



# Jyothi Engineering College

NAAC Accredited College with NBA Accredited Programmes\*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O. CHERUTHURUTHY, THRISSUR, PIN-679531 PH : +91- 4884-259000, 274423 FAX : 04884-274777



NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

Sl. No	Name of the teacher	Title of the paper	Name of the conference	Year	ISBN/ISSN number
1	Anu Sunny, Jarin T	A PV based Microinverter with bidirectional battery charging application in the input stage	IEEE International Conference on Communication and signal processing	2019-2020	978-1-7281-4989-9
2	Jarin T	THD Reduction in Execution of A Nine Level Single Phase Inverter	2020 International Conference on Communication and Signal Processing (ICCSP)	2019-2020	978-1-7281-4988-2
3	Jenson Jose, Jose P therattil	A Novel LCC-LCL Compensation WPT System for Better Performance	International Conference on Electronics, Communication and Computing Technologies (ICECCT)	2019-2020	978-1-5386-8158-9
4	Jenson Jose	GA Based Intelligent Algorithm for Efficient Power Transfer	2019 IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT)	2019-2020	978-1-5386-8159-6
5	Jithin K Jose	A Reliable Inverter For Wireless Power Transfer Applications	2018 International Conference on Circuits and Systems in Digital Enterprise Technology (ICCSDET)	2019-2020	978-1-5386-0577-6
6	Prajoon P	CSI based Analytical Model for evaluation of DC Characteristics in AlGaN/GaN/AlInN MOS-HEMT using high-k dielectrics	<u>2020 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA)</u>	2019-2020	978-1-7281-6388-8
7	B. Deepanraj	Biodiesel Production from Mixed Elengi and Pongamia Oil using Calcined Waste Animal Bone as a Novel Heterogeneous Catalyst	International Conference on Technological Advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDMS'20) 20-21	2019-2020	1757-899X
8	Shijoh V	Distributed State Estimation of a Non-linear process system with interconnected subsystems	IOP Conference Series: Materials Science and Engineering	2019-2020	1757-899X

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9	Dr. PRAJOON P	Luminous power improvement in InGaN V-Shaped Quantum Well LED using CSG on SiC Substrate	IOP Conference Series: Materials Science and Engineering	2019-2020	1757-899X
10	Bindhu K Rajan	Light Field Imaging: - A Comparative Study of Plenoptic Image Compression Techniques	2018 International Conference on Control, Power, Communication and Computing Technologies (ICCPCT)	2018-2019	978-1-5386-0797-8
11	Dr. JOSE P THERATTIL	A Novel LCC-LCL WPT Compensation for Better Performance	International Conference on Electrical, Computer and Communication Technologies (ICECCT)	2018-2019	978-1-5386-8159-6
12	Prajoon P	Object detection and counting using unsupervised method	2019 International Conference on Intelligent Computing and Control Systems (ICCS)	2018-2019	978-1-5386-8114-5
13	Fr. DAVID NETTIKADAN	Student Monitoring System for School Bus Using Facial Recognition	3rd International Conference on Trends in Electronics and Informatics (ICOEI)	2018-2019	978-1-5386-9440-4
14	Dr. Anoop V	Detection Of Waves In Ecg For Arrhythmia Classification, International Conference On Trends In Electronics And Informatics (ICOEI)	Third International Conference on Trends in Electronics and Informatics (ICOEI 2019)	2018-2019	978-1-5386-9440-4
15	BINDHU K RAJAN	Efficient Enhancement of Hepatic and Splenic Carcinoma in Canine using Image Processing	2019 International Conference on Communication and Signal Processing (ICCSP)	2018-2019	978-1-5386-7596-0
16	David Nettikadan	iLTI-QAT: A Model to Orchestrate Interaction Sessions in Hybrid MOOCs	2018 IEEE Tenth International Conference on Technology for Education (T4E)	2018-2019	978-1-7281-1144-5
17	Jithin K Jose	An Efficient Resonant Converter Based Charging Scheme for Electric Vehicle	2019 5th International Conference on Advanced Computing & Communication Systems (ICACCS)	2018-2019	978-1-5386-9533-3
18	B. Deepanraj	Investigation and Optimization of Machining Parameters Influence on Surface	International Conference on Recent Developments in Mechanical Engineering	2018-2019	1451-2092

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		Roughness in Turning AISI 4340 Steel			
19	PONMANI RAJA M	PAPR Reduction in F-OFDM Modulation Scheme For 5G Cellular Networks Using Precoding Technique	International Conference Information, Communication & Computing Technology (ICICCT-2019)	2018-2019	978-981-15-0146-3
20	Mr. Anil Antony	An Intelligent System for Thyroid Disease Classification and Diagnosis	International Conference on Inventive Communication and Computational Technologies (ICICCT)	2017-2018	978-1-5386-1975-9
21	Mr. Dany Varghese	A Novel Approach for Diagnosing Alzheimer's Disease Using SVM	2nd International Conference on Trends in Electronics and Informatics (ICOEI)	2017-2018	978-1-5386-3571-1
22	Ms. Aswathy Wilson	An Artificial Intelligence Approach for Predicting Different Types of Stroke	International Conference on Inventive Communication and Computational Technologies (ICICCT)	2017-2018	978-1-5386-1975-9
23	Ms. Divya M Menon	Design of a Trusted Third Party Key Exchange Protocol for Secure Internet of Things (IoT)	International Conference on Inventive Communication and Computational Technologies (ICICCT)	2017-2018	978-1-5386-1975-9
24	Ms. Namitha T N	Ensemble Approach for Predicting Genetic Disease through Case-Control Study	International Conference on Inventive Communication and Computational Technologies (ICICCT)	2017-2018	978-1-5386-1975-9
25	Ms. Reshma K V	A Novel Method of Object Identification and Tagging Using Speeded-Up Robust Feature	International Conference on Inventive Communication and Computational Technologies (ICICCT)	2017-2018	978-1-5386-1975-9
26	Ms. Swapna B Sasi	Classification of WBC Using Deep Learning for Diagnosing Diseases	International Conference on Inventive Communication and Computational Technologies (ICICCT)	2017-2018	978-1-5386-1975-9
27	Ms.Sobha Xavier P	An Intelligent System for Early Assessment and Classification of Brain Tumor	International Conference on Inventive Communication and	2017-2018	978-1-5386-1975-9

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NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

			Computational Technologies (ICICCT)		
28	Dr. Raju C K	Design and Comparative Analysis of Mobile Computing Software Framework	International Conference on Inventive Communication and Computational Technologies (ICICCT)	2017-2018	978-1-5386-1975-9
29	Fr. Dr. A. K. George	Performance Analysis of Various Combination Sorting Algorithms for Large Dataset to fit to a Multi-Core Architecture	2nd International Conference on Inventive Communication and Computational Technologies (ICICCT 2018)	2017-2018	978-1-5386-1975-9
30	Prof. M T Rajappan Pillai	A Standalone Generative Conversational Interface Using Deep Learning	Second International Conference on Inventive Communication and Computational Technologies (ICICCT)	2017-2018	978-1-5386-1975-9
31	Mr. Thomas George	Detecting Insurance Claims Fraud Using Machine Learning Techniques	International Conference on circuits Power and Computing Technologies [ICCPCT], July 2017	2017-2018	978-1-5090-4968-4
32	Ms. Jyothis T S	A Novel Approach for Mirna Target Prediction Using Deep Learning	International Conference on Inventive Communication and Computational Technologies (ICICCT)	2017-2018	978-1-5386-1975-9
33	Mr. Bineesh M, Ms. Aswathy Wilson	A Novel method for brain proficiency analysis based on audio tracking	International Conference on circuits Power and Computing Technologies [ICCPCT], July 2017	2017-2018	978-1-5090-4968-4
34	Mr. Aneesh Chandran	Artificial Neural Network for Diagnosing Autism Spectrum Disorder	International Conference on Trends in Electronics and Informatics (ICOEI)	2017-2018	978-1-5386-3571-1
35	Jarin T	A revamped model of single phase step up five level inverter	IEEE International Conference on Intelligent Computing, Instrumentation and control (ICICCT-2017)	2017-2018	978-1-5090-6106-8
36	Anu Sunny	High voltage gain DC-DC converter for DC microgrid	IEEE International Conference on Intelligent Computing, Instrumentation and control (ICICCT-2017)	2017-2018	978-1-5090-6106-8

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NBA accredited 8 Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, and Mechanical Engineering, valid for the academic years 2016-2022. NBA accredited 8 Tech Programmes in Civil Engineering, valid for the academic years 2019-2022



37	Della David	An interleaved converter with maximum power point tracking	IEEE International Conference on Intelligent Computing, Instrumentation and control (ICICICT-2017)	2017-2018	978-1-5090-6106-8
38	Saritha P	High Gain Single Stage Inverter	IEEE International Conference on Intelligent Computing, Instrumentation and control (ICICICT-2017)	2017-2018	978-1-5090-6106-8
39	Ms. Divya M Menon	Design of an integrated speed tracking and toll management system for express highways	International Conference on Computing Methodologies and Communication (ICCMC)	2017-2018	978-1-5090-4890-8
40	Ms. Scenia Francis	Intelligent tool for Malayalam cursive handwritten character recognition using artificial neural network and Hidden Markov Model	International Conference on Inventive Computing and Informatics (ICICI)	2017-2018	978-1-5386-4032-6
41	Mr. Anil Antony, Ms. Diana Davis	Brain accuracy analysis based on motion detection through gaiting	International Conference on Circuit, Power and Computing Technologies (ICCPCT)	2017-2018	978-1-5090-4968-4
42	Ms. Diana Davis	Haar wavelet transform based histogram concatenation model for finger print spoofing detection	International Conference on Communication and Signal Processing (ICCSP), 2017	2016-2017	978-1-5090-3801-5
43	Dr. Wajeed	Adopting Ant Colony Optimization for Supervised Text Classification	International Conference on Advances in Computing, Communications and Informatics (ICACCI)	2016-2017	978-1-5090-2030-0
44	Bindhu K. Rajan	Braille code conversion to voice in malayalam	2017 International Conference on Communication and Signal Processing (ICCSP)	2016-2017	978-1-5090-3801-5
45	Bindhu K. Rajan	Text recognition and face detection aid for visually impaired person using Raspberry PI	2017 International Conference on Circuit, Power and Computing Technologies (ICCPCT)	2016-2017	978-1-5090-4968-4

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46	M. Ponmani Raja	WSN based industrial parameter monitoring using smartwatch	2017 International Conference on Circuit ,Power and Computing Technologies (ICCPCT)	2016-2017	978-1-5090-4968-4
47	Ms. Nyni K.A	Wireless Health Monitoring System for ECG, EMG and EEG Detecting	2017 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS)	2016-2017	978-1-5090-3294-5
48	Neethu Rose	Power management system in vessel	2016 Online International Conference on Green Engineering and Technologies (IC-GET)	2016-2017	978-1-5090-4556-3
49	Jenson Jose	A novel three phase three level step up multilevel inverter topology for aircraft applications.	2016 IEEE International Conference on Power Electronics, Drives and Energy Systems(PEDES).	2016-2017	978-1-4673-8888-7
50	Kapildas K S	Improved Nonisolated Bidirectional DC-DC Converter with high voltage for PV Hybrid Power Systems.	IEEE International Conference on Circuit,power and computing technologies	2016-2017	978-1-5090-4967-7
51	Lippin Pauly, Christy, Melvinraj,	Numerical Simulation for Solar Hybrid Photovoltaic Thermal Air Collector	International Conference on Emerging Trends in Engineering, Science and Technology	2015-2016	2212-0173
52	Ms. Jyothis T S	Text classification using KM-ELM classifier	International Conference on circuits Power and Computing Technologies	2015-2016	978-1-5090-1278-7
53	K U Anjali	Real-time nonintrusive monitoring and detection of eye blinking in view of accident prevention due to drowsiness	2016 International Conference on Circuit, Power and Computing Technologies (ICCPCT)	2015-2016	978-1-5090-1278-7
54	Mr. Ponmaniraja M	Comparison Between SLM-Companding And Precoding-Companding Techniques In OFDM Systems	2016 International Conference on circuit, power & computing technologies	2015-2016	978-1-5090-1277-0
55	Abin Johns Raju	A novel security enabled speed monitoring system for two wheelers using wireless technology	2016 International Conference on Circuit, Power and Computing Technologies (ICCPCT)	2015-2016	978-1-5090-1277-0

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56	Reshma Raj	A review of PFC CUK Converter Fed BLDC Motor Drive Using Artificial Neural Network	IEEE international conference on Electrical, Electronics and Optimization Techniques(ICEEOT)-IEEE	2015-2016	978-1-4673-9939-5
57	Jenson Jose	A new three phase step up multilevel inverter for renewable energy applications.	IEEE International Conference on circuit,power and computing technologies-IEEE	2015-2016	978-1-5090-1277-0
58	Della David	Interleaved Buck Converter with continuous supply current using ooc technique	IEEE International Conference on Electrical,Electronics and Optimization Techniques(ICEEOT)	2015-2016	978-1-4673-9939-5
59	Della David	High gain single switch boost converter for sustainable energy applications using switched capacitor and coupled inductor	IEEE International Conference on Electrical,Electronics and Optimization Techniques(ICEEOT)	2015-2016	978-1-4673-9939-5
60	Saritha P	Closed loop control of high conversion ratio isolated bidirectional DC to DC converter.	IEEE International Conference on Electrical,Electronics and Optimization Techniques(ICEEOT)	2015-2016	978-1-4673-9939-5
61	Aathira K V	TransformerlessDual input Dual Output DC-DC Converter for Electric Vehicles.	IEEE International Conference on Electrical,Electronics and Optimization Techniques(ICEEOT)	2015-2016	978-1-4673-9939-5
62	Rengini G	Soft Switching SEPIC Boost Converter with High Voltage Gain	IEEE International Conference on Electrical,Electronics and Optimization Techniques(ICEEOT)	2015-2016	978-1-4673-9939-5
63	Rengini G	PWM Control of Soft-Switched Single Switch Isolated DC-DC Converter.	IEEE International Conference on Electrical,Electronics and Optimization Techniques(ICEEOT)	2015-2016	978-1-4673-9939-5
64	Akhil A Balakrishna	A Closed Loop Control of Switched Coupled Inductor DC-DC Step up	IEEE International Conference on Electrical Electronics and	2015-2016	978-1-4673-9939-5

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		Converter by using a Voltage Lift Network for Micro Source Applications.	Optimization Techniques(ICEEOT)		
65	Kapildas K S	Double Integrated Buck Offline Power Supply for Solid State Lighting Applications.	International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) - 2016	2015-2016	978-1-4673-9939-5
66	Aathira K V	Developed Non-isolated High Step-up converter with low voltage stress.	International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) - 2016	2015-2016	978-1-4673-9939-5

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## LIST OF BOOKS AND CHAPTERS IN EDITED VOLUMES/BOOKS PUBLISHED

Sl. No.	Name of Faculty	Title of the book / chapters published	Title of the paper	Year	ISBN Number
67	Prajoon P	Handbook for III-V High Electron Mobility Transistor Technologies	AlGaN/GaN HEMTs for High Power Applications	2019-2020	9780367729240
68	Shiny MI	Soft Computing and Signal Processing	Security Systems in Design for Testing	2018-2019	978-981-13-3393-4
69	Dr. Anitha Jacob, Jisha Akkara, Jose P. Therattil, Jinesh KJ	Emerging Trends in Engineering, Science and Technology for Society, Energy and Environment	Effect of rural highway geometry on driver workload: A step towards safety	2017-2018	1351124129
70	Dr. Anitha Jacob	Lecture Notes in Civil Engineering	Development of Consistency Evaluation Criteria for Indian Two-Lane Rural Highway	2017-2018	978-981-329-042-6

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