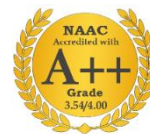





SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution | Accredited with 'A++' Grade by NAAC)

Pulloor, Kariapatti -Taluk. Virudhunagar Dist-626115.



Department of Computer Science and Engineering				
Name	SELVI S			
Date of Birth	12.04.1984			
Unique ID	1419282825			
Educational Qualifications	Assistant Professor			
Designation	M.E,(Ph.D)			
Email ID	sselvi@sethu.ac.in			
Alternate Email ID	drasokansselvi@gmail.com			
Experience	Industry	Teaching	Others	Total
	-	16 Years 9 Months	-	16 Years 9 Months
Date of Joining the Institution	01.06.2012			
Area of Specialization				
Courses taught	1. Object oriented programming 2. Internet of things 3. Software testing 4. Computer Architecture 5. Fundamentals of computer Programming 6. Information storage Management 7. Computer Networks 8. Digital Electronics			
Research Focus	Machine Learning, Deep Learning			
Research guidance (Number of Scholars)	3			
Subject Competency	1. Object oriented programming -3 2. Internet of things -2 3. Software testing -2 4. Computer Architecture -4 5. Fundamentals of computer Programming - 3 6. Information storage Management-3 7. Computer Networks-4 8. Digital Electronics -2			
No. of papers published	National Journals	International Journals		Conferences
	-	3		8
PG Specialization	Software Engineering			
Ph.D. Specialization	Information and Communication Engineering			





<i>Projects Carried out</i>	Receiver grant of Rs. 5,00,000 from MSME 2.0 for the project titled "IOT and AI based smart shopping Trolley"
<i>Patents (Filed & Granted)</i>	2
<i>Technology Transfer</i>	-
<i>No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)</i>	1

Tel: 04566304600

Email: sit@sethu.ac.in

Web: www.sethu.ac.in

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	Computer Science and Engineering	Anna University, Chennai	2005
PG	M.E	Software Engineering	Anna University of Technology, Coimbatore	2011
Ph.D.	Ph.D	Information and Communication Engineering	Anna University, Chennai	Pursuing

Details of Journal Publication:

1. S.Selvi, D.Srivaishnavi, "**An Efficient Mobile healthcare system in Wireless Sensor network**", International Journal of Applied Engineering Research, ISSN 0973 - 4562 Vol. 10 No.31(2015) PP. 23360 -23363
2. Callins Christiyana, Punitha, Sivajothi and Selvi, "**Remote Patient Monitoring and Classification of Diabetes Subtypes Classification using Deep-Learning Reconstruction Algorithm**" ICTACT JOURNAL ON SOFT COMPUTING, JANUARY 2023, VOLUME: 14, ISSUE: 03
3. Selvi, S & Parvathy, M 2024, '**Improving facial expression recognition for autism with IDenseNet-RCAformer under occlusions**', International Journal of Developmental Neuroscience, vol. 85, no. 1, Available from: <https://doi.org/10.1002/jdn.10391>;; Impact Factor: 2.457.

Details of Conference attended:

1. Ms.S.Selvi, Ms.D.Srivaishnavi "**An efficient mobile health care system in Wireless sensor Network**" 3rd International Conference on "Hi-tech trends in Emerging computational Technologies", PP. 43-44, 2015, Sethu Institute of Technology, Kariapatti.
2. S.Selvi, T.Parameswaran, "**Efficient File cache consistency maintenance over wireless adhoc Networks**", 2nd International Conference on "Intelligent Information Systems and Management" PP.82, 2011 RVS Group of Engineering and Management Institutions, Coimbatore.
3. P.Ithaya Rani, S.Selvi "**Skewness Gabor Features Used For Detection of Human Faces**

automatically In Different Poses And Illuminations” in the National Conference on Hi-Tech Trends in Emerging Computational Technologies on 22nd March 2019 at Sethu Institute of Technology , Kariapatti, Virudhunagar.

4. P.Ithaya Rani, S.Selvi **“Detection of human faces in video sequences using mean of GLBP signatures”** in “IFIP ICCIDS 2020 – 3rd International conference on Computational Intelligence in Data Science” held on 20 – 22.02.2020 at SSN College of Engineering.
5. P.Ithaya Rani, S.Selvi **“Emotion Recognition using Facial Gabor LBP Features in Video Sequences”** “International e - conference on Information, Communication and Networking 2020 (IECICN- 2020)” held on 10th and 11th July 2020 at Easwari Engineering College.
6. S.Selvi **“Sentiment analysis for different service sector in social Network”** in “8th National Conference on Hi-Tech trends in Emerging computational Technologies” held on 04.09.2020 at Sethu Institute of Technology.
7. S.Selvi **“Facial Emotion Detection Using CNN”** 10th National Conference “Hi Tech trends in emerging computational technologies – SITCON 23, Sethu Institute of Technology, 13.04.23.
8. S.Selvi **“AI Based Virtual Mouse and Keyboard abate the spread of COVID 19”** at TNSCST Sponsored International Conference on “Advancing Technologies and Innovative Breakthroughs in Computing and Communication”, Kamaraj College of Engineering and Technology from 05.03.2025 to 06.03.2025.

Details of Book Chapter and Books Published:

1. P.Ithaya Rani, S.Selvi **“Detection of human faces in video sequences using mean of GLBP signatures”** published the book chapter in “IFIP Advances in Information and Communication Technology” ISSN 1868-4238, PP. 170-184

Details of Patents Filed and Granted:

1. Ms.S.Selvi, **“Intelligent Fabric Damage system for Autoloams using Computer Vision and Machine Learning Algorithm”**, Published Indian Patent -202341077049 A and 22.12.2023.
2. Ms.S.Selvi, **“AI Driven Security Monitoring for Hybrid Cloud Environment”**, Published Indian Patent -202441091896 A dated 29.11.2024.

Expert Lecture Delivered: -

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