College of Engineering Trivandrum

]Department of Electronics & Communication Engineering

Research Supervision

Sl. No.	Name of the Faculty	Name of Research Scholar	Title of Thesis	University	Year of Registration
1.	Dr. Jiji C.V.	Anitha Edison	Action Recognition	Kerala University	2014
2.		Blossom Treesa Bastian	Object Detection	Kerala University	2014
3.		Parvathi V. S.	3D Scene Reconstruction	Kerala University	2014
4.		Neetha George	OCT Image Segmentation	Kerala University	2015
5.		Linu Shine	Anomaly Detection	Kerala University	2015
6.		Anoop Johnson	HDR Image Generation	Kerala University	2015
7.		Deepa P. L.	Image Deblurring using Blind Deconvolution	Kerala University	2015
8.		Sreena V. G	Super Resolution of Hyper Spectral Images	Kerala University	2015
9.	Dr. Ciza Thomas	Ms. Jisa David	Information Theoretic Approach to Distributed Denial of Service Attack Detection	Kerala University	2014
10.		Ms. Anne Dickson	Optimization Techniques for effective detection of Intrusions	Kerala University	2013
11.		Ms. Bindu V.	Adaptive, Intelligent, Ontological Spam Filter	Kerala University	2013
12.		Ms. Rejimol Robinson	Mitigation Techniques for Distributed Denial of Service Attacks	Kerala University	2013
13.		Mr. Satheesh	Detection of adversaries on Mobile Android Networks	Kerala University	2015

14.		Mr. Rendhir R. Prasad	Self Healing and Self Evolving Cyber Security Systems	APJAKTU	2016
15.		Ms. Cynara Justine	Usability and Privacy in HCI perspective	APJAKTU	2017
16.	Dr. Santhosh Kumar S.	Sathya Jose	Study and Recognition of Animal Muzzle Patterns	Kerala University	2008
17.		S. Rishidas	Motor Current Signature Analysis Using Multi Resolution Methods	Kerala University	2007
18.		Suma Sekhar	Techniques to improve Time and Frequency Synchronisation technique in MIMO-OFDM System	Kerala University	2013
19.		Asha J	Analysis of Satellite CloudImages For RainFall Prediction Using Transform Domain Methods	APJAKTU	2019
20.		Sanoj Viswasom	Study of Optimized And Filter Structures For Wirelesss Communication Systems	APJAKTU	2019
21.	Dr.Biji Jacob	MonishaMenon A	Space vector based pulse density modulation of multi-level inverter	APJAKTU	2017
22.		PoornimaIndusekhar	Improved maximum Power Point Tracking of Solar Cell	APJAKTU	2017
23.		Jeeshma Mary Paul	3D Space vector based sigma delta modulation scheme for Induction Motor Drive	APJAKTU	2018
24.	Dr. Suresh K	Jazir S	Performance Analysis of Channel Estimation Techniques for Massive MIMO-OFDM systems	APJAKTU	2017
25.		Ambily N	Deep Learning Applications in Biomedical Signal	APJAKTU	2017

			Processing		
26.		AswathyMadhu	Classification of Environmental Sounds	APJAKTU	2017
27.		Salini S	Environmental Sound Analysis	APJAKTU	2018
28.	Dr. Tara Raveendran	T. S. Anu	Channel Estimation in Wireless Communication	APJAKTU	2018
29.		Chandini G S	PWM Based Common Mode Voltage Elimination Techniques for Open-End Winding Induction Motor Drives	University of Kerala	2013
30.		AnishGopinath	Three Dimensional Space Vector PWM for Multilevel Inverters	University of Kerala	2013
31.		Sumam M J	FPGA Implementation Of Space Vector Pulse Width Modulator for Multilevel Inverters	University of Kerala	2016
32.	Dr. Shiny G.	Smitha P S	Investigations On Hybrid Energy Storage Systems For Renewable Energy	APJAKTU	2017
33.		Surashmi N L	Power Quality Improvement Using Active Filters In Induction Motor Drives	APJAKTU	2017
34.		Lakshmylal P L	Study And Evaluation Of Physiological Features Of Autism Using EEG Through Computational Techniques	APJAKTU	2018
35.		Shani S J	Space Vector PWM Techniques for Multiphase Multilevel Inverters	APJAKTU	2018
36.		LathaV.	OCT/Image segmentation	Kerala University	2016
37.	Dr. Sreeni K.G.	AravindSekhar	Haptic Rendering	Kerala University	2016
38.		Joaquim Ignatious Monterio	Music Signal Processing	APJKTU	2019
39.	Dr. David Solomon George	KavyaManohar	Malayalam Speech Recognition	APJKTU	2019

40.	Dr. Rajeev Rajan	Lekshmi C K	Instrument Recognition	APJKTU	2019
41.	Dr. Rajeev Rajan	Amlu Anna Joshi	Speech Recognition	APJKTU	2019
42.	Dr. Rajeev Rajan	Ajitha K P	Mimicing Speech Recognition	APJKTU	2019
43.	Dr. Rajeev Rajan	Jazir S	Performance Analysis of Channel Estimation Techniques for Massive MIMO-OFDM systems (Co-guide)	APJAKTU	2017
44.	Dr. Joseph Zacharias				

Ph.D. Awarded

Ph.D. Degree Awarded in the Department of Electronics & Communication Engineering

2017

No	Year	Name of the Scholar	Name of the Supervisor	Thesis Title	Date of degree awarded
8	2017	Mrs.Nitha V Panicker	Dr.A. Sukesh Kumar	Real time monitoring of physiological Parameters through telemedicine	12/20/2017

2018

No	Year	Name of the Scholar	Name of the Supervisor	Thesis Title	Date of degree awarded
5	2018	Tony Jose	Dr.NVijayakumar	Minimizing Total Harmonic Distortion (THD) in Radio over Fiber Systems	01/10/2018(open defence)
6	2018	Joseph Zacharias	Dr.NVijayakumar	Performance Improvement of Optical Wireless Systems	17/04/2018
7	2018	Pradeep R.	Dr.NVijayakumar	Performance Enhancement of Radio over Fiber Systems	24/03/2018

2019

No	Year	Name of the Scholar	Name of the Supervisor	Thesis Title	Date of degree awarded

1	2019	Smt. Yamuna K Moorthy	Dr. Shiny G. & Dr. Sakuntala S Pillai	Energy Efficient Design in Cognitive Radio Networks	03-05-2019 (Open Defence)
2	2019	Reshmalaksmi C.	Dr. Shiny G. & Dr. M. Sasikumar	Improved Image Enhancement using Fuzzy Logic	25/02/2019 (Open Defence)
3	2019	MaliniS.	Dr Jiji C V &Dr.R.S.Moni	Novel Multiresolution Techniques for Gray and Color image Denoising	11/02/2019 (open defence)
4	2019	Sreedevi P.	Dr.NVijayakumar	Performance enhancement of OFDM based Radio Over Fibre Systems	11/01/2019 (open defence)
5	2019	Vinod BR	Dr. Shiny G	Direct Torque Control Techniques For Inverter Fed Open-End Winding Induction Motor Drives	20/09/2019 (open defence)