



SRM Valliammai Engineering College

(An Autonomous Institution)


SRM Nagar, Kattankulathur-603203, Kancheepuram District, Tamil Nadu

TEL : 044 - 27454784 / 726, FAX : 044 - 27451504

Department of Electronics and communication Engineering

Personal Details

Name :	Dr. S.R.Preethi	
Designation :	Assistant Professor (Ordinary Grade)	
Educational Qualification :	M.E.	
Experience:	7 Years 10 months	
Area of Specialization :	Applied electronics	
Date of Birth :	03/10/1990	
Date of Joining :	16/06/2014	
Email ID :	srpreethi31090@gmail.com	
Contact Numbers :	9003083713	Extn:-



Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E.	ECE	Anand Institute of Higher Technology	2012
2	M.Tech.	Applied Electronics	St.Joseph's College of Engineering	2014
3	Ph.D	Information and Communication	Anna University	2021

Professional Society Memberships

1. Indian Society of Technical Education (ISTE) - Life Member
2. Indian Science Congress Association (ISCA)- Member
3. International Association of Engineers (IAENG)- Life Member
4. Computer Society of India (CSI) - Life Member
5. IEEE Systems Council – Life Member
6. Institution of Electronics and Telecommunication Engineers (IETE)- Life Member

Publication Details

Patents:

Patent published on the topic "AI based control adaptive automation system".

Journals:

1. P.Latha, M.A.Bhagyaveni, S.R.Preethi, "Efficient removal of Impulse Noise from Video using Adaptive Threshold Algorithm", *Journal of Theoretical and Applied Information Technology*, Vol. 64 No.1, June 2014.
2. S.R.Preethi, P.Latha, "Adaptive Denoising Technique for Colour Images", *International Journal of Research in Engineering and Technology*, Vol 4, Issue 3, March 2015.
3. K.Suguna, S.R.Preethi, "An energy-efficient clustering based cooperative spectrum sensing for cognitive radio sensor networks", *International Journal of Applied Engineering Research*, Volume 10, Issue 20, December 2015. pp 20015-20020.
4. S.R.Preethi, "Medbox: A Reliable E-Caregiver Smart System Using Iot", *International Innovative Research Journal of Engineering and Technology*, Vol 2, Issue 4, March 2017, 132-140.

5. Priyanka.G, [S.R.Preethi](#), Irene Pon Renita.H, PadmaPriya.B, Preethi.N, "Application Specific Intellectual Backpack", *International Journal of Engineering and Manufacturing Science*, Vol 8 Issue 3,2018.
6. [S.R. Preethi](#), Adithya M P N, Antony Rosario J, Balaji H, "Portable Biometric E-Voting System", *International Research Journal of Engineering and Technology* , Vol 6 Issue 3,2019.pp 603- 605.
7. A. Akshaya, R. Aravind, J. Bilany Britto, [S.R. Preethi](#), "Human Hand Movement Training with Exoskeleton Arm", *International Research Journal of Engineering and Technology*, Vol 6 Issue 2, 2019. pp 1988-1992.
8. [S.R.Preethi](#), Dr.Murugan Mahalingam, Dr.Revathi Arumugam Rajendran , "Design, Implementation and Power Analysis of Pervasive Adaptive Resourceful Smart Lighting and Alerting Devices in Developing Countries Supporting Incandescent and LED Light Bulbs", *Sensors*,Vol 19 Issue 9,2019.pp 2032.
9. [S.R.Preethi](#), Dr.Murugan Mahalingam, Dr.Revathi Arumugam Rajendran , "Review of Intellectual Video Surveillance Through Internet of Things", in Peter, D., Alavi, A. H., Javadi, ,B., Fernandes, S.L. (Ed.): 'In Intelligent Data-Centric Systems, The Cognitive Approach in Cloud Computing and Internet of Things Technologies for Surveillance Tracking Systems' (Academic Press, 2020, 1st edn), pp. 141-155
10. R. Karthiga, B. Keerthiga, [S.R. Preethi](#), " Analysis of Machine Learning Techniques" *i-Manager's Journal on Computer Science*, Vol 7, Issue 3, 2019. Pp 46.
11. Ambarish.G.K,Baranidharan.K, Aravind.A.S, [S.R. Preethi](#)," Scope of Cloud platform, Raspberry pi 4, machine learning algorithms and frameworks for smart edge computing", *International Journal of Research & Technology*, Vol 8, Issue 3,2020 Pp178-181.
12. [S. R. Preethi](#), A. R. Revathi, and M. Murugan, "Exploration of Cough Recognition Technologies Grounded on Sensors and Artificial Intelligence," *Studies in Big Data*, pp. 193–214, 2020, doi: 10.1007/978-981-15-8097-0_8.
13. [Dr. S. R. Preethi](#), A. R. Revathi, and M. Murugan, "Perspectives of Machine Learning and Deep Learning in Internet of Things and Cloud: Artificial Intelligence-Based Internet of Things System." *In Challenges and Opportunities for the Convergence of IoT, Big Data, and Cloud Computing*, pp. 279-295. IGI Global, 2021.
14. Manikandan.L.R., Mohamed Rayhan.G.U.I., Prabhu.P., [Dr.S.R.Preethi](#), "Fish recognition and detection based on deep learning", *International Research Journal of Engineering and Technology*, Vol 8, Issue 4,2021,pp 98-102.
15. Karthi. K, Kearthiga. R, Kesavan. P.V, Nivedha. G, [Dr. S.R.Preethi](#), "Aquaculture environmental surveillance:", *JAC : A Journal Of Composition Theory*, Vol 14, Issue 4,2021,pp 25-29.
- 16 Angelina, J., Bathula Murali Krishna,Dr A. R. Revathi, and [Dr.S. R. Preethi](#). "A Review on the Detection of Skull by Forensic Analysis." *Indian Journal of Forensic Medicine & Toxicology*, Vol 15, Issue. 4, 2021,pp :1492-1500.
17. Dr. Anchitaalagammai, J. V., Verma, R., Kavitha, M., Dr. Revathi, A. R.,[Dr. Preethi, S. R.](#), "Fuzzy Based Reliable Load Balanced Routing Approach for Ad hoc Sensor Networks." *Computer Systems Science and Engineering*, Vol.41,Issue.3,2022,pp. 861–874.

Conferences:

1. [S.R.Preethi](#), P. Latha, "Reconfigurable SoC for removal of impulse noise from colour video in WSN" , Proceedings of IEEE sponsored Online International Conference on Green Emerging Technologies OICGET-15, 27th November 2015.
2. K.Suguna, [S.R.Preethi](#), "An energy-efficient clustering based cooperative spectrum sensing for cognitive radio sensor networks" Proceedings of IEEE sponsored Online International Conference on Green Emerging Technologies OICGET-15, 27th November 2015.
3. [S. R. Preethi](#), Dr. M. Murugan, Dr. A. R. Revathi, "Review Of Intellectual Video Surveillance through Internet of Things." Proceedings of International Conference on Artificial Intelligence Smart Grid and Smart City Applications, 3-5 January 2019.
4. [S.R.Preethi](#), M. Navin Raaj, K. Nikitha, C. Praveen Kumar, "Intelligent water monitoring system using IoT" Proceedings of International Conference on Contemporary Engineering and Technology,2020. ISBN-978-93-81288-22-1.
5. Lakshmi Praba. A and [Dr. S.R.Preethi](#), "Analysis on Deep Learning and its types",Proceedings of International conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering, (ICSA), 10th April, 2021.

Research and Development Details

1. *No. of Research Projects Completed: Nil*
2. *No. of Patents Filed: 01*
3. *No. of Ph.D candidates guided/guiding: Nil*
4. *No of Conferences Convened: Nil*

Other Particulars

1. Reviewer of IGI Publishers.
2. Reviewer of Elsevier- Measurements Journals.
3. Reviewer of IET Circuits, Devices and Systems.
4. Reviewer of IET Electronic Letters.
5. Reviewer of IET Wireless Sensor Systems..
6. Reviewer of IJRT journal.
7. Ambassador of Bentham Publishers.
8. Reviewer of Springer- Journal of Ambient Intelligence and Humanized Computing
9. Resource Person for Soft skills and Profession Etiquette conducted by Dept of Placement and career guidance in November 2014.
10. Resource Person for FDP on “EC6702-Optical Communication and Networks” by Dept of ECE, SRMVEC, June 2016.
11. Delivered a lecture in a session in the Webinar titled “A Glimpse about Internet of things and artificial intelligence” on 19/06/2020, organized by Dept. of CSE, Idhaya Engineering College for Women.
12. Delivered a lecture in a session in the AICTE sponsored Six days Online Short Term Training Programme (STTP) on “ IoT and its applications-I” from 26.10.2020 to 31.10.2020, organized by Dept. of IT, SRMVEC.
13. Delivered a lecture in a session in the AICTE sponsored Six days Online Short Term Training Programme (STTP) on “A Hands - on Approach for Design & Implementation of Digital Circuits using Open Source Computer Aided Design (CAD) Tools - III” from 23.11.2020 to 28.11.2020, organized by Dept. of ECE, SRMVEC.
14. Delivered a lecture in a session in the AICTE sponsored Six days Online Short Term Training Programme (STTP) on “Perspectives of Block Chain integrated with IoT: Challenges and opportunities” from 05.07.2021 to 09.07.2021, organized by Dept. of ECE, PSNA college of Engineering and technology, Dindigul.
15. Contributed as a Primary Evaluator in AICTE and Ministry of Education’s Innovation Cell sponsored “Toycathon 2021”.
16. Google scholar: <https://scholar.google.co.in/citations?hl=en&user=Q8m0FOAAAAAJ>