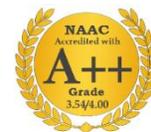




SETHU INSTITUTE OF TECHNOLOGY

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

Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



Department of Biomedical Engineering

Name	Mr.K.JAYAPRAKASAM				
Date of Birth	06.03.1975				
Unique ID	I-7440559483				
Educational Qualifications	B.E,M.E,(Ph.d)				
Designation	ASSISTANT PROFESSOR				
Email ID	k.jayaprakasam2025@sethu.ac.in				
Alternate Email ID	daagsidaprakasam19614@gmail.com				
Experience	Industry	Teaching	Others	Total	
	-	23 Years	-	23 Years	
Date of Joining the Institution	13.11.2025				
Area of Specialization	Medical Image Processing				
Courses taught	Medical Imaging Equipments, Biomedical Instrumentation, Medical Electronics, Wireless communication, Wireless and sensor networks, Adhoc and wireless sensor networks, Biomedical in Healthcare, Human Assistive Device				
Research Focus	Bio Medical Instrumentation / Medical Image Processing				
Research guidance (Number Scholars)	--				
Subject Competency	Bio Medical Instrumentation / Medical Image Processing				
No. of papers published	National Journals	International Journals	Conferences		
	-	3	13		
PG Specialization	Medical Electronics				
Ph.D.Specialization	Medical Image processing				
Projects Carried out	--				
Patents (Filed & Granted)	3				
Technology Transfer	--				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	No. of book- 1 Name of The Book - Electronics device and circuits ISBN : 978-93-49818-16-3 Publisher – KIWI Publication, Year – July 2025				

Tel:04566304600

Web:www.sethu.ac.in

Email: sit@sethu.ac.in

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	Instrumentation and Control Engineering	Madurai Kamaraj University, Madurai	1998
PG	M.E	Medical Electronics	Anna University, Chennai	2010
Ph.D.	Ph.D (Pursuing)	Medical Image Processing	Anna University, Chennai	Jan 2022 - Ongoing

Details of Journal Publication:

1. **K Jayaprakasam**, K.Jalaldeen, “Segmentation of Lung Tumors by Using SVM Classifier with Fuzzy Clustering Algorithm”, International Journals of Scientific, Research in Engineering and Management, Issue: 7, volume -9, July 2025.
2. **K Jayaprakasam**, J.Jennifer, J.Jencypriya, A. deepika, “Computerized identification of sinus in X-ray Images”, SSRG International journals of medical science, special issue=ICRTECITA, April 2018.
3. **K Jayaprakasam**, C.Baskar, “BIRA for word oriented memories using Parallel Prefix Algorithm”, International journal of advanced research in Electronics, ISSN_no:2347-7210, volume: 2, Issue: 1 08 April-2014.

Details of Conference attended:

1. K.Divya, S.Karthigai Lakshmi, E.Thangadeepika, **K.Jayaprakasam**, “Smart drainage system for Manual scavenging using IOT”, 5th International Conference of Communication, devices and Computing (ICCDC2025) at Haldia Institute of Technology, Haldia, WB, India, 6th and 7th November 2025.
2. **K.Jayaprakasam**, “Net-Zero box-Low carbon solution” International Conference of Advances in Aerospace Navigation system (ICCAAN2025)” at Saranathan College of Engineerin, 28.08.2025.
3. **K.Jayaprakasam**, “Smart sleep Apnoa Monitoring system” International conference on Research and Development in engineering, Science and Technology (RADEST), Mohamed Sathak AJ College of Engineering, 24th may 2024.

4. **K.Jayaprakasam**, “An efficient Encrypt method for digital image using logistic map and random Substitutions” International Conference on Recent advances and Innovations in science, Engineering, Technology and Management (ICRAISETM-2023), Solaimalai College of Engineering, 21th April 2023.
5. **K.Jayaprakasam**, “Brain Tumor Classification Using Deep Learning “Techniques “Second National Level Conference on “Emerging Trends in Electrical, Computing, Communication, Technologies” (NCETECCT2023), Solaimalai College of Engineering, 23 April2023.
6. **K.Jayaprakasam**, “IOT enabled Automated Effective Incubator for child care” ICCREST-2020 International conference at Jayram College of Engineering and Technology, Trichy (April 2020).
7. **K.Jayaprakasam**, “Region growing method of spleen segmentation and ensemble classification of liver tumor” International conference at Selvam college of Technology (7th& 8th March 2019).
8. **K.Jayaprakasam**, “Brain tumor using convolution neural network in MRI images” National conference at Narasu’ssarathy institute of Technology (18.03.2018)
9. **K.Jayaprakasam**, “Design of implementation of Multifunctional automation in railways” International Conference at Erode Sengunthar Engineering college (5th& 6thApril 2018).
10. **K.Jayaprakasam**, “Computerized identification of sinus in X-ray images” International conference at PSNA college of Engineering & Technology (23rd March 2018).
11. **K.Jayaprakasam**, “IOT smart home energy management system” International conference at Shree Sathyam college of Engineering and Technology (10th& 11th March18).
12. **K.Jayaprakasam**, “Assisting device for physically challenged people” National conference at Mother Teresa college of Engineering &Technology (16th& 17th Feb 2013).
13. **K.Jayaprakasam**, “Assisting device for deaf-blind people” National conference at Dr.Pauls Engineering College (10th April 2010)

Details of Book Chapter and Books Published:

S.No.	Name Of The Author	Title of the Book	Name of the Publisher	ISSN/ISBN	Year of Publication
1.	Mr.K.Jayaprakasam	Electronics device and circuits	KIWI Publisher	978-93-49818-16-3	July 2025

Details of Patents Filed and Granted:

Sl. No	Inventor	Title of Invention	Application Number/ Date of Issue	Status
1.	Dr. Umesh Vasirappagari Dr. M. Ameena Banu Dr. K. Jalal Deen Mr. P. Abdul Samad K. B. Anusha Mr. K Jayaprakasam, Dr. R. Baghia Laxmi Meenakshi Sundaram Vellaichamy, M.E, Dr. Janani Kumar Stephen Rufus. A	Cloud-Based Edge Computing for Real- Time Data Processing in IoT Applications	202541064389 05/07/2025	Published
2.	Dr.J.Sundararajan Dr.A.GopiSaminathan Dr.S.M.Vijayarajan& Mr.K.Jayaprakasam Ms.P.Sneha Ms.J.Shiny Reshma Ms.N.Pavithra	Assisting device for Physically Challenged People	202141048477 dt.26.11.2021	Published
3.	Dr.J.Sundararajan Dr.A.GopiSaminathan Dr.S.M.Vijayarajan Mr.K.Jayaprakasam Ms.S.Seema Fathima Ms.M.Haripriya Ms.R.Kiruthika	Finger print verification for ATM security system using LPC2148 and FIM3030	202141053614 dt.10.12.2021	Published