resonator for Dual Band Terahertz Applications," <i>International Journal on Recent and Innovation Trends in Computing and Communication</i>, vol. 11, no. 1, pp. 128–132, 2023. 6. S. Dasi, "A Review of Internet of Things (IoT) Enabling Technologies in Healthcare Applications," <i>International Journal of Research Publication and Reviews</i>, vol. 3, no. 6, pp. 45–50, Apr. 2022. 7. S. Dasi, "Automatic Toll Collection System Using MSP430 Launchpad," <i>International Journal of Research Publication and Reviews</i>, vol. 8, no. 6, pp. 719–722, Jun. 2021. 8. S. Dasi, "Density based traffic control system using MSP430G2ET," <i>International Journal For Technological Research In Engineering</i>, vol. 8, no. 6, pp. 319–322, Feb. 2021. 9. S. Dasi, "Implementation of Recursive Formulation for Parallel Self-Timed Adder using Verilog Logic," <i>International Journal of Emerging Trends in Engineering Research</i>, vol. 8, no. 2, pp. 65–68, Feb. 2020. 10. S. Dasi, "Heart-Rate Monitoring System Using Node MCU," <i>JETIR</i>, vol. 6, no. 4, pp. 110–112, Apr. 2019. 11. S. Dasi, "Arduino Based Smart Indoor Ambiance Monitoring and Controlling System," <i>International Journal of Engineering Research and Applications (IJERA)</i>, vol. 9, no. 4, pp. 29–32, Apr. 2019. 12. S. Dasi, "Smart indoor ambiance monitoring and controlling system using IOT," <i>IJARTET</i>, vol. 6, no. 1, pp. 12–16, Jan. 2019. 13. S. Dasi, "Home Automation based on IOT using Google Assistant," <i>IJARTET</i>, vol. 6, no. 1, pp. 10–15, Jan. 2019. 				

	<ol style="list-style-type: none"> 14. S. Dasi, "Analysis of Margin Adoptive Resource Allocation in MIMO Systems," <i>International Journal of Wireless Communication</i>, vol. 9, no. 6, pp. 119-122, Jul. 2017. 15. S. Dasi, "Performance Analysis of Adaptive MMSE in DS-CDMA Systems," in <i>Proceedings of National Convention on Recent Advances in Microwaves, Antennas and Communications</i>, PVPSIT, India, Jul. 2016, pp. 118-122. 16. S. Dasi, "Energy Efficiency for MIMO-OFDM using Iterative Water Filling Algorithm," <i>International Journal of Research in Computer and Communication Technology</i>, vol. 4, no. 9, pp. 719-722, Sep. 2015. 17. S. Dasi, "Performance And Comparison Of Linear Multi User Detectors in DS - CDMA Using Chaotic Sequence," <i>International Journal of Advances in Engineering Research</i>, vol. 10, no. 3, pp. 189-192, Sep. 2015. 18. S. Dasi, "Efficient Data Transmission between Multiuser using CDMA Histogram Decoder," <i>International Journal of Applied Sciences, Engineering, Management</i>, vol. 3, no. 5, pp. 303-308, Sep. 2014. 19. S. Dasi, "Performance of Parallel Interference Cancellation Technique in Multistage Multiuser Detection for DS-CDMA System," <i>International Journal of Engineering Research and Applications</i>, vol. 2, no. 3, pp. 1983-1987, May-Jun. 2012. 20. S. Dasi, "Performance Analysis of Blind Adaptive Multi-user Detection in DS-CDMA," <i>International Journal of Engineering Research and Applications</i>, vol. 2, no. 5, pp. 1980-1984, Sep.-Oct. 2012. 21. S. Dasi, "BER performance of linear multiuser detectors in DS-CDMA," <i>International Journal of Scientific and Engineering Research</i>, vol. 3, no. 4, pp. 318-324, Apr. 2012. 22. S. Dasi, "IoT-Based Intelligent Energy Management for EV Charging Stations," <i>IAENG International Journal of Computer Science</i>, Volume 51, Issue 11, November 2024, Pages 1853-1861
	<p>International Conference Presentations:</p> <ol style="list-style-type: none"> 1. S. Dasi, "The State-of-the-art Energy Management Strategy in Hybrid Electric Vehicles for Real-time Optimization," in <i>IEEE 6th International Conference on Inventive Computation Technologies (ICICT)</i>, 2023, pp. 1637-1643. 2. S. Dasi, "A Review on Performance of MIMO Antenna for Wearable Applications," in <i>IEEE International Conference on Sustainable Communication Networks and Application (ICSCNA)</i>, 2023, pp. 546-550. 3. S. Dasi, "Design and Analysis of a Meta Material based Nested Circular Split Ring Resonator for Terahertz Applications," in <i>IEEE International Conference on Automation, Computing and Renewable Systems (ICACRS)</i>, Mountzion College, Dec. 2022, doi: 10.1109/ICACRS55517.2022.10029069. 4. S. Dasi, "Internet of Things (IoT) based Comprehensive testing of 5G network for Specific Absorption Rate (SAR)," in <i>IEEE International Conference on Electronics and Renewable Systems</i>

	<p>(ICEARS), St. Mother Theresa Engineering College, Tuticorin, Mar. 2022, pp. 506–510, doi: 10.1109/ICEARS53579.2022.9751967.</p> <ol style="list-style-type: none"> 5. S. Dasi, "Meta material antenna design wearable antenna and antenna analysis for wireless communications," in <i>IEEE International Conference on Communication, Computing & Internet of Things (IC3IoT)</i>, Sai Ram Engineering College, Chennai, Mar. 2022. 6. S. Dasi, "Reconfigurable band switching antenna for millimeter wave applications," in <i>IEEE International Conference on Communication, Computing & Internet of Things (IC3IoT)</i>, Sai Ram Engineering College, Chennai, Mar. 2022. 7. S. Dasi, "Design and implementation of linear feedback shift register based on GDI technique," in <i>International Conference on Advances in Signal Processing, VLSI, Communications and Embedded Systems (ICSVCE)</i>, Vardhaman College of Engineering, Hyderabad, Apr. 2021 8. S. Dasi, "Live Streaming Robot for Military Environment," in <i>International Conference on Recent Challenges in Engineering Science and Technology</i>, Ramachandra College of Engineering, Andhra Pradesh, Apr. 2021. 9. S. Dasi, "Design and Implementation of Dual Feed Circularly Polarized Dielectric Resonator Antenna for High Gain Applications," in <i>IEEE International Conference on Communication, Computing and Internet of Things (ICICT)</i>, Jun. 2020, pp. 907–911, doi: 10.1109/ICICT48043.2020.9112465. 10. S. Dasi, "Signal Processing and Communication Engineering Systems Spaces-2015," in <i>International Conference on Signal Processing and Communication Engineering Systems</i>, KL University, Jan. 2015.
Details of Patents Published / Granted	<ol style="list-style-type: none"> 1. Published and granted a patent – Banana Bunch Hanger with the application no: 360010-001 on 17-06-2022 (Granting Organization: Indian Patent office). 2. Published and granted a patent – IOT Based Wet And Dry Trash Bin with the application no: 385496-001 on 03-05-2023(Granting Organization: Indian Patent office). 3. Published a patent – Smart Egg Incubator with the application no: 385498-001 on 03-05-2023(Granting Organization: Indian Patent office).
Details of Certification Courses / Workshops / STTP's / FDP (participated / organized)	<p>Workshops/FDP's Attended</p> <ol style="list-style-type: none"> 1. Participated in one week training programme on “Instructional Design And Delivery Systems” conducted at PVPSIT by NITTTR (National Institute Of Technical Teachers Training & Research, Chennai from 8th to 12th July 2013. 2. Participated in the three day training Programme organized by the department of ECE , Prasad V Potluri Siddhartha Institute of

	<p>Technology ,Kanuru, Vijayawada on “ Advanced Microwave & Communication Engineering Equipment” held from 23rd to 25th of July, 2013.</p> <p>3. Participated in National Workshop on “Computerized Tomography-Medical & Industrial Applications (CTMIA)”, organized by signal processing research group (SPRG) Dept of ECE, KL University, Vaddeswaram, Guntur ,A.P during 10th August 2013.</p> <p>4. participated in AICTE sponsored National seminar on “Mathematical Challenges on Medical Image Processing” held on 27-28th December, 2013.</p> <p>5. Participated in one day training programme on “Effective Teaching Methodologies” organized by ISTE CHAPTER- Prasad VPotluri Siddhartha Institute of Technology ,Kanuru, Vijayawada on 26th July ,2014.</p> <p>6. Attended a one week workshop on “PCB Designing -Hands on Practice” which is organized by Effectronics Systems Pvt Ltd from 30th June to 5th July 2014.</p> <p>7. Attended a five day Faculty Development Programme on “Advanced Digital Signal Processing and Applications (ADSP-A)” at VRSEC, Vijayawada from 9th September to 13th September 2015.</p> <p>8. Attended a one week Faculty Development Programme on “Industrial Automation” under the National Mission on Education through ICT from 5th October 2015 to 9th October 2015 organized by National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh at PVPSIT conducted by Mechanical Engineering</p> <p>9. Attended a one week Faculty Development Programme on “CMOS Mixed signal and radio frequency VLSI design” at Pvp sit ,Vijayawada from 30th January 2017 to 4th February 2017.</p> <p>10. Attended a one week Faculty Development Programme “IoT for emerging Technical applications”, NIT Warangal from 21st -26th November 2016.</p>
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	<p>11. Attended a two day workshop on Leadership opportunities for professional Women “on 27.10.2018 to 28.10.2018 at Efftronics Vijayawada.</p> <p>12. Attended a two day hands on workshop on PCB Design and Prototype development organized by the department of Electronics and Communication Engineering, Vellore Institute of Technology, A.P. during 8th - 9 thDecember,2018</p> <p>13. Attendeda three day training on Programming Xilinx ZynqSoCusing MATLAB and Simulink conducted by MATHWORKS at Sri Vasavi Engineering College, Tadepalligudem during 25th - 27th February,2019.</p> <p>14. Attended a three day training on research methodology at KL university greenfields Guntur during 16.07.2019 to 18.07.2019.</p> <p>15. Attended a three day Faculty Development Programme on “Research Trends in Signal Processing, Antennae, VLSI &IoT” at Sri Vasavi Engineering College Tadepalligudem from 28th to 30th may 2020.</p> <p>16. Attended a five day Faculty Development Programme on “Recent Trendy Antenna Design and Analysis using EM Solver” at the institution of engineers (india) tirunelveli local centre, tirunelveli&wilma communicationsfrom 26th to 30th may 2020.</p> <p>17. Attended a seven day Faculty Development Programme on “Computer And Communication Networks” at Sri Sairam Institute of Technology,WestTambaram,Chennai from 21-05-2020 to 27-05-2020.</p> <p>18. Attended a three day Faculty Development Programme on “Recent Communication Tools And Its Application” at St Martins Engineering College Secunderabad from 19-05-2020 to 21-05-2020.</p> <p>19. Attended a two day Faculty Development Programme on “Open Source Tools & Software For Online Teaching” at Sri Vasavi Engineering College from 18-05-2020 to 19-05-2020.</p> <p>20. Attended a three day workshop on “Introduction to IOT and Arduino” at Anurag University,Hyderabad from 10-08-2020 to 12-08-2020.</p>
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	<p>21. Attended a six day Faculty Development Programme on “Artificial Intelligence using Python”at GMR Institute of Technology, Rajam, from 14-09-2020 to 19-09-2020.</p> <p>22. Attended a five day All India Council for Technical Education(AICTE) Faculty Development Programme on “Inculcating Universal Human Values in Technical Education” from 05-07-2021 to 09-07-2021</p> <p>23. Attended a five day workshop on “Insights of Research in Image and Video Processing” at Pimpri Chinchwad College of Engineering, Pune and SIG Coordination Team from 20-07-2021 to 24-07-2021</p> <p>24. Attended a twelve day All India Council for Technical Education(AICTE) Faculty Development Programme on “Outcome Based Curriculum-Design and Implementation” from 02-08-2021 to 13-08-2021</p> <p>25. Attended a six day Faculty Development Programme on “Mechine Learning algorithms for dead time systems from 24-29 january 2022 at Geethanjali college of engineering medchal .</p> <p>26. Attended a six day Faculty Development Programme on “Advancements on Antenna Technologies for future Applications” at VRSEC Vijayawada from 14-02-2022 to 19-02-2022.</p> <p>27. Attended a three day workshop on “National intellectual property awareness mission” at PVPSiddhartha institute of technology on 23-02-2022.</p> <p>28. Attended a one week workshop on “Advanced Communication Systems”Conducted by NITTTR Chennai from 28.02.2022 to 04.03.2022.</p> <p>29. Attended a one day seminar on Intellectual Rights with Focus on Patent Filing at National Institute of Technology PuducherryKaraikal on 25-07-2022 .</p> <p>30. Attended a one week workshop on Designing and modeling of IOT &ML systems organized by AICTE From August 1st To 5th 2022.</p> <p>31. Attended a six day Faculty Development Programme on Amazon Web Services (AWS)atGitam (deemed to be university), hyderbad campus from 22-08-2022 to 27-08-2022.</p>
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	<p>32. Attended a five day Faculty Development Programme on Enhancing Research Capabilities for Academic Career Progression at PVP Siddhartha Institute of technology organized by NITTR Chandigarh from 05-09-2022 to 09-09-2022.</p> <p>33. Attended a twelve day All India Council for Technical Education(AICTE) Faculty Development Programme on Internet of Things Based Green Energy Technologies at Lakireddybalireddy college of engineering from 17-10-2022 to 29-10-2022.</p> <p>34. Attended a three day Faculty Development Programme on Design and practical aspects of RF devices ,MEMS ,and antenna for 5G communications radar and electronic warfare at VR Siddhartha College of Engineering from 14-12-2022 to 16-12-2022.</p> <p>35. Attended a five day Faculty Development Programme on Thesis and Research Paper Writing at PVP Siddhartha Institute of technology organized by NITTR Kolkata from 30-1-2023 to 03-2-2023.</p> <p>36. Attended a five day Faculty Development Programme on Yoga in Daily Life at PVP Siddhartha Institute of technology from 13-2-2023 to 17-2-2023.</p> <p>37. Attended a five day All India Council for Technical Education(AICTE) Faculty Development Programme on “ Inculcating Universal Human Values in Technical Education II ” from 13-02-2023 to 18-02-2023.</p> <p>38. Attended a five day Faculty Development Programme on Antennas and Wireless Technologies at PVP Siddhartha Institute of technology organized by NITTR Chandigarh from 20-2-2023 to 24-2-2023.</p> <p>39. Attended a five day Faculty Development Programme on Design of high frequency antennas for real time applications organized by GMR Institute of Technology on 14-18th March 2023.</p> <p>40. Attended a five day Faculty Development Programme on Recent trends in wireless communication conducted by NITTR Chandigarh from 24/04/2023 to 28/04/2023.</p>
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	<p>41. Attended a 40 hour research methodology course organized at human resource development center Andhra university from 14-06-2023 to 29-06-2023.</p> <p>42. Attended a five day Faculty Development Programme on AI/ML and data science for industry 4.0 conducted by NITTTR Chandigarh from 21/08/2023 to 25/08/2023.</p> <p>43. Attended a five day Faculty Development Programme on Novel materials devices and applications at VRSEC from 11/12/2023 to 16/12/2023.</p> <p>44. Attended a three day workshop on the next generation VLSI & MEMS devices in medicine organized by VRSEC from 20th -2nd December 2023.</p> <p>45. Attended a one week FDP on 5G Beyond conducted by NITTTR Chandigarh from 05-02-2024 to 09-02-2024.</p> <p>46. Attended a one week FDP on Quality Research Paper and Funding Project Proposal Writing conducted by Siddhartha Academy of General & Technical Education from 11-03-2024 to 15-03-2024.</p> <p>47. Attended a one week FDP on Impact of AI conducted by VVIT Guntur from 22-04-2024 to 27-04-2024.</p> <p>48. Attended a one week FDP on Antenna Design for Modern Wireless Applications conducted by PVPSIT from 21-05-2024 to 22-05-2024,</p> <p>49. Attended a ONLINE NEP Orientation and Sensitization Programme conducted by Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) from 24-06-2024 to 02-07-2024.</p> <p>50. Attended a one week FDP on Graphics and Animation through Open Source Tools for Massive Open Online Courses (MOOCs) Development [MED-7] conducted by NITTTR, Chandigarh from 19-08-2024 to 23-08-2024.</p> <p>51. Attended a one week FDP on Semiconductor Devices, Modelling & Circuit Technology: Recent Advancements conducted by Lendi Institute of Engineering & Technology vizainagaram from 19-08-2024 to 24-08-2024.</p> <p>52. Attended a one week FDP on on 5G and beyond during 5th - 9 th February 2024 in association with NITTTR Chandigarh.</p>
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	<p>53. Attended a one week FDP on IoT and Embedded Systems conducted by NITTTR, Chandigarh from 23/09/2024 to 27/09/2024.</p> <p>54. Attended a one week FDP on AI for Engineering Applications Systems conducted by NITTTR, Chandigarh from 04/11/2024 to 08/11/2024.</p> <p>Workshops acted as Resource person</p> <ol style="list-style-type: none"> 1. Acted as a Resource person in the joint training program conducted with the collaboration of Effectronics Systems Pvt Ltd on “PCB Design and making” held on 14-15 November 2014. 2. A Workshop was conducted on “PCB Design” for the students of Government Polytechnique College from 9th November, 2016 to 15th November, 2016. 3. A one day Training Programme was organized on “PCB Designing & Soldering practice” on 3rd March, 2018 for II B.Tech. in association with Effectronics Pvt. Ltd., under IETE Students Forum. 4. Acted as a Resource person in AICTE hybrid FDP on Applications of IOT in mechanical Engineering from 14/11/2022 to 25/11/2022 at PVP Siddhartha Institute of Technology. 5. Acted as a Resource person A Short term course on 5G and beyond during 5th - 9th February 2024 in association with NITTTR Chandigarh. <p>CERTIFICATION COURSES COMPLETED</p> <ol style="list-style-type: none"> 1. Completed a 12 week course on Electromagnetic Theory conducted by IIT Kanpur from Jan-April 2018 on swayam NPTEL platform. 2. Completed a course on Wireless 4g-5g enabling technologies on 19-02-2022 using a Infosys spring board platform. 3. Completed a course on Basics of python on 21-06-2022 using a Infosys spring board platform. 4. Completed a course on AI for everyone on 05/01/2020 conducted by Stanford University using Coursera platform. 5. Completed a course on Introduction to programming with MATLAB on 07-07-2020 conducted by Vanderbilt University using Coursera platform.
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	<p>6. Completed a course on Introduction to electronics on 15-06-2020 conducted by Georgia institute of technology using Cousera platform</p> <p>7. Completed a course on Wireless communications for everybody on 21-07-2021 conducted by onsei university using Cousera platform</p> <p>8. Completed (1-2186773295) a Self-learning assessment course conducted by AICTE –PARAK on 24-02-2022.</p> <p>9. Completed a Innovation level ambassador foundation level training for 30 contact hours conducted by MOE’s innovation cell and AICTE during the academic year 2021-2022.</p> <p>10. Completed a course on Machine learning on 06-05-2022 using a Infosys spring board platform.</p> <p>11. Completed a Python foundation certification on 024-03-2023 using a Infosys spring board platform.</p> <p>12. Completed a course on Internet of things101 on 27-02-2023 using a Infosys spring board platform.</p> <p>13. Completed a course on Accreditation and Outcome Based Learning 8 week course conducted by IIT Kanpur from Aug-Oct 2023 on swayam NPTEL platform(Elite+Gold).</p> <p>14. Completed a course on Problem Solving through Programming In C (12 week course) conducted by IIT Karagpur from Jan-Apr 2024 on swayam NPTEL platform(Elite+Silver).</p> <p>15. Completed a course on Art of C Programming (10 week course) conducted by University of Calicut from month of Jan - May 2024.</p> <p>16. Completed a course on Introduction to Internet of Things (12 week course) conducted by IIT Kanpur from Jul-Oct 2024.</p>
Details of Projects Applied / Awarded	---
Any Other information	--

