	Department of				
Name	ASHA S				
Date of Birth	25.04.1982				
Unique ID	1-7375000488				
Educational Qualifications	M.E(Ph.D)				
Designation	Assistant Professor				
Email ID	sasha@sethu.ac.in				
Alternate Email ID	asharithum@gmail.com				
Experience	Industry	Teaching	Others	Total	
		7		7	
Date of Joining the Institution	23.06.2022				
Area of Specialization	MEDICAL IMAGE PROCESSING				
Courses taught	COMPUTER ARCHITECTURE ,ALGORITHM ANALYSIS,DATA STRUCUTES,OBJECT ORIENTED PROGRAMMING USING C++,JAVA PROGRAMMING ,DIGITAL PRINCIPLES AND SYSTEM DESIGN,C PROGRAMMING ,DATA WAREHOUSING,ETHICS AND AI,				
Research Focus	MEDICAL IMAGE PROCESSING				
Research guidance (Number of Scholars)	Nil				
Subject Competency	DATA STRUCUTES,OBJECT ORIENTED PROGRAMMING USING C++ ,DIGITAL PRINCIPLES AND SYSTEM DESIGN,PROJECT MANAGEMENT AND FINANCE ,C PROGRAMMING				
No. of papers published	National Journals		International Journals		Conferences
	0		8		15
PG Specialization	CSE				
Ph.D. Specialization	ICE				
Projects Carried out	Naan Mudhalvan Niral Thiruvizha(Health Care)				
Patents (Filed & Granted)	1				
Technology Transfer	1				
No. of Books published with details (Name of the book, Publisher with ISBN,	2				

year of publication, etc.)	

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	CSE	Anna University	2003
PG	M.E	CSE	Anna University	2005
Ph.D.	Ph.D.	ICE	Anna University	Pursuing

Details of Journal Publication:

Publications in 2025-26

1.S.Asha, Siva Ganesh A C, Shakir Deen A, Sethu Ragunathan G, Saran kumar V," Iot Based Smart Aquaculture Monitoring and Anchor Worm Eradtication System", ESP International Journal of Communication Engineering & Electronics Technology,ISSN: 2583-9217 / Volume 3 Issue 1 January - March 2025 / Page No: 25-31,Paper Id: IJCEET-V3I1P105 / Doi: 10.56472/25839217/IJCEET-V3I1P105.

2.S Asha, R Swarna Lakshmi, P Dorathisha, M P Varshini," Automated Blood Cell Detection and Counting", International Research Journal on Advanced Engineering and Management., e ISSN: 2584-2854,Volume: 03Issue:03 March 2025,Page No: 514-519, https://doi.org/10.47392/IRJAEM.2025.076.

3.Kumar, V. Y. Bharadwaj, S. GopalaKrishna, **S. Asha**, M. I. Habelalmateen and C. R. Bhat, "Smart Retail Experience based on Augmented Reality using Deep Learning and Computer Vision," *2025 International Conference on Computational Innovations and Engineering Sustainability (ICCIES)*, Coimbatore, Tamilnadu, India, 2025, pp. 1-5, doi: 10.1109/ICCIES63851.2025.11032694.Publications in 2023-24.

Publications in 2024-25

1.S. Asha, Dr. M. Parvathy, Suriya.D," Effective Preprocessing of Satellite Images", International Journal Of Engineering Research & Technology, Volume-12 Issue-01, 08-03-2024, https://www.ijert.org/ncaaiet-2024-volume-12-issue-01.

2.Suriya.D, Dr. M. Parvathy, **S. Asha**," Plant Leaf Disease Detection Using Multiclass Svm", International Journal Of Engineering Research & Technology, Volume-12 Issue-01, 08-03-2024, https://www.ijert.org/ncaaiet-2024-volume-12-issue-01.

3.K.Raja Nirmal , **S. Asha** ,"Human Activity Detection Using Mmwave Sensor", International Journal of Scientific Research in Engineering and Management ",Volume-08 Issue-04, 01-04-2024, https://ijsrem.com/download/human-activity-detection-using-mmwave-sensor/.

Publications in 2023-24

1.A. Meenakshi, **S.Asha**, R.Haripriya, D.Asir, "Ensemble Deep Transfer Learning Model for Network Attacks Detection in Internet of Things with Sensor Networks", Journal of Environmental Protection and Ecology,24,No.7,1-1,2023(Scopus), https://scibulcom.net/en/journal/1311-5065/issue/2023-24-7/

Publications in 2022-23

1.**S.Asha**, Dr.M.Parvathy, "Effective Preprocessing of Medical Images using Denoising Techniques", International Journal of Recent Technology and Engineering (IJRTE)' ISSN: 2277-3878,Volume-11 Issue-2, July 2022, Page No: 153-158 ISSN: 2277-3878,Volume-11 Issue-2, July 2022, Page No: 153-158, Blue Eyes Intelligence Engineering and science. (Scopus)

LIST OF PUBLICATIONS IN INTERNATIONAL / NATIONAL CONFERENCES

1.**Asha** S,Parvathy ,M, "Autoencoder-Based Efficient Denoising for Medical Images" 6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV-2025) DVD Part Number: CFP25ONG-DVD; ISBN: 979-8-3315-1174-6, 979-8-3315-1175-3/25/$31.00 ©2025 IEEE.

2.**S Asha**, R Swarna Lakshmi, P Dorathisha, M P Varshini," Automated Blood Cell Detection and Counting" ICFTSEMAP126, Second International Conference on Futuristic Trends in Science, Engineering, and Management (ICFTSEM -II) – 2025.

3.Shivani **S,Asha** S,"Human Activity Recognization",International conference on Artificial Intelligence,Illinois,USA, 05-04-2025, Pages : 59, First Book Publishing, ISBN : 978-93-92151-78-1. "

4.**Asha S**, Veera Ganapathy Subramanian M, Siva Perumal K, Rajesh Kanna M R,"Vehicle Number Plate Detection Using OCR, OpenCV, and YOLO11", National Conference on "Machine-Human Collaboration NCMHC'25".

5. Nidhimuthu R, Ramasamy K, Murugeshwaran S,**Asha. S** ,"Autoencoder Based Efficient Denoising for Medical Images", International Conference On Recent Innovations In Information And Computing Technologies, 05-04-2024, Sethu Institute of Technology, Kariapatti, India.

6. K.Kogul, B.Mathew Christopher, S.Nishanth, **Asha. S**," Real-Time Api Based Weather prediction", International Conference On Recent Innovations In Information And Computing Technologies, 05-04-2024, Sethu Institute of Technology, Kariapatti, India.

7.Vignesh A, Yugeshwaran C, Ranjith M, **Asha. S** ," Solar Tracking System Using Arduino", International Conference On Recent Innovations In Information And Computing Technologies, 05-04-2024, Sethu Institute of Technology, Kariapatti, India.

8. **Asha. S**, I.Shalom Priscilla, S.Vaishnavi Sri, R. Sharmila, "Smart Trolley System for Automated Billing Using IOT", 10th National Conference on Hi-Tech Trends in Emerging Computational Technologies, held on 13th April 2023 at Sethu Institute of Technology, Kariapatti, India.

9. **Asha. S**, G. Aasif Alikhan, R. Vignesh Kumar, R. Ashwanth, "Liver Tumor Detection by Deep Learning Techniques Using CNN (Convolutional Neural Network) Algorithm", 10th National Conference on Hi-Tech Trends in Emerging Computational Technologies, held on 13th April 2023 at Sethu Institute of Technology, Kariapatti, India.

10. **S. Asha,** Dr. M. Parvathy, "Bayes Shrinkage and Fused Wavelet Transform with auto encoder based Deep Learning Approach for Magnetic Resonance Image Denoising", International Conference on Recent Innovations in Information and Computing Technologies RIICT2022, 22.07.2022 & 23.07.22 at Sethu Institute of Technology, India.

11.**S.Asha**, " Effects of Denoising on Performance of Deep Convolution Neural Networks", 8th International Conference on Emerging Trends in Engineering and Technology,Pandian Saraswathi Yadav Engineering College, 14-04-2021.

12.**S.Asha**, " Facial Recognition using Supervised Algorithm ", 7th International Conference on Emerging Trends in Engineering and Technology, Pandian Saraswathi Yadav Engineering College, 13-02-2020.

Details of Conference attended:
Conference:

S.No	Level	Category	Title of the Conference	Paper Title	Date of Conference
1.	International	AICTE	5th International Conference on Recent Innovations in Information and Computing Technologies	Bayes Shrinkage and Fused Wavelet Transform with Autoencoder-based Deep Learning Approach for Magnetic Resonance Image Denoising	22-07-2022

2.	International	AICTE	INTERNATIONAL CONFERENCE ON RECENT INNOVATIONS IN INFORMATION AND COMPUTING TECHNOLOGIES	Autoencoder Based Efficient Denoising for Medical Images	05-04-2024
3.	International	AICTE	INTERNATIONAL CONFERENCE ON RECENT INNOVATIONS IN INFORMATION AND COMPUTING TECHNOLOGIES	REAL TIME API BASED WEATHER PREDICTION	05-04-2024
4.	International	AICTE	SITCON 2023	LIVER TUMOR DETECTION BY DEEP LEARNING TECHNIQUES USING CNN (CONVOLUTIONAL NEURAL NETWORK) ALGORITHM	13-04-2023
5.	International	AICTE	SITCON 2023	SMART TROLLEY SYSTEM FOR AUTOMATED BILLING USING IOT	13-04-2023
6	National	AICTE	NATIONAL CONFERENCE ON APPLICATIONS OF AI AND IoT IN ENGINEERING AND TECHNOLOGIES (NCAAIET-24	Effective Preprocessing of Satellite Images	10-02-2024
7	National	AICTE	NATIONAL CONFERENCE ON APPLICATIONS OF AI AND IoT IN ENGINEERING AND TECHNOLOGIES (NCAAIET-24	Leaf Disease Detection using Multiclass SVM	10-02-2024
8	International	AICTE	6th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV-2025)	Autoencoder-Based Efficient Denoising for Medical Images"	June 7,2025

9	International	AICTE	Second International Conference on Futuristic Trends in Science, Engineering, and Management (ICFTSEM-II)	Automated Blood Cell Detection and Counting	2025
10	International	AICTE	International conference on Artificial Intelligence,Illinois,USA	Human Activity Recognization	2025
11	National	AICTE	National Conference on "Machine-Human Collaboration NCMHC'25	Vehicle Number Plate Detection Using OCR, OpenCV, and YOLO11	2025

Details of Book Chapter and Books Published:

1.Cryptography AND Network Security:**ASHA S**,ISBN 978 93- 89970 -746,CHARULATHA PUBLICATIONS.

2.Big Data and Cloud Computing,Dr.R.Rubesh Selvakumar,**Asha S**,SuriyaD,Peer Mohamed K-RCHUB Publisher,978-81-982965-9-7,

Details of Patents Filed and Granted:

1.AI-POWERED REAL-TIME CYBERATTACK DETECTION IN IOT NETWORKS(International)- 202441091452 A(23-11-2024)

Expert Lecture Delivered:

1.Guest Lecture- "ARTIFICIAL INTELLIGENCE IN BUSINESS ANALYTICS, 07-01-2025,NAZIA College of Arts and Science.Pulloor,Kariapatti.