

CURRICULUM VITAE



1.	Name		Usha Kumary. K. L	
2.	Position		Associate Professor & HOD	
3.	Qualification		M. Tech	
5.	Area of Specialization		Applied Electronics & Instrumentation	
6.	Research Interests		Photovoltaic System	
9.	E-mail		ushakumarykl@gmail.com	
10.	Mobile/Phone No.		8547632421	
11.	Date of joining		01/06/1998	
12.	Academic History			
		Degree	University	
	a)	Ph.D(Doing)	University of Kerala, Thiruvananthapuram	
	b)	Master's	University of Kerala,Thiruvananthapuram	
	c)	Bachelor's	Madurai Kamaraj University, Tamilnadu	
13.	Faculty Job Experience			
		Position	Institution	Year
	a)	Assistant Professor &HOD	Sree Ayyappa College, Eramallikkara,Chengannur	1998
	b)	Assistant Professor	MES College of Engineering (Calicut University), Kuttippuram, Malappuram	1994
	c)	Senior Research Fellow(SRF)	Electronics Research & Development Centre(ER&DC), presently renamed as Centre for Development of Advanced Computing(CDAC), Govt. of India, Thiruvananthapuram	1992
14.	Major/Minor Projects sanctioned			
		Topic	Funding Agency	Year
	a)	Modeling and Simulation of Photovoltaic System	University Grants Commission(UGC)	2013
15.	Grants received			
		Funding Agency	Year	Amount (Rs.)

	a)	University Grants Commission(UGC)	2011	Rs.27,000/-		
	b)	University Grants Commission(UGC)	2013	Rs.1,90,000/-		
	c)	Kerala State Council for Science, Technology and Environment(KGCST), Thiruvananthapuram	2018	Rs.40,000/-		
	d)	Institution of Electronics &Telecommunication Engineers(IETE), Kochi Chapter	2018	Rs.10,000/-		
17.	Academic Representations in University					
		Position	UG/ PG	Department	University	Year
	a)	Additional Examiner	UG	Electronics & Communication Engg.	Calicut University	2004-2020 2004-2019
	b)	Additional Examiner	UG	Electronics	University of Kerala	
	c)	Chief Examiner	UG	Electronics	University of Kerala	2013,2015, 2016, 2018-2020
	d)	Chairman, Board of Examiners	UG	Electronics	University of Kerala	2009-2010
	e)	Member, Scheme and Syllabus Committee for the newly introduced CBCSS	UG	Electronics	University of Kerala	1994-1995
	f)	Member, Scheme and Syllabus Committee for B. Tech in Applied Electronics and Instrumentation	UG	Electronics & Communication Engg.	Calicut University	
18.	Academic Co-ordinator in College					
		Position	Name of event		Period/Year	
	a)	Head of the Department	Electronics		1998 onwards	
	b)	Member	Staff Council			
	c)	Member	Admission Committee		2002-2003 to 2019-2020	
	d)	Co-ordinator	B. Sc Electronics Class		2001-2004 Batch 2004-2007Batch 2005-2008Batch(Two students have got University	

				Ranks) 2009-2012Batch 2012-2015Batch 2016-2019 Batch
	e)	Examination In_Charge	Odd Semester Exams. Conducted in the College	2002-2003(Started in the College), 2006-2007, 2007-2008, 2011-2014
	f)	Project Co-ordinator	B. Sc Electronics Final Year student Projects	2003-2004 upto 2016-2017 except 2006-2007 and 2009-2012
	g)	Seminar Co-ordinator	B. Sc Electronics Final Year Students	2009-2010
	h)	Founder Co-ordinator	Nature Club POONKAVANAM	2002-2009
	i)	Co-ordinator	Postmetric Scholarships(Directorate of Collegiate Education, Govt. of Kerala has started the online registration for Scholarships)	2011-2012
	j)	Member	NSS Advisory Committee	2010-2011
	k)	Member	Selection Committee for the Selection of Teacher Fellows for FDP(UGC) in Electronics	2013
	l)	Deputy Warden	Ladies Hostel	2012-2013
	m)	Convenor	College Level Monitoring Committee(CLMC)	2015-2018
	n)	Co-ordinator	Staff Club	2018-2020
	o)	Co-ordinator	Alumni Association	2019-2020
19.	Conference/Seminar/Workshop /organized as Convener			
		Topic	Date	
	a)	UGC sponsored State Level Seminar on Modern Trends in Digital Signal Processing(First and the foremost Programme in the College conducted with the Financial Assistance from UGC)	26 th to 27 th August 2011	
	b)	National Seminar on Recent Trends in Biomedical Science and Informatics sponsored KGCST, Thiruvananthapuram and IEEE Kochi Chapter	27 th to 28 th April 2018	

	c)	Nature Education Camp at Perumthenaruvi, Pathanamthitta, Kerala	30 th January 2003
	d)	Nature Education Camp at Eravikulam National Park , Munnar, Kerala	2004
	e)	Nature Education Camp, Vazhachal Forest Division,Thrissur, Kerala	25 th to 26 th March 2006
	f)	Nature Education Camp, Vazhachal Forest Division,Thrissur, Kerala	20 th to 22 nd February 2007
	i)	Nature Education Camp at Kallar Forest Area and Ponmudi, Kerala	18 th to 20 th February 2008
	j)	Nature Education Camp at Periyar Tiger Reserve, Vallakkadave, Kerala	10th to 12 th February 2009
20.	Publications (Books)		
		Topic	ISBN & Press
	a)	Recent Trends in Biomedical Science and Informatics	978-81-936117-3-9, GREZE Scientific Society, Trivandrum
22.	Visited Countries		
23.	Invited Talks in conferences/Seminars		
		Name of conference/seminar	Institute
	a)	Workshop on Energy Conservation Practices	St. Gregorios College, Kottarakkara
24.	Refresher/NPTEL /Orientation / FLAIR Courses attended		
		Topic	Institute/NPTEL
	a)	Multidiscipline(Orientation Course)	Academic Staff College, University of Kerala
	b)	Computer Applications(Refresher Course)	Academic Staff College, University of Kerala
	c)	Computer Applications(Refresher Course)	Academic Staff College, M G University
	d)	Optoelectronics (Refresher Course)	Academic Staff College, University of Kerala
	e)	Modern Trends in Digital Signal Processing(Summer School)	Regional Engineering College(REC) presently National Institute of Technology(NIT), Calicut
	f)	Organic Solar Cells: Principles and Practices(Winter Course)	National Institute of Technology(NIT), Calicut
	g)	Entrepreneurship(FDP)	Regional Engineering College(REC) presently

			National Institute of Technology(NIT), Calicut TKM College of Engineering, Kollam	18 th to 24 th June 2014	
	h)	Challenges in Semiconductor Chip Design in Device and Circuit Perspectives			
	i)	Research Topics in VLSI Devices, Circuits and Signal Processing	TKM College of Engineering, Kollam	26 th to 30 th September 2016	
	j)	PV Module Reliability	Indian Institute of Technology(IIT), Mumbai	3 rd to 4 th April, 2014	
26.	National/International Conference presentations (Oral/Poster)				
		Topic	Name of conference	Institution	Date
	i)	Measurement of Hole Mobility in P3HT based Photovoltaic Cell using Space Charge Current Limited Method	International Conference on Advanced Materials	Nirmalagiri College, Kannur, Kerala	12 th to 14 th June 2019
	ii)	Admittance Spectroscopy in the Measurement of Hole Mobility in Organic Photovoltaic Cell	International Conference on Microelectronics , Signals & Systems	TKM College of Engineering, Kollam, Kerala	27 th to 28 th September 2019
27.	Participation in conferences/Workshops/Seminars (Without paper Presentation)				
		Topic of event	Institution	Date	
	i)	Optoelectronics & Applications(National Seminar)	University of Kerala	19 th to 20 th March 1999	
	ii)	Quantum Cryptography(National Seminar)	College of Engineering , Perumon, Kollam, Kerala	20 th November 2009	
	iii)	Energy Secure Kerala: Role of Renewables(National Conference)	Sree Budha College of Engineering, Pattoor, Alappuzha, Kerala	2 nd October 2012	
	iv)	VLSI & Embedded Systems Technology, Advancements(National Conference)	Sree Budha College of Engineering, Pattoor, Alappuzha, Kerala	3 rd to 5 th October 2012	
	v)	Signals & Speech Processing (International Conference)	TKM College of Engineering, Kollam, Kerala	21 st to 23 rd August 2014	
	vi)	Troubleshooting and Maintenance of Electronics Lab Equipments	TKM College of Engineering, Kollam, Kerala	19 th to 20 th December 2006	
	vii)	Eco-tourism	SN College, Chengannur,	18 th January 2008	

			Alappuzha, Kerala	
28.	Any Other	i)Presiding Officer , General Elections, Kerala ii)Resource Person at Integrated Child Development Service(ICDS) centre at Eramallikkara iii)Member of National Service Scheme(NSS) and IEEE during my UG iv)At present, member of i)IETE and GIAN		