

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY DATABASE

INFORMATION DATA SHEET FOR FACULTY MEMBERS

(Filled forms please send to registrar@cusat.ac.in)

(INSERT ADDITIONAL ROW(S) WHERE EVER NECESSARY)

Name:	Dr. MARIAMMA CHACKO
Department :	Ship Technology
Contact Details	
Address for communication	Associate Professor, Department of Ship Technology, CUSAT, Kochi, 682022
Email	mariamma.cusat@gmail.com
Phone	Mob. No. 9446077226
Intercom	2584

1. Academic Background

Qualifications:	
Qualifying Post Graduate Degree:	M. Tech., Digital Electronics, 1987, Cochin University of Science and Technology, India.
Ph. D with NET	
Ph. D without NET	2012, Cochin University of Science and Technology, India.
Post Graduate Degree(s)	M. Tech., Digital Electronics, 1987, Cochin University of Science and Technology, India.
Under Graduate Degree(s):	B. Tech., Electrical Engineering, 1985, Kerala.
Any other PG degree/ Diploma relevant to the subject:	

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2. Research Performance

2.1 Each published /accepted paper in Journal/conferences

Sl. No	Authors (As published in the paper)	Title	Journal/ Citation Index/h-index/ Impact Factor	Year	Volume	Page No
1.	Sandhya N, Philip Samuel and Mariamma Chacko	Data Triggered Programming Model for Text Processing in Big Data	<i>Journal of Network and Innovative Computing</i> ,ISSN 2160-2174	2016	4	220-228
2	K. Vinida and Mariamma Chacko	Sensorless Control of Brushless DC motors and H ∞ Control Theory Applications – A Literature Review	<i>IEEE 7th International Symposium on Sensorless Control for Electrical Drives(SLED 2016)</i> , June 5 th -6 th , 2016, Fiji, ISSN: 2166-6733.	2016		1-5
3.	K. Vinida and Mariamma Chacko	A novel strategy using H infinity theory with optimum weight selection for the robust control of sensorless brushless DC motor	<i>IOSR Journal of Electrical and Electronics Engineering</i>	2016	11	19-25
4.	Mariamma Chacko and K. Poulouse Jacob	A Compiler Integrated Assistance for Optimum Data Allocation in Banked Memory Embedded Processors	<i>SERSC International Journal of Software Engineering and Its Applications</i> /1/1/0.896	2012	6	1-18
5.	Mariamma Chacko, and K. Poulouse Jacob	Validation of microcontroller codes: an architecture oriented approach	<i>Emerald International Journal of Intelligent Computing and Cybernetics</i> / 0.605	2011	4	442 – 464
6.	Mariamma Chacko and K. Poulouse Jacob	<i>Optimization of Bank Switching Instructions in Microcontrollers having Partitioned Memory Architectures</i>	<i>CiiT International journal of Software Engineering and Technology</i> /1/1	2009	1	120-126
7.	Mariamma Chacko and K. Poulouse Jacob	<i>Validation of Embedded Software through Static Analysis of Machine Codes</i>	<i>Proc. of IEEE International Advance Computing Conference, Patiala, India</i> /4/1	2009		488-493

8.	Mariamamma Chacko and K. Poulouse Jacob	Optimization of Bank Switching Instructions in Embedded Systems through Static Analysis of Machine Codes	<i>Proc. of IEEE International Advance Computing Conference, Patiala, India/1/1</i>	2009		548-552
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2.2	Text Books / Reference Books/subject books/monograph/Chapters of Books Published				
SI No.	Title with ISBN Number	Publisher with Place of Publication			Year
1.					
2.					

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2.3	Patents / Technology transfer/Product/Process:				
2.3.1	Each patent awarded				
SI No.	Title		Sanction Number		Year
1.					
2.3.2	Each Technology transfer through Central / State / University / Quasi Government agencies.				
SI No.	Name of Technology transfer		Agency		Year
1.					
2.4	Externally Funded Research / Consultancy Projects through University / Institution (Both completed and Ongoing Projects):				
Project Cost in Lakhs	SI No.	Title	Funding Agency	Amount & Duration	Principal investigator/ Co-investigator
	1.				
	2.				

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2.5	Research Guidance :				
2.5 (a)	Ph D – Degree Awarded				
SI No.	Title	Name of co-guides (if any)	Name of student	University	Year
1.					

2.5 (b)	Ph D – Thesis submitted				
SI No.	Title	Name of co-guides (if any)	Name of student	University	Year
1.					
2.					
3.					

2.6	Awards / Medals / Fellowships Academic Recognitions:	
Award	Particulars	
1	Proficiency award in the Electrical Engineering branch for the 1985 batch from TKM college of Engineering, Quilon, Kerala.	

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2.7	Organiser / Convenor of International / National Conferences / Symposia / Seminars:			
	SI No.	Title and year	Chief organiser/ Convener	Co-organiser/ co-convener
International Level	1	-		
	2	-		
		-		
National Level	1			
	2			
		-		

3	Assessment of Domain Knowledge				
3.1	Experience Additional Teaching / Industrial Experience after obtaining minimum eligibility criteria for the particular post (Only Full-time teaching assignments and/ Industrial Experience not below the rank of Lecturer in UGC/AICTE approved institutions/ Assistant Manager / Officer in a public / multi-national Company, after obtaining the minimum educational qualifications for this post)				
	SI No.	Institution	Post held	Period (from ... to..)	No. of years
University PG Level	1.				
	2.				
University UG/College level	1.				
	2.				
Industrial	1.				

Experience	2.				
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3.2	<i>Additional Research Experience after Ph. D</i>			
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	Institution	Post Held	Period	No. of years
Post-Doctoral Research				
Design of Experiments for P. G. Level laboratory course				
Maintenance and operations of sophisticated equipments				

(In the case of Teachers who are also doing research work, their teaching experience alone will be counted – credit for both teaching and research will not be awarded concurrently)

3.3	<i>Academic / Administrative Experience (give particulars):</i>		
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3.03 (a)	<i>Administrative experience:</i>		
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SI No	Post Held	Period	No. of years
1	Student's Industrial training coordinator	2013-2014	One
2	Secretary - PTA	2012 to 2014	Two +
3	Class tutor	2001-2005, 2009-2013, 2015-to date	9

3.03 (b)	Academic experience (Member, Board of studies, Academic council / Faculty etc.)		
SI No	Positions held	Period	No. of years
1	Associate Professor	01-01-2006 to date	9
2	Lecturer(Selection Grade)	09-09-2000 to 31-12-2005	5
3.	Lecturer(Senior Scale)	09-09-1996 to 08-09-2000	4
4.	Lecturer	07-08-1990 to 08-09-1996	6
5.	Member of research committee	2013 to date	3
6.	Member of doctoral committee	August 2013 to date	3
7.	Member of Academic council	April 2015-to date	1
Participation in Training Programs/Workshop/Summer Winter-Schools, (organized by Govt. agencies/ UGC/AICTE, ICTP or similar International Organisations) :			
Duration of Course	Title	Agency	Period
Two days	National Seminar on <i>Intelligent Systems- A Technology Demand</i>	Centre for Artificial intelligence, Department of Electronics, CUSAT	October 12-13, 2000.
Two days	<i>International Conference on Ship and Marine Technology (SMART 2000)</i>	Department of Ship Technology, CUSAT	19-20 th December 2000
Two days	<i>International Advance Computing Conference (IACC'09)</i>	IEEE	6-7 th March 2009
Two days	<i>National Conference on Software Engineering (NCSOFT)</i>	Department of Computer Science, CUSAT in association with Computer Society of India	May 24-25, 2010
One day	<i>Workshop on Marine Corrosion and its Prevention</i>	DST Purse Scheme	24th March, 2012
One day	<i>International Seminar on Developments of Maritime, Offshore, Oil and Gas Industry</i>	Middle East Alumni of Ship Technology (MAST) & Dept. of Ship Technology, CUSAT	7 th Aug 2014

Thirteen days	All India short-term course on <i>'Emerging Technologies in Energy Management with emphasis on Recent Advances in Non Conventional Energy Sources'</i>	AICTE/ISTE	15 th to 27 th March 2004
Two weeks	short-term course on <i>Modelling and optimization techniques in Engineering'</i>	AICTE/ISTE	18 th to 30 th October 2010
Two weeks	short-term training programme on <i>'Safety Aspects in Engineering-Need & Practices'</i>	ISTE	28 th March to 8 th April 2011
Two weeks	short-term course on <i>'Recent Trends and Developments in Microwave Engineering & Communication'</i>	AICTE	20 th May to 2 nd June, 2013
Two weeks	Faculty Development Programme on <i>'Using Intranet & Linux Tools for Empowering Engineering Faculty'</i>	AICTE	10 th June to 22 nd June, 2013

Declaration

I, ...Mariamma Chacko have read the notification and all other related instructions. All information and data furnished above are true to the best of my knowledge and belief.

Place: Kochi 22
Date: 26-08-2016

Signature

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