


<u>Department of Computer Science and Engineering</u>					
<b>Name</b>	Dr. SELVI S				
<b>Date of Birth</b>	12.04.1984				
<b>Unique ID</b>	1419282825				
<b>Educational Qualifications</b>	Associate Professor				
<b>Designation</b>	M.E, Ph.D				
<b>Email ID</b>	sselvi@sethu.ac.in				
<b>Alternate Email ID</b>	drasokanselvi@gmail.com				
<b>Experience</b>	Industry	Teaching	Others	Total	
	-	17Years 9Months	-	17Years 9Months	
<b>Date of Joining the Institution</b>	01.06.2012				
<b>Area of Specialization</b>					
<b>Courses Taught</b>	1. Object oriented programming 2. Internet of things 3. Big data Analytics 4. Software testing 5. Computer Architecture 6. Fundamentals of computer programming 7. Information storage management 8. Computer Networks 9. Digital Electronics				
<b>Research Focus</b>	Machine Learning, Deep Learning, Emotion Recognition				
<b>Research guidance (Number of Scholars)</b>	-				
<b>Subject Competency</b>	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				
<b>No. of papers published</b>	National Journals	International Journals	Conferences		
	-	5	8		
<b>PG Specialization</b>	Software Engineering				

<b><i>Ph.D.Specialization</i></b>	Faculty of Computer Science and Information Engineering
<b><i>ProjectsCarriedout</i></b>	ReceivergrantofRs.5,00,000fromMSME2.0fortheprojecttitled "IOTandAIbased smartshoppingTrolley"
<b><i>Patents(Filed &amp;Granted)</i></b>	2
<b><i>TechnologyTransfer</i></b>	-
<b><i>No.ofBookspublished with details (Name of the book,PublisherwithISBN, yearofpublication,etc.)</i></b>	1

Tel:04566304600

Web:www.sethu.ac.in

Email:sit@sethu.ac.in

### **Academic Credentials**

<b>Level</b>	<b>Degree</b>	<b>Specialization</b>	<b>Name of the College</b>	<b>University</b>	<b>Year of Completion</b>
UG	B.E	Computer Science and Engineering	Kamaraj College of Engineering	AnnaUniversity Chennai	2005
PG	M.E	Software Engineering	AnnaUniversity of Technology, Coimbatore	AnnaUniversity of Technology, Coimbatore	2011
Ph.D.	Ph.D	Faculty of Computer Science and Information Engineering	Sethu Institute of Technology	AnnaUniversity Chennai	2025

### **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. CallinsChristiyana, 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.
4. S Selvi, "**A Novel Deep Learning-based Approach Using CCGAN for Occluded FER in Video Sequences**" IETE Journal of Research, November 2025
5. S. Selvi, "**Hybrid Deep Learning Framework Integrating Convolutional Neural Networks And Generative Adversarial Networks For Enhanced Low-Light Video Quality And Robust Noise Suppression**", ICTACT Journal on Image and Video Processing, November 2025

### **DetailsofConference 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.IthayaRani,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**" 10<sup>th</sup> 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.

### **DetailsofBookChapterandBooksPublished:**

1. P.Ithaya Rani, S.Selvi“**Detection ofhumanfacesinvideosequencesusingmean ofGLBP signatures**”publishedthebookchapterin“IFIPAdvancesinInformationandCommunication Technology” ISSN 1868-4238, PP. 170-184

### **DetailsofPatentsFiledandGranted:**

1. Ms.S.Selvi, “**Intelligent Fabric Damage systemforAutoloomsusing ComputerVision 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.

### **NPTEL Course:**

1. Completed the Course on “**Python for Data Science**” received **Elite +Silver**Certificate in the Month of Jul-Aug 2025.
2. Completed the Course on “**Cloud Computing**” received **Elite**Certificate in Jul-Oct 2023
3. Completed the Course on “**Software Testing**” received **Elite +Silver +Top 5%**Certificate in Jan-Feb 2023
4. Completed the Course on “**Problem solving through Programming in C**”received **Elite**Certificate in Jan-Apr 2019
5. Completed the Course on “**Computer Architecture**”received **Elite +Top 2%** CertificateJan-Apr 2017