

Sethu Institute of Technology
An Autonomous Institution
Pulloor, Kariapatti – 626 115, Virudhunagar



<u>Department of Computer Science and Engineering</u>			
NAME	Shunmughavel Vivekanandam		
UNIQUE ID	FD2077		
DESIGNATION	Professor & Head , M.E.CSE		
QUALIFICATION	M.E.,PhD		
EMAIL ID	shunmughavel@sethu.ac.in		
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EXPERIENCE	INDUSTRY	TEACHING	TOTAL
	10	21	31
DATE OF JOINING THE INSTITUTION	20.06.2022		
RESEARCH FOCUS	Information Retrieval, Data Mining, IoT & AI		
SUBJECT COMPETENCY	Object Oriented Analysis and Design, Software Engineering, Python Programming		
NO OF JOURNAL PUBLICATION (INTERNATIONAL/NATIONAL)	15		
NO OF CONFERENCE ATTENDED (INTERNATIONAL/NATIONAL)	National – 7 International - 9		
NO OF BOOKS PUBLISHED	Book Chapters - 2		



Academic Credentials

Level	Degree	Specialization	University	Year of Completion
PG	M.E.	Computer Science	Anna University	2007
Ph.D	PhD	Information & Communication Engineering	Anna University	2015

Details of Journal Publication:

- Dhamodharan Srinivasan¹, Shunmughavel V, Mohanbabu Gopalakrishnan 2022 “ Design and Analysis of M-Shaped Micro strip Patch Antenna for Iot Applications”, Periodico Di Mineralogia, ISSN: 0369-8963, Volume 91, No. 4, doi.org/10.37896/pd91.4/91480.
- Shunmughavel, V 2022 “Vision Challenge, Futuristic Approach of Mechanic Learning in 6G Wireless Technology - Handbook of Research on Design, Deployment, Automation and Testing Strategies for 6G Mobile Core Network”. IGI – Global, ISBN13: 9781799836364, EISBN13: 9781799896388, - 1-7998-3375-8
- Shunmughavel, V 2020 “Challenges to Industrial Internet of Things (IIoT) Adoption -Innovations in the Industrial Internet of Things (IIoT) and Smart Factory”. IGI – Global , ISBN13: 9781799833758 , EISBN13: 9781799833772, DOI: 10.4018/978- 1-7998-3375-8
- Arockia Christopher, AB & Shunmughavel V, V 2016 “Large Scale Data Analysis on Aviation Accident Database using different Data Mining Techniques”. Aeronautical Journal, Royal Aeronautical Society, London, ISSN: 0001 9240 (Anna University Chennai Annexure I.)
- Shunmughavel, V & Jaganathan, P 2015, ‘A concept based ontology mapping method for effective retrieval of bio medical documents’, Journal of Medical Imaging and Health Informatics, ISSN: 2156-7018, vol.5, no.5, pp.926-935, (Anna Univaersity Chennai AnnexureI).
- Shunmughavel, V &Jaganathan, P 2014, ‘An intelligent bio-medical document retrieval usingconcept map identification’, Journal of Emerging Technologies in Web Intelligence, vol. 6, no. 4, pp. 408-415, (Annexure II).
- Shunmughavel, V & Arockia Christopher, A.B 2020 “A survey on the Rise of Social BOT detection techniques and Research Challenges”. Muktsabd Journal, ISSN NO: 2347-3150, Volume IX, Issue XII, DECEMBER/2020, pp 159-164
- Shunmughavel, V & Sureshkumar, S 2020, “A survey on Blockchain Architecture, Applications and Challenges”.Muktsabd Journal, ISSN NO: 2347-3150, Volume IX, Issue X, OCTOBER/2020, pp 150-157
- Shunmughavel, V., VishnuPriya, V., Shanmugapriya, K., Shifana Sheerin, A., 2020, “Weather Forecast Warning System using Big Data and Naive Bayes Classification Algorithm”. Muktsabd Journal, ISSN NO: 2347-3150, Volume IX, Issue VIII, AUGUST/2020., pp 363-370

- Shunmughavel, V & Jaganathan, P 2012, 'Semantic enrichment in ontology mapping using concept similarity computing', IEEE-Fourth International Conference on Advanced Computing, ICoAC 2012 MIT, Anna University, Chennai, December 13- 15.
- DivyaBharathi, P Shunmugavel V, V 2015, ' A Neighbor Based Dynamic Estimate Rebroadcasting Approach for Efficient Routing In Mobile Adhoc Networks' International Journal of Advanced and Innovative Research (IJAIR) Vol 4 Issue 03 Mar 2015.
- Pornima S, Shunmughavel, V 2015 'Privacy Protection in Personalized Web Search Using Exponential Ratio', International Journal of Advanced and Innovative Research (IJAIR) Vol4 Issue 03 Mar 2015.
- Gomathi N, Shunmughavel V, 2016 "A GPS Based Face Recognition Using DWT Algorithm" International Journal of Future Innovative Science and Technology (IJFIST), ISSN: 2454- 1966 Volume-2, Issue-2, May – 2016.
- Surya Prabha M, Shunmughavel V, 2016 "Particle Swarm Optimization Based Video Object Co-Segmentation" International Journal of Future Innovative Science and Engineering Research (IJFISER), Volume - 2, Issue -2, ISSN: 2454- 1966.
- Surya Prabha M, Shunmughavel V, 2016 "Video Object Co-Segmentation" International Journal of Future Innovative Science and Engineering Research (IJFISER), Volume - 5, Issue -4, ISSN: 2277-5390 (online), 2277-5382 (Print)

Details of Conference attended:

- Niranjana R, V.Shunmugavel V 2022, "Iot Infrastructure for Forest Fire Detection and Alerting System", (ICRIICT22) 5thInternational Conference on Recent Innovations in Information and Computing Technologies, Proceedings, July 22 & 23
- Rubeshselvakumar R, Shunmughavel V, T.Aathinarayanan T, Branesh N, Gokulprasath S, 2022 " Translating Neural Signals To Text Using A Brain-Computer Interface", (ICRIICT22) 5thInternational Conference on Recent Innovations in Information and Computing Technologies, Proceedings, July 22 & 23
- Shunmughavel V, Rubeshselvakumar R, Hemalatha J, Hani Suruthy J, Harishma Devi M "Medical Image Segmentation Using Hho-Ade Optimization Based On Multi-Thresholding", (ICRIICT22) 5thInternational Conference on Recent Innovations in Information and Computing Technologies, Proceedings, July 22 & 23
- Shunmughavel V, ,Dr.R.RubeshSelvakumar R, J.Hemalatha, HaniSuruthy J, HarishmaDevi M 2022 " Retinopathy Detection Deep Learning Algorithm", (ICRIICT22) 5thInternational Conference on Recent Innovations in Information and Computing Technologies, Proceedings, July 22 & 23,
- Rubeshselvakumar R, Shunmughavel,V, AjithKumar M, ,Abhishek K, AshokKumar S 2022, "Face Attendance Using Machine Learning Techniques", (ICRIICT22) 5thInternational Conference on Recent Innovations in Information and Computing Technologies, Proceedings, July 22 & 23

- Shunmughavel, V 2014, ‘A Survey on Ontology Evolution” Third International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems, CSE, K.L.N.College of Information Technology, Dec 19-20.
- Shunmughavel, V 2014, ‘A proposed algorithm for Privacy protection in personalized web search” Third International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems, CSE, K.L.N.College of Information Technology, Dec 19-20.
- Shunmughavel, V & Jaganathan, P 2010, ‘Designing health care forum using semantic search engine & diagnostic ontology’, International Conference on Computers, Communication & Intelligence (ICCI’2010), July 22-23.
- Shunmughavel, V 2009 “Survey of current approaches in Ontology based Query Systems and Research issues in the Semantic Web Technology” International Conference on Emerging Trends in Computing, ICETic 2009, CSE, Kamaraj College of Engineering & Technology, Virudhunagar Jan 8 -10.
- Shunmughavel, V 2010 ‘Capturing Organizational Behaviour using Ontology’ National Conference at KLNCIT,Pottapalayam, Sivagangai Feb 4-5.
- Shunmughavel, V 2010‘Knowledge Based SystemUsing Idea Ontology” National Conference, KLNCIT, Pottapalayam, Sivagangai Feb 4-5.
- Shunmughavel, V 2007 ‘Dynamic configuration of Hosts in MANET’ NationalConference, CSE, Govt college of Engineering, Tirunelveli Apr 2 2007.
- Shunmughavel, V 2007 ‘Pattern Recognition using Neural Networks and Feature Extraction’ National Conference, STREAK 2007, CSE, Kamaraj College of Engineering & Technology, Mar 28-29.
- Shunmughavel, V 2007, “Dynamic Address Assignment in Mobile Adhoc Network by using Distributed Protocol” National Conference ACENET 07, CSE, PSNA College of Engineering & Technology, Mar 17.
- Shunmughavel, V 2006 ‘Open sensor Web Architecture using Sensor Grid Computing and Research Issues’ National Conference, WINGS 2006, CSE, KLN College of Engineering, Mar 9-10.
- Shunmughavel, V 2002 ‘IT in Business’ XXXVII National Convention, Computer Society of India, IISc, Bangalore, Oct 29-31.