Department of ECE

Name: Swarna Sree Chandra

Designation: Associate professor

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Faculty(Details)

International /National Journals:

1. S.Sree Chandra, B.Rajesh, A Collective remote control with haptic interface for home Appliances, International Journal of Engineering & Science Research, Vol.2, Issue 8, Aug. 2012, pp.833-842.

2. Rajesh katragadda, S. Sreechandra , E.adinarayana, High speed Implementation of a 64-Bit RISC processor with BIST compatibility using MAC unit in VHDL ,International Journal of Engineering & science research, Vol.2, Issue 12, Dec. 2012, pp.1991-1997.

3. R.Kishore Kumar, S.Sreechandra, Improvement of BIT error probability (BEPS) of the two level FH-CDMA scheme for wireless communication systems over noisy channel, International Journal of Research in Advent Technology, Vol.1, Issue 4, November 2013, pp.123-131.

4. Koteswararao Karpurapu, S.Sreechandra, VSR Kumari, A Novel Approach to improve Quality of service in Wireless Mesh Networks, International Journal of Engineering& Science Research, Vol .3, Issue 12, December 2013, pp.6078-6084.

5. S.V.Prasanna, S.Sreechandra, VSR Kumari, Optimal Path Management and Routing Protocol for Mobile Ad hoc Networks, Proceedings of International Conference on Computing, 2015, pp.197-201.

6. K.Naga Aparna, S.Sreechandra, Design of A Competent Aging –Aware Reliable Multiplier using variable latency with adaptive hold logic, Imperial Journal of Inter disciplinary Research, Vol.2, Issue 10, 2016, pp.1619-1624.

7. Dr. Balamuralikrishna Potti, Sree Chandra S. Cluster-based Novel routing Protocol to improve QoS in Wireless Sensor Networks, International Journal of Innovations and Advancement in Computer Science, Volume 7, Issue 4, April 2018, pp. 401-411.

8. S. Sreechandra, S. Mounica and Suresh V, Design and Implementation of efficient FFT Processor using Modular Multiplier, Pramana Research Journal, Volume 8, Issue 12, 2018, pp. 47-51.

9. Swarna Sreechandra, Dr. K. Satya Prasad and Dr. Balamuralikrishna Potti, "Joint Spectrum Sensing Scheme for Cognitive Radio Networks with Dynamic Noise

Variance", Proceedings of International Conference on Recent Challenges in Science, Engineering and Technology, 28th- 29th February 2020, ISBN: 978-93-89107-81-4.

10. Swarna Sreechandra, Dr. K. Satya Prasad and Dr. Balamuralikrishna Potti, "Novel Multiple Access Scheme for 5G Networks to alleviate Access Congestion", Proceedings of International Conference on Recent Challenges in Science, Engineering and Technology, 28th- 29th February 2020, ISBN: 978-93-89107-81-4.

11. Dr.P.Bala Murali Krishna, Sree Chandra Swarna, Design and Analysis Channel Estimation in Vehicular Communications IEEE 802.11p Based ICDAP, volume 5, issue 2, may 2018.

12. Dr.P.Bala Murali Krishna, Sree Chandra Swarna, Heterogeneous Traffic Multi-Radio Communication based Cooperative Learning algorithm in 5G networks , volume 6, issue 2, April 2019.

13. Dr. Balamuralikrishna Potti, Sree Chandra Swarna. Implementation of Finite Impulse Response Filter on Field Programmable Gate Array, The International Journal Of Analytical And Experimental Modal Analysis, Volume XI, Issue II, February/2019.

14. Dr. Balamuralikrishna Potti, Sree Chandra S. Cluster-based Novel routing Protocol to improve QoS in Wireless Sensor Networks, Journal of Interdisciplinary Cycle Research, Volume X, Issue IX, Septmber/2018, pp15-25.

Conferences Coordinated/Attended

1. Organized as Coordinator an International Conference on Recent Challenges in Science, Engineering and Technology -2020 (ICRCSET-2020) on 28th & 29th February 2020 at Chalapathi Institute of Technology, Guntur in association with IFERP, Chennai.

2. Organized as Coordinator an International Conference on Recent Challenges in Science, Engineering and Technology -2021 (ICRCSET-2021) on 25th April 2021 at Chalapathi Institute of Technology, Guntur in association

3. Presented a paper titled, "Joint Spectrum Sensing Scheme for Cognitive Radio Networks with Dynamic Noise Variance", in the International Conference on Recent Challenges in Science, Engineering and Technology, 28th- 29th February 2020, at Chalapathi Institute of Technology, Guntur.

4. Presented a paper titled, "Novel Multiple Access Scheme for 5G Networks to alleviate Access Congestion", in the International Conference on Recent Challenges in Science, Engineering and Technology, 28th- 29th February 2020, at Chalapathi Institute of Technology, Guntur.

5. Presented a paper titled, "Number plate recognition using VHDL", in the International Conference on Recent Challenges in Science, Engineering and Technology-2021, 25 th April 2021, at Chalapathi Institute of Technology, Guntur.

6. Presented a paper entitled "Cluster-based Novel routing Protocol to improve QoS in Wireless Sensor Networks" in the International conference on Electrical, Electronics & Communication Engineering (ICEECE-2018) on 27th and 28th April 2018 at St. Peters Engineering College, Hyderabad.

7.

AICTE Sponsored Programmes Organized:

1. Organized as Core team member the AICTE-ISTE Sponsored Refresher Program on 5G Cognitive Communication on 17th January 2022 – 22nd January 2022.

FDP's and Workshops Attended/Coordinated:

1. Presented a Paper Titled "OFDM Modulator Implementation for Software Defined Radio" in the National Conference "Emerging Trends in Electronics & Communication-2010" organized by St. Ann's College of Engineering & Technology, Chirala on 6th February 2010.

2. Attented A Two-Day National Level Workshop on "Wireless Networks and Simulation" at SMITW, Guntur on 16th & 17th December, 2011.

3. Attended A Two-day Workshop on Digital Image Processing at SMCE, Guntur on 30th & 31st September, 2012.

4. Participated in Mission 10X workshop conducted at Sri Mittapalli College of Engineering, Guntur from 7th to 11th May 2012.

5. Attended A Four-day Workshop on "Advanced Embedded Systems Design and Applications" organized by Sigma Computing Solutions (I) Pvt. Ltd. In association with Sri Mittapalli Colllege of Engineering, Guntur from 22nd – 25th September 2014.

6. Attended a workshop on "Raspberry Pi" organized by Blackbuck Engineers & Company at Sri Mittapalli College of Engineering, Guntur on 4th & 5th August 2015.

7. Participated in the Two-day workshop on "Advanced Low Power VLSI Design" conducted during 25th-26th July 2016 by Pantech ProEd Pvt. Ltd. In association with Sri Mittapalli College of Engineering, Guntur.

8. Attended A one day Faculty Development Program on "Research Methodology & Technical Paper Writing" on 7th January 2017 at Sri Mittapalli College of Engineering, Guntur.

9. Attended A Three- Day Workshop on "Research Methodologies" at KL University from 4th to 6th January, 2018.

10. Acted as Convener for a Three-day workshop on Embedded Systems organized by Sri Mittapalli Institute of Technology for Women, Guntur in collaboration with Andhra Pradesh State Skill Development Corporation on 26th - 28th July 2018.

11. Acted as Convener for a Two-day workshop on PCB Design and Fabrication organized by Sri Mittapalli Institute of Technology for Women, Guntur in collaboration with LemonPro Software Solutions, Hyderabad on 10th & 11th January 2019.

12. Participated in the five-day online faculty development program (OFDP) on PHP and MySQL by School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology (VIT) Chennai in association with Teaching Learning Centre (ICT) of IIT Bombay from 11th May 2020 to 15th May 2020.

13. Participated in One Week Online Faculty Development Program on "Research Challenges and Opportunities Post COVID-19 (RECOP 2020)" organized by Research & Development Cell and Institution's Innovation Council of Sri Vasavi Engineering College (Autonomous) during 4-9 May 2020.

14. Participated in One Week Faculty Development Program on Online Teaching Etiquette and Best Practices from 10-05-2020 to 15-05-2020, Organized by Santhiram Engineering College, Nandyal in collaboration with Talentio Solutions India Pvt. Ltd., Hyderabad.

15. Successfully completed the Arduino Training offered by Spoken Tutorial Project, IIT Bombay during May 2020.

16. Successfully completed the Scilab Training offered by Spoken Tutorial Project, IIT Bombay during May 2020.

17. Participated in A Five Days Online Faculty Development Programme on "RECENT COMMUNICATION TOOLS AND ITS APPLICATION" Organized by Department of Electronics and Communication Engineering from 19th to 23rd May, 2020.

18. Participated and successfully completed One Week Online Faculty Development Programme on "Effective Proposal Writing for Research and Funding" organized by Department of Electronics & Telecommunication Engineering In association with IEEE Women in Engineering from 13th May to 18th May 2020.

19. Participated in One Week Online Faculty Development Program on "Advanced Antenna Design Using HFSS" Organized by Department of ECE , Santhiram Engineering College, Nandyal in collaboration with Vardhaman College of Engineering ,Hyderabad from 12-05-2020 to 17-05-2020.

20. Completed one-week Faculty Development Program on "ICT Tools" in association with STP-IIT Bombay, during 15th -16th May 2020, with score 65%, organized by the Department of Information Technology, Sree Vidyanikethan Engineering College, Tirupathi.

21. Participated and successfully completed APSSDC online FDP on Embedded Systems from 25/05/2020 to 06/06/2020.

22. Participated in One Week Faculty Development Program on ROLE OF TEACHERS IN QUALITY ENHANCEMENT & ACCREDITATION Organized by Santhiram Engineering College, Nandyal in Association with Kristu Jayanti College, Bangalore from 05.06.2020 to 11.06.2020.

23. Completed the 5 days online FDP on Computing and Signal Processing in IoT Applications (23-27 May 2020) organized by QIS College of Engineering and Technology, Ongole and IEEE SSIT Society, Madras Section.

24. Participated in AICTE sponsored one-week online STTP on "Wireless Communications-Future IoT" organized by Department of ECE, Vardhaman College of Engineering, Hyderabad from 20th – 25th July 2020.

25. Participated in one-week online FDP on "Big Data Tools" from 18th – 23rd May 2020 organized by St. Martin's Engineering College in association with CSI, Hyderabad.

26. Participated in the five-day online faculty development program (OFDP) on PHP and MySQL by School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology (VIT) Chennai in association with Teaching Learning Centre (ICT) of IIT Bombay from 11th May 2020 to 15th May 2020.

27. Participated in one-week online faculty development program on "Artificial Intelligence" from 13th-18th May 2020 organized by Department of Computer Science and Engineering, Santhiram Engineering College, Nandyal in association with Brain O Vision, Hyderabad.

28. Completed course on "Advance Python Programming" from 27-04-2020 to 22-05-2020 conducted by Data Teach Labs.

29. Participated and successfully completed APSSDC online FDP on Python Programming from 10-05-2020 to 30-05-2020.

30. Successfully completed "AICTE Sponsored one-week STTP on recent trends in wireless sensor networks and Applications" organized by Malla Reddy Engineering College for Women during 3rd to 8th August 2020.

31. Participated in 5-Day FDP on "Digital VLSI Design and Verification "on 23rd to 27th August 2021.

32. Participated in AICTE sponsored Short Term Training Program on "Trends and Challenges in Medical Image Analysis Through Deep Learning Algorithms" Phase-IV on 13-18 Sep 2021.

Professional Memberships

S.No	Organization	Membership Number	Membership Type
1	IAENG	294550	Life time