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EDUCATIONAL QUALIFICATION:

- **Bachelor of Engineering** from Sethu Institute of Technology ,Madurai Kamaraj university, Madurai.
- **M.Tech(Distributed Computing Systems)** from Pondicherry Engineering College,Pondicherry.
- **Ph.D(Information and Communication Engineering)** from Anna University Chennai.

WORKING EXPERIENCE

- ➢ Worked as a programmer at Manal Infosystems, Chennai from June 1999 to July 2000.
- ➢ Worked as a Lecturer in TamilNadu College of Engineering, Coimbatore from July 2000 to June 2001
- ➢ Worked as a Lecturer in computer science Department at Amrita Institute of Technology, June '2001 -2003
- ➢ Worked as a Senior Lecturer in computer science Department at Amrita Institute of Technology, Amrita Vishwa Vidya peetham(Deemed University) from June 2003 –2006
- ➢ Working as a Assistant Professor(Selection Grade) in computer science Department at Amrita Institute of Technology, Amrita Vishwa Vidya peetham(Deemed University) from June 2006 –August'2014
- ➢ Working as a Associate Professor in computer science Department at Amrita Institute of Technology, Amrita Vishwa Vidya peetham(Deemed University) from September2014-till date

Experience :

Teaching Experience : 19 years

Number of Ph.D scholars guiding   : 3

List of scopus publications

1. T. Senthil Kumar, K. S. Gautam, H. Haritha "Debris Detection and Tracking System in Water Bodies Using Motion Estimation Technique," In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of the 6th International Conference on Innovations in Bio-Inspired Computing and Applications IBICA 2015 , 424, pp 275-284, (ISBN: 978-3-319-28030-1 (Print) 978-3-319-28031-8 (Online))

2. K. S. Gautam, and T. Senthil Kumar, "Discrimination and Detection of Face and Non-face Using Multilayer Feedforward Perceptron," *In Advances in Intelligent Systems and Computing published* – Springer – *from the proceedings of International Conference ICSCS 2015*, 2016, Vol. 397, pp. 89-103. (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online)).

3. Sahla.K.S , T.Senthil Kumar," Classroom Teaching Assessment Based on Student Emotions", ," In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of the International conference on Intelligent Systems Technologies and Applications ISTA 2016,pp.475-486,2016.

4. S Sreelakshmi, Anupa Vijai, and T. Senthilkumar, "Detection and Segmentation of Cluttered Objects from Texture Cluttered Scene," In Advances in Intelligent Systems and Computing published by Springer - from the proceedings of International Conference ICSCS 2015, 2016, Vol. 397, pp. 249-257, (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online)).

5. Vishnu Reghu, and T. Senthil Kumar, "Gesture Controlled Automation for Physically Impaired," In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of International Conference ICSCS 2015 ,2016, Vol. 397, pp. 673-683, (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online))

6. T. Senthil Kumar, and G. Narmatha, "Video Analysis for Malpractice Detection in Classroom Examination", In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of

International Conference ICSCS 2015, 2016, Vol. 397, pp.135-146 (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0

7. T.Senthil Kumar and G.Narmatha," Suspicious human activity detection in classroom examination",In Advances in Intelligent Systems and Computing-Springer from the proceedings of International Conference on Computational Intelligence, Cyber Security and Computational Models, ICC3 2015, Vol. 412, pp.99-108,2016.

8. Senthil Kumar.T,Saivenkateswaran,"Evaluation of Video Analytics for face detection and recognition",International Journal of Applied Engineering research,Vol.10,Issue9,2015,pp.24003-2016.

9. T.Senthil Kumar,Swathi Pandey,"Customization of Recommendation System Using Collaborative Filtering Algorithm",on Cloud Using Mahout",Intelligent Distributed Computing,Advances in Intelligent Computing,Vol.321,pp.1-11,2015

10. Radhika, G., Senthil Kumar, T.,Mangayarkarasi, N., Nirmala, R." Virtual try of a jewellery using skin classifiers", In International Journal of Control Theory and Applications, Vol. 9(5), 2016, pp. 2275-2278 (ISSN: 09745572)

11. T.Senthil Kumar, ABHIJIT SURESH, Aadarsh Karumathil, "Improvised Classification Model for Cloud based Authentication using Keystroke Dynamics" Frontier and innovation in Future Computing and Communications Lecture Notes In Electrical Engineering (LNEE) Volume 301, pp.885-893,2014

12. T. Senthil Kumar and K.I. Ohhm Prakash," A Queueing Model for e-Learning System", Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, Advances in Intelligent Systems and Computing 325,pp.89-95,2015

13. Abijith Sankar, P. Divya Bharathi, M. Midhun, K. Vijay, and T. Senthil Kumar, "A Conjectural Study on Machine Learning Algorithms," In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of International Conference ICSCS 2015 2016, Vol.397, pp. 105-116, (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online)).

14. G. Radhika , T. Senthil Kumar, P. Privin Dolleth Reyner, G. Leela, and N. Mangayarkarasi, "3D Modelling of a Jewellery and Its Virtual Try-on", In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of International Conference ICSCS 2015 2016, Vol.

397, pp.157-165, (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online).

15. Siva V. Girish , R. Prakash, S. N. H. Swetha, Gargi Pareek, and T. Senthil Kumar, "A Network Model of GUI-Based Implementation of Sensor Node for Indoor Air Quality Monitoring," In Advances in Intelligent Systems and Computing published - Springer, 2016 - from the proceedings of International Conference ICSCS 2015 Vol. 397, pp.209-217, (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online)).

16. N. M. Dhanya, T. Senthil Kumar, C. Sujithra, S. Prasanth, and U. K. Shruthi, "Pedagogue: A Model for Improving Core Competency Level in Placement Interviews Through Interactive Android Application," In Advances in Intelligent Systems and Computing published by Springer - from the proceedings of International Conference ICSCS 2015, 2016, Vol. 397, pp. 67-77, (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online))

17. Suganya.R. , Rajaram.S. , Vishalini.S, Meena.R , Senthil Kumar.T ," Dental image retrieval using fused local binary pattern & scale invariant feature transform", In Advances in Intelligent Systems and Computing published by Springer-from the proceedings of 2nd International Symposium on Signal Processing and Intelligent Recognition Systems, SIRS 2015, Vol. 425, pp. 215-224,2016.

18. Nirmala.R,Senthil Kumar Thangavel,"Develop, implement and evaluvate a multimodal system for government organization", Proceedings of 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017 ,,pp.111-117,2017

19. D.Kavin,Senthil Kumar Thangavel,"Improving capabilities for visually challenged person in library environment",,Proceedings of 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017 ,,pp.1-10,2017

20.K.S.Gautam,Senthil Kumar Thangavel,"Hidden object detection for classification of threat", Proceedings of 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017,pp.253-263,2017

21.Manesh Murthi,Senthil Kumar Thangavel,"A semi automated system for smart harvesting of tea leaves",Proceedings of 4th International

Conference on Advanced Computing and Communication Systems, ICACCS 2017,pp.273-282,2017

22.Abijitk Sankar,P. Divya Bharathi, "Student placement analyzer: A recommendation system using machine learning", Proceedings of 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017,pp.400-410,2017.

23. Haritha H., Senthil Kumar T.," Survey on various traffic monitoring and reasoning techniques", Advances in Intelligent Systems and Computing,pp.507-516,2017

24. Venkatesh Kumar U., Senthil Kumar Thangavel," Deep learning for I2V communication using moving QR code", Journal of Advanced Research in Dynamical and Control Systems,Vol.9,pp.892-899,2018

25. Anand Muraleedharan Geetha ,Senthil Kumar Thangavel," Deep learning for driver assistance using estimated trajectory complexity parameter", Journal of Advanced Research in Dynamical and Control Systems,Vol.9,pp.871-879, 2018

26. Kela Ranjith Ramakrishnan,Senthil Kumar Thangavel,"" Deep Learning for Identification and Validation of objects and data viewed through vehicle windshield in Lab Environment – a D-CNN approach", Journal of Advanced Research in Dynamical and Control Systems,pp.880-891, Vol.9,2018

27. K. S. Gautam , T.Senthilkumar "Hidden object detection for classification of threat," International Journal of Computer Aided Engineering and Technology, Inderscience publishers **(Scopus Indexed) (Under Production) (SJR 2017: 0.131)**

28. K. S. Gautam ,T.Senthil Kumar, "Video Analytics based Intelligent Surveillance System for Smart Buildings" Cluster Computing, Springer **(Scopus Indexed) (Special edition: Smart City) (Under Production) (Impact factor 2.040)**

29.Senthil Kumar Thangavel,Nirmala Rajendran,karthikeyan Vaiyapury,"Defocus Map Based Segmentation of Automative Vehicles", In Lecture Notes in Computational Vision and BioInformatics, published by Springer-from the proceedings International Conference on ISMAC in

Computational Vision and Bio-Engineering 2018(ISMAC-CVB), Vol. 425, pp. 131-150,2019.

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33. K.S.Gautam,Senthil Kumar Thangavel,"Video analytics-based intelligent surveillance system for smart buildings", Springer Soft computing ,pp.2813-2837,2019(**Impact Factor -2.367**)