


Department of Biomedical Engineering					
Name	MARY JAMES				
Date of Birth	14.08.2025				
Unique ID	1-43366335677				
Educational Qualifications	M.Tech (Ph.D)				
Designation	Assistant professor				
Email ID	maryjames@sethu.ac.in				
Alternate Email ID	maryjames1408@gmail.com				
Experience	Industry	Teaching	Others	Total	
	-	4	-	4	
Date of Joining the Institution	01.07.2022				
Area of Specialization	VLSI and Embedded Systems				
Courses taught	Principles of Signals and Systems, Diagnostic and Therapeutic Equipment, Image Processing Techniques, Project Management and Finance				
Research Focus	VLSI				
Research guidance (Number of Scholars)	-				
Subject Competency	VLSI and Embedded System				
No. of papers published	National Journals	International Journals		Conferences	
	-	3		3	
PG Specialization	VLSI and Embedded Systems				
Ph.D. Specialization	VLSI				
Projects Carried out	FPGA implementation of Head mounted displays in extended reality systems				
Patents (Filed & Granted)	1				
Technology Transfer	-				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	-				



## Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.Tech	Electronics and Instrumentation	Karunya University	2013
PG	M.Tech	VLSI and Embedded Systems	Cochin University of Science and Technology	2016
Ph.D.	-	VLSI	Anna University	Pursuing

## Details of Journal Publication: 2

## Details of Conference attended: 3

1. **Mary James**, Abirami R, Bhavani C, Jeya Suki D, Kaviya K, “Advanced Intravenous Multi-Flow Nexus: Revolutionizing Simultaneous Drug Delivery Systems”, *National Journal on Information and Communication Engineering*, Volume 13, Issue 3, Pages 27-36, February 2023, ISSN:2231-2099.
2. **Mary James, Deepa S Kumar**, “[An implementation of modified lightweight advanced encryption standard in FPGA](#)”, *National Procedia Technology*, VOL.25, Elsevier, PP.582-589
3. **Mary James, Deepa S Kumar**, “Advanced Intravenous Multi-Flow Nexus: Revolutionizing Simultaneous Drug Delivery Systems”, *National Journal on Information and Communication Engineering*, Volume 13, Issue 3, Pages 27-36, February 2023, ISSN:2231-2099.”, *National International Journal Computational Engineering Research (IJCER) ISSN*, (25–26), 2016

## Details of Book Chapter and Books Published: -

## Details of Patents Filed and Granted: 1

S. No.	Title of the Patent	Reference Number / Date	Filed / Published / Granted	Name of the Faculty
1.	AI-Driven Diagnostic tool for Automated Analysis of Medical Imaging	Application Number 202441096182A Dated 05.12.2024	Published	Dr.N. Mahalakshmi N Dr.N. Kins Burk Sunil Dr.D.Sunderlin Shibu Ms.R.Vasantharani Mr.B. Muthu Pandian Mrs.G. Vijaya Lakshmi Mr.S.Malaisamy Mrs.Mary James

### Expert Lecture Delivered:

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