

## RESEARCH FACULTY

S.NO.	NAME OF THE FACULTY	SPECIALIZATION	REMARKS
1	Dr. R. Gurumani Professor/S&H	Design Optimization Gear Tooth Modifications Finite Element Analysis	Ph.D. awarded from NIT, Trichy.
2	Dr. Sr. A. Jenitta Professor /ECE	Digital Image Processing Pattern Reorganization Machine Learning	Ph.D. awarded from Anna University, Chennai Recognized Research Supervisor of Anna University, Chennai.
3	Dr. S. Jayasundar Professor /CSE	Computer Networks Web Mining Internet of Things	Ph.D. awarded from Dr. MGR Educational and Research Institute, Chennai.
4	Dr. A. Praveena Professor /S&H	Supra Molecular Chemistry and Biological	Ph.D. awarded from Anna University, Chennai.
5	Dr. S. A. Amutha Jeevakumari Professor /ECE	Reconfigurable Antenna Design Composite materials Wireless Communication	Ph.D. awarded from Anna University, Chennai.
6	Dr. B. Dharanya Assistant Professor /S&H	Enhancing Communicative Competence of ESL Learners through Authentic Materials	Ph.D. awarded from Annamalai University, Chidambaram.
6	Mr. S. Jayaprakash Associate Professor/CSE	Information Security Computer Networks	Pursuing research at Anna University, Chennai.
7	Sr. Arokia Jaya Associate Professor/CSE	Big-Data Analysis	Pursuing research at Anna University, Chennai.
8	Sr. C.Jansi Sophiamary Associate Professor/CSE	Cloud Computing	Pursuing research at Anna University, Chennai.
9	Sr. J. Catherina Mary Assistant Professor /ECE	Digital Image Processing Wireless Communication	Pursuing research at Anna University, Chennai.
10	Sr. Maria Anand Milani Assistant Professor /IT	Information Security	Pursuing research at Anna University, Chennai.
11	Ms. B. Priyadharshini Assistant Professor /S&H	Organic non-linear Optical crystal	Pursuing research at Anna University, Chennai.

## **FACULTY –PUBLICATIONS**

### **ACADEMIC YEAR 2020-21**

<b>S.NO</b>	<b>TITLE OF THE PAPER</b>	<b>NAME OF THE AUTHOR</b>	<b>DEPARTMENT OF THE AUTHOR</b>	<b>NAME OF THE JOURNAL</b>
1.	Analysis of lifting scheme based Double Density Dual-Tree Complex Wavelet Transform for denoising, medical images	Dr.Sr.A.Jenitta	ECE	International Journal for Light and Electron – Optik, Elsevier
2.	Mechanically toughened EMI Shielding Natural rubber composite in Microwave frequency Bands	Dr.S.A.Amutha Jeevakumari	ECE	Plastics,Rubber &Composites
3.	An Efficient Frequency Reconfigurable Antenna with Dual Feed for Wireless Applications	Dr.S.A.Amutha Jeevakumari	ECE	Solid state technology
4.	Role of Cobalt Nanowire and Graphene Nanoplatelet on Microwave Shielding behavior of Natural Rubber Composite in High Frequency Bands	Dr.S.A.Amutha Jeevakumari	ECE	Wiley Journal of Polymer Composites
5.	Survey on Big Data Acquisition tools and techniques	Sr.Arockia Jaya J	CSE	PalArch's Journal of Archaeology of Egypt / Egyptology 17(9)
6.	An Extensive Survey On Resource Allocation Mechanisms In Cloud Computing	Sr.Jansi Sophia Mary C	CSE	PalArch's Journal of Archaeology of Egypt / Egyptology 17(9)

## ACADEMIC YEAR 2019-20

S.NO	TITLE OF THE PAPER	NAME OF THE AUTHOR	DEPARTMENT OF THE AUTHOR	NAME OF THE JOURNAL
1.	Model for the Multi-Source Data Analysis of Big Data Set Tools and Methods for a Customizable Healthcare System	S.JayaPrakash	CSE	International Journal of Advanced Science and Technology
2.	Model for the Multi-Source Data Analysis of Big Data Set Tools and Methods for a Customizable Healthcare System	A.JosephSelva Kumar	IT	International Journal of Advanced Science and Technology
3.	Internet-Of-Drones Migration Accuracy Tracking in Cloud Computing	S. Jayaprakash	CSE	International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE)
4.	Implementation of Pixel Likeness Weighted Frame(PLWF) Filter Technique based Digital Image Denoising for DSP Applications	S. Jayaprakash	CSE	International Journal of Recent Technology and Engineering (IJRTE)
5.	Scalable and Secure Data Sharing with Efficient Revocation In Cloud Computing	S. Jayaprakash	CSE	International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE)

## ACADEMIC YEAR 2018-19

S.NO	TITLE OF THE PAPER	NAME OF THE AUTHOR	DEPARTMENT OF THE AUTHOR	NAME OF THE JOURNAL
1.	Spectral studies on inclusion complexation between 3-hydroxyflavone and 2-Hydroxypropyl- $\beta$ -cyclodextrin	Dr.A.Praveena	S&H	Journal of Analytical Chromatography and Spectroscopy
2.	Content based geographic image retrieval using local vector pattern	Dr.Sr.A.Jenitta	ECE	Brazilian Archives of Biology and Technology
3.	Challenges in integration of Digital Imaging and Wireless Communication	S.Prabakaran	CSE	Journal of Applied Science and Computations
4.	A survey on plant phytopathology and disease management	Sr.Maria Anand Milani	IT	Journal of Applied Science and Computations
5.	Multi Key Word Query Interface for Search Engines	R.Govindan	CSE	Journal of Applied Science and Computations
6.	Image In painting in MRF Framework	P.Mohanavalli	CSE	Journal of Applied Science and Computations
7.	Recognition of human actions from arbitrary views using negotiable lexicon learning	S. Jaya Prakash	CSE	Journal of Applied Science and Computations
8.	Recognition of human actions from arbitrary views using negotiable lexicon learning	P. Poovizhi	ECE	Journal of Applied Science and Computations
9.	Research of Network Vulnerability Analysis Based on Attack Capability Transfer	A. Joseph Selva Kumar	IT	Journal of Applied Science and Computations
10.	Blockchain in Internet of Things:Challenges and Solutions for smart home applications	Sr.J.Arockia Jaya	CSE	Journal of Applied Science and Computations
11.	Cryptanalysis of a Chaotic Image Encryption Algorithm Based on Information Entropy	A.GeorgeArokiaraj	IT	Journal of Applied Science and Computations
12.	A Novel Weighted Particle Swarm Optimization (WPSO) Technique for Breast Cancer Tumor Detection using Image Processing	Sr.Catherina Mary	ECE	Journal of Applied Science and Computations
13.	Nulling Of Inter Block Interference in MIMO-OFDM Systems using Interference Alignment and Alamouti Scheme	V.DhivyaPriya	ECE	Journal of Applied Science and Computations

14.	Nulling Of Inter Block Interference in MIMO-OFDM Systems using Interference Alignment and Alamouti Scheme	K.Solaiyammal	ECE	Journal of Applied Science and Computations
15.	VLSI Implementation using FFT Processor with Optimized LUT Sharing	M.Revathi	ECE	Journal of Applied Science and Computations
16.	Analysis of DGS in reconfigurable Antenna for wireless Applications	Dr.S.A.AmuthaJeevakumari	ECE	Journal of Applied Science and Computations
17.	Analysis of DGS in reconfigurable Antenna for wireless Applications	W.Selvi	ECE	Journal of Applied Science and Computations
18.	Identification of Nutrient Deficiencies in Plant Leaf Using Probabilistic Neural Network	Sr.Catherina Mary	ECE	Journal of Applied Science and Computations
19.	Adaptive equalization for underground acoustic signals and channel estimation	K.Mohana	ECE	Journal of Applied Science and Computations
20.	Adaptive equalization for underground acoustic signals and channel estimation	A.Ruby Roselin	ECE	Journal of Applied Science and Computations
21.	An Efficient Techniques for PAPR reduction in OFDM Systems	A.Safana Amala Yazhini	ECE	Journal of Applied Science and Computations
22.	Performance Enhancement of PV System Using Luo Converter and FLC Based P&O MPPT	M.Benitta Mary	EEE	Journal of Applied Science and Computations
23.	IOT Based Smart Automatic Shopping Cart with Overload	A.Yogarani	EEE	Journal of Applied Science and Computations
24.	Various Industrial applications of Catalysts	D.Santhiya	S&H	Journal of Applied Science and Computations
25.	Improvement in Secure Mosaic Image using Style Transfer	S. Jayaprakash	CSE	International Journal of Pure and Applied Mathematics
26.	Type-2 Fuzzy Shortest Path based on distances	R.Mala	S&H	Journal of Applied Science and Computations

## ACADEMIC YEAR 2017-18

S.NO	TITLE OF THE PAPER	NAME OF THE AUTHOR	DEPARTMENT OF THE AUTHOR	NAME OF THE JOURNAL
1.	A Modern Approach for Motion Detection and Responsive Control of Appliance using MATLAB	S.Dhanalakshmi	ECE	IJSTE - International Journal of Science Technology & Engineering
2.	A Modern Approach for Motion Detection and Responsive Control of Appliance using MATLAB	S.Prabakaran	CSE	IJSTE - International Journal of Science Technology & Engineering
3.	Image Retrieval based on Local Mesh Vector Co-occurrence Pattern for Medical Diagnosis from MRI brain images	Dr.Sr.A.Jenitta	ECE	Journal of Medical Systems, Springer US
4.	Overview of Architecture and Softwarization in 5G Technology	M.Abinaya	CSE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
5.	Security Attacks in Fog Computing- Basic Concepts and Challenges.	S.Jayaprakash	CSE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
6.	Security Attacks in Fog Computing- Basic Concepts and Challenges.	V.Vimala Devi	CSE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
7.	Standard Plane Detection by Ultrasound using a Composite Neural Network Framework	Sr.J.Arockiya Jaya	CSE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
8.	Standard Plane Detection by Ultrasound using a Composite Neural Network Framework	P.Mohanavalli	CSE	International Journal of Advanced Research Trends in Engineering and Technology

9.	Impact of Security Issues with Reference to Jajodia-Dogan Model	A.Lillysara	CSE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
10.	Impact of Security Issues with Reference to Jajodia-Dogan Model	I.Jenifer	IT	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
11.	An Efficient Algorithm for Secure Logging Mechanism in Cloud Based Services	R.Govindan	CSE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
12.	Prevention of Zombies Attacks in distributed networks using Dynamic Path Identifier	George Arokiaraj	IT	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
13.	Prevention of Zombies Attacks in distributed networks using Dynamic Path Identifier	Sr.Maria Anand Milani	IT	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
14.	Detecting Diseases in Various Plants using Digital Image Processing with Region based Segmentation	A.SafanaAmalaYazhini	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
15.	A Fast Panorama Stitching Method of Image Sequence	Dr.Sr.A.Jenitta	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
16.	A Fast Panorama Stitching Method of Image Sequence	Sr.J.Catherina Mary	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)

17.	Implementation of 32nm FINFET Dynamic Comparator for Flash Type ADC	T.Radha	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
18.	Medical Image Fusion with Extended Fuzzy Switching Median Filter	W.Selvi	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
19.	Medical Image Fusion with Extended Fuzzy Switching Median Filter	J.ShinyChristobel	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
20.	Wireless Power Transmission in Wireless Sensor Network using Inductive Coupling	G.AntoniGracy	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
21.	IoT Technology, Challenges and Application in Agriculture- A Survey	K.Solaiyammal	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
22.	IoT Technology, Challenges and Application in Agriculture- A Survey	V.Dhivyapriya	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
23.	Android Mobile Phone Finger Print Sensor Recognition based Car Lock System by using Wifi Technology	N.Hemalatha	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
24.	Android Mobile Phone Finger Print Sensor Recognition based Car Lock System by using Wifi Technology	P.PrincyPushpa	ECE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)



25.	A Novel Control Topology for Dc-Dc Boost Converter using Soft Computing Techniques	R.Shalini	S&H	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
26.	Flying Pav Using Novel Steering Concept	A.Yogarani	EEE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
27.	Application of Pulsed Electric Field In Inactivation of Microbial Organisms	K.Nanthini	EEE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
28.	Application of Pulsed Electric Field In Inactivation of Microbial Organisms	S.Thivya	EEE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
29.	Virtual Flux based Reactive Power Compensation at the AC Side of PWM Rectifier using Soft Computing Technique	M.Benitta Mary	EEE	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
30.	Source of Learning English Language	K.Marie Devi	S&H	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
31.	Abatement Techniques for Air Pollution	D.Santhiya	S&H	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
32.	An Power Competent Routing Protocol with Maximum Lifetime in MANET- Survey	R.Mala	S&H	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)

33.	Nanotechnology	V. Indhumathy	S&H	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
34.	Nanotechnology	B. Priyadharshini	S&H	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
35.	Differential Epidemic Model of Dengue Virus Attack in Human Body	A. Joseph Selva Kumar	IT	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)
36.	Ontology based Efficient Multi keyword Query Interface for Search Engines	S. Jayasundar	IT	Asian Journal of Information Technology
37.	A Survey on Profit Maximization for Cloud Users using Double Quality Guaranteed Scheme	S. Jayasundar	IT	Advanced in Natural and Applied Sciences
38.	Search Rank Fraud and Malware detection in google play	S. Jayasundar	IT	International Research Journal in Advanced engineering and technology

## ACADEMIC YEAR 2016-17

S.NO	TITLE OF THE PAPER	NAME OF THE AUTHOR	DEPARTMENT OF THE AUTHOR	NAME OF THE JOURNAL
1.	RFID based Intelligent Book finder using Ultra High Frequency Sensor	K.Solaiyammal	ECE	International journal of Innovative Research in Computer and Communication Engineering
2.	An Efficient Approach towards Tidal Power Production using Vertical Planar Motion	S.Dhanalakshmi	ECE	International Journal of Innovative Research in Science, Engineering and Technology
3.	An Efficient Ranking & prediction based KQI	S. Jayasundar	IT	International Journal of Advanced Trends in Engineering and Technology
4.	Efficient Tracking Mechanism on mobile network for moving groups via self governing safe region	S. Jayasundar	IT	International Journal of Advanced Trends in Engineering and Technology
5.	Efficient Tracking Mechanism on mobile network for moving groups via self governing safe region	A.GeorgeArokiaraj	IT	International Journal of Advanced Trends in Engineering and Technology
6.	An Improved Query Ranking and Hardness prediction Algorithm for Query Interfaces on Databases	S. Jayasundar	IT	Indian Journal of Public health Research &Development
7.	Audio Steganography: An approach towards secure Information Transmission System	S. Jayaprakash	CSE	International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST)
8.	Audio Steganography: An approach towards secure Information Transmission System	P.Mohanavalli	CSE	International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST)

9.	Best Effort Cloud Service for Ultra-low-Latency Guaranteed-rate Internet	S. Jayaprakash	CSE	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)
10.	Scalable Identity-Based Distributed Provable Data Possession in Multi-Cloud Storage	S. Jayaprakash	CSE	International Journal of Computer Science and Engineering Communications (IJCSEC)
11.	Orthogonal Approximation of DCT in video compressing using generalized algorithm	K.Solaiyammal	ECE	International Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT)
12.	Orthogonal Approximation of DCT in video compressing using generalized algorithm	A.Josephine Sugan Priya	ECE	International Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT)
13.	Orthogonal Approximation of DCT in video compressing using generalized algorithm	J.Sindhukavi	ECE	International Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT)
14.	Mathematical Tutorial System (MTS) Using Fuzzy Logic and Multi-Agent System	K.Gandhimathi	CSE	International Journal of Innovative Research in Engineering & Management (IJIREM)
15.	Mathematical Tutorial System (MTS) Using Fuzzy Logic and Multi-Agent System	Sr. J. Arockia Jaya	CSE	International Journal of Innovative Research in Engineering & Management (IJIREM)
16.	Mathematical Tutorial System (MTS) Using Fuzzy Logic and Multi-Agent System	M.Ponmathi	CSE	International Journal of Innovative Research in Engineering & Management (IJIREM)

17.	Mathematical Tutorial System (MTS) Using Fuzzy Logic and Multi-Agent System	A.Yogarani	EEE	International Journal of Innovative Research in Engineering & Management (IJIREM)
18.	A Fast Panorama Stitching Method of Image Sequence	Sr.A.Jenitta	ECE	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)
19.	Foot Injury Detection Using K-Means Clustering and Mean Shift Segmentation Algorithm	Sr.A.Jenitta	ECE	International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST)
20.	An Efficient Content-Based Medical Image Retrieval Using Local Vector Pattern	Sr.A.Jenitta	ECE	Asian Journal of Research in Social Sciences and Humanities



### PATENT PUBLICATION

S.No.	Name of the Faculty	Title of the invention	Publication Date
1	Mr. S. Jaya Prakash, ASP/CSE Mr. A. Joseph Selva Kumar, ASP/IT	Mobile simulator based on locating multiple GPS jammers using wireless Networked UAVS	31/07/2020
2.	Mr. S. Jaya Prakash, ASP/CSE Mr. A. Joseph Selva Kumar, ASP/IT Mrs. K. Gandhimathi, ASP/CSE	Smart city metering system using SIGFOX IoT platform approach	13/11/2020
3.	Dr. S. Jayasundar Professor/CSE	IoT and Block Chain-enabled smart E-Vehicle charging system	05/06/2020
4.	Dr.A.Praveena Professor/S&H	Improvement of In-Vitro Cytotoxicity on breast cancer cell lines by the Molecular encapsulation of amodiaquine with 2-hydroxypropyl-beta-cyclodextrin	04/09/2020
5.	Dr. Sr. A. Jenitta Professor/ECE	IoT based method and system for Rainwater Harvesting and storage by converting it to Drinkable water	Filed on 29/05/2021