



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	Mrs.P.Pabitha Muthu			
Date of Birth	01-04-1988			
Unique ID	FD6026			
Educational Qualifications	B.E.,M.E.,(Ph.D)			
Designation	Assistant Professor			
Email ID	pabithapraveenit@sethu.ac.in			
Alternate Email ID				
Experience	Industry	Teaching	Others	Total
	-	14yrs 11 months	-	14yrs 11 months
Date of Joining the Institution	03-01-2018			
Area of Specialization	Satellite Image Processing, Machine Learning, Deep Learning, IOT, Wireless Sensor Networks			
Courses taught	<ol style="list-style-type: none"> 1. Programming and Data Structures 2. Design and Analysis of Algorithm 3. Computer Networks 4. Object Oriented Programming Languages 5. Fundamentals of Computer Programming 6. Cryptography and Network Security 7. Professional Ethics and human values 8. E learning Techniques 9. Total Quality Management 10. Distributed Systems 11. Computer Graphics 12. Information Retrieval 13. Problem solving and Python programming 14. Advanced Operating Systems 15. Network and Information Security 16. Machine Learning Techniques 17. Wireless Network Security 			



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	18. Operating Systems 19. Digital Marketing 20. Data Warehousing 21. Full Stack Web Development		
Research Focus	Satellite Image Processing, Machine Learning, Deep Learning, IOT, Wireless Sensor Networks		
Research guidance (Number of Scholars)	Nil		
Subject Competency			
No. of papers published	National Journals	International Journals	Conferences
PG Specialization	M.E., Computer Science and Engineering		
Ph.D. Specialization	Ph.D. -Information and Communication Engineering		
Projects Carried out	1. Received the fund of Rs. 5, 00,000 from NIAM for the project” Automatic Guava Grading Machine using IOT ” 2. Received the fund of Rs. 5, 00,000 from NAVIC for the project “ Automatic Eco-Friendly Bagging Machine for Oyster Mushroom Cultivation ” 3. Received the fund of Rs.15, 00, 000 from MSME 3.0 for the project “ WIFI Based Sewer Clogging Prediction System Using IOT ”		
Patents (Filed & Granted)	2		
Technology Transfer			
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Published a book on “Introduction to Network Simulator Using Riverbed”, in Newsman Publications, ISBN No 978-81-930476-1-3, January 2018.		

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Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E.,	Computer Science and Engineering	Anna University - Chennai	2009
PG	M.E.,	Computer Science and Engineering	Anna University - Chennai	2014
Doctorate	Ph.D.	Information and Communication Engineering	Anna University - Chennai	Doing

Details of Journal Publication:

- A Paper entitled “Classification techniques used in remote sensing satellite imageries: A Survey” published in the **National Journal of Multidisciplinary Research and Development**, ISSN: 2455-9040; Impact Factor: RJIF 5.22, Volume 4; Issue 6, Page no: 24-28
- A paper entitled “Convolutional Neural Network Approach for White Blood Cells Classification” published in the **International Journal of Scientific Research in Engineering and Management (IJSREM)** on Volume 08, Issue 04 April 2024.
- A paper entitled” Optimized deep learning based classification and prediction of land use/land cover changes from satellite images” Published in **Signal ,image and Video Processing**, Vol:19,Issue:5;Page no:419,Impact factor:2.0

Details of Conference attended:

- Two days Faculty Development Programme on “Semantic Web” at Alagappa Chettiar College of Engineering & Technology, Karaikudi.
- Two days’ workshop on “Building Applications on Cloud” at Syed Ammal Engineering College, Ramanathapuram.
- Two days workshop on”Python programming” at K.L.N. College of Engineering, Madurai
- Participated in the NPTEL Workshop conducted by IIT Madras at Thiagarajar College of Engineering, Madurai

- Participated in the Seminar on “Book Writing” Organized by Faculty Development Cell at Sethu Institute of Technology
- Participated in the workshop on” Pedagogy for Outcome based Education” Organized by Faculty Development Cell at Sethu Institute of Technology
- Participated in AICTE- QIP sponsored One Week short term course on” Sensor Interfacing for IOT” organized by Thiagarajar College of Engineering, Madurai
- Participated in the Deep Dive Faculty Enablement Program on Foundation Program 5.0 scheduled from 23rd April to 27th April 2018 at Rajalakshmi Engineering College, Chennai.
- Participated in the Python Workshop Organized by ICT at IIT, Bombay.
- Participated in the FDP on Artificial Intelligence at “Networkz Systems” Madurai
- Participated in the NAAC sponsored National Level Seminar on “ Revised NAAC framework for quality Enhancement in Higher Education Institutions”
- Participated in AICTE ATAL Online FDP on “Cyber Security” from 18.5.20 to 22.5.20
- Participated in AICTE ATAL Online FDP on “Framework for Online Assessment” from 16.08.2021 to 20.08.2021 at National Institute of Technical Teachers Training & Research.
- Participated in the DRDO Sponsored Seminar on” Smart Military Base Technology Challenges and Innovations Organized by Sethu Institute of Technology
- Participated in the FDP on “ Full Stack Web Development” Organized by Kamaraj College of Engineering, Virudhunagar
- Participated in the”Pitch for the Planet” contest during the Expo Carbon Zero Challenge Organized by IIT Madras
- Participated the two days FDP on “Global race for AI Dominance” Organized by Sri Krishna College of Engineering and Technology.
- Participated the five days Online FDP on the theme” Inculcating Universal Human Values in Technical Education” from 7.10.24 to 11.10.24
- Participated two days International Seminar on” Digital Health” organized by Sethu research Forum on 22.1.25 and 23.1.25

- Participated two days Workshop on "Drone Assembly" conducted by Veronautz Technologies as a part of GYANITH 2025 organized by NIT, Puducherry from 27.2.25 to 28.2.25

Details of Book Chapter and Books Published:

- Published a book on "Introduction to Network Simulator Using Riverbed", in Newsman Publications, ISBN No 978-81-930476-1-3, January 2018.

Details of Patents Filed and Granted:

- Published Patent on "AI Powered Real Time Cyber Attack Detection in IOT Networks"
- Published Patent on "Development of Heart Beat and Temperature and Temperature Measuring System for Remote Health Nursing during Pandemic" (COVID -19)

Expert Lecture Delivered:

- Act as a resource person for the two-day state-level workshop on "Crafting Machine Learning Models using Python," organized by the Computer Science Department of Madurai Sivakasi Nadars Pioneer Meenakshi Women's College.
- Act as Judge in Mini Techno vision 2K25: Intra College Project Competition organized by Department of Computer Science and Engineering in Kamaraj College of Engineering and Technology, Virudhunagar.

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