

5.8.1. Academic Research (20)

A) Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc (15)

1. Publications (Plan period)	2017 -18	2016 - 17	2015 -16
i)Details of papers published in	33	20	22
ii) Details of papers Citation.	-	-	25
iii) Details of papers published in Other	2	-	-
iv) Books	-	1	-
Total journal Published	35	20	24

Details of Publication

S.No	Faculty Name	No. of Publications	Details of Citation	No. of Publications	Details of Citation	No. of Publications	Details of Citation	h-index
		2017-18		2016-17		2015-16		
1	Dr.R.Mahalakshmi	-	-	-	-	1	13	4
2	Dr.K.S .Chandragupta Mauryan	2	-	1	-	4	-	3
3	Dr. E. NandaKumar	4	-	3	-	3	12	3
4	Dr.R.Subramaniam	1	-	2	-	-	-	3
5	Dr.S.Vimalraj	-	-	-	-	1	-	-
6	Dr.R.Anand	-	-	3	-	2	-	2
7	Ms.V.S.Sanjana Devi	-	-	-	-	2	-	-
8	Dr.G.Sivagnanam	1	-	1	-	3	-	1
9	Dr.R.Ambika	-	-	2	-	2	-	2
10	Dr.R.L.Josephine	2	-	-	-	-	-	2
11	Mr.P.John Samuel	2	-	-	-	1	-	-
12	Mr.K.Vishnu Murthy	-	-	2	-	1	-	2
13	Ms.M.Divya Priyadharshini	1	-	-	-	-	-	-
14	Ms.S.Sriragavi	1	-	-	-	-	-	-
15	Ms.J.Priyadharshini	1	-	-	-	-	-	1
16	Mr.Hans John D'Cruz	2	-	-	-	-	-	-
17	Ms.Joys Nancy	-	-	1	-	1	-	-
18	Ms.K.Janani	2	-	-	-	-	-	-
19	Ms.S.Abirami	-	-	-	-	2	-	-
20	Ms.P.Kausalyadevi	2	-	-	-	1	-	-
21	Mr.R.Sathish Kumar	2	-	-	-	-	-	-

22	Ms.R.Divya	1	-	-	-	-	-	-
23	Ms.T.Dharanika	2	-	-	-	-	-	-
24	Ms.A.Little Judy	1	-	1	-	-	-	-
25	Mr.G.R.Kanagachidambaresan	-	-	2	-	-	-	4
26	Mr.S.Nagakumararaj	1	-	2	-	-	-	-
27	Mr.P.Ponmurugan	3	-	-	-	-	-	2
28	Mr.A.Praksah	3	-	-	-	-	-	1
29	Ms.A.Gayathri	-	-	-	-	-	-	1
30	Dr.S.Saravanan	-	-	-	-	-	-	4
31	Mr.T.Bharani Prakash	1						
		35	0	20	0	24	25	35

Details of Publication	2017 - 2018	2016 - 2017	2015 - 2016
No. of papers published in AU Annexure I	2	3	1
No. of papers published in Scopus	31	2	4
No. of papers published in UGC listed journals	1	-	1
Other journals	1	15	18
Total Publications	35	20	24

Academic Year: 2017 – 2018

S.No	Faculty Name	Paper Title	Journal	Month & Year of Publication	Page	Annexure I/ Scopus/ Referred
1	Dr.K.S.Chandragupta Mauryan	Reactive power optimization in a power system network through metaheuristic algorithms	Turkish Journal of Electrical Engineering & Computer Sciences	December 2017	4615 – 4623	Annexure I
2	Dr.R.Subramanian					
3	A.Prakash	Power Search Algorithm (PSA) for combined economic-emission dispatch problems considering value point effects in economic load dispatch	Turkish Journal of Electrical Engineering & Computer Sciences	December 2017	4647 – 4656	Annexure I
4	Dr.E.Nanda Kumar	Dam Gate Level Monitoring and Control over IoT	Journal of Advanced Research in Dynamical and Control Systems	August 2017	583 – 587	Scopus
5	Dr.G. Sivagnanam	Networking in the Phase of an Energy Efficient Metering System	Journal of Advanced Research in Dynamical and Control Systems	September 2017	296 – 301	Scopus
6	Dr.K.S.Chandragupta Mauryan					
7	Ms.M. DivyaPriyadharshini	Smart Controller Using IOT for Traffic Congestion Application	Journal of Advanced Research in Dynamical and Control Systems	September 2017	266 – 270	Scopus
8	Dr.R.L. Josephine					
9	Mr. Hans John D'cruz	A Typical Power Management Scheme for Smart GRID	Journal of Advanced Research in Dynamical and Control Systems	September 2017	17 – 22	Scopus
10	Ms.P. Kausalyadevi					
11	Ms.K. Janani	Intelligent Greenhouse Irrigation Using Non-Conventional Energy Sources	Journal of Advanced Research in Dynamical and Control Systems	September 2017	271 – 276	Scopus
12	Ms.T. Dharanika					
13	Mr.P. John Samuel	Design of Micro-Hydro Electric Power Plant and Energy Recovery from Condenser Outlet in Thermal Power Plant	Journal of Advanced Research in Dynamical and Control Systems	September 2017	277 – 285	Scopus
14	Ms.J. Priyadharshini					
15	Ms.A. Little Judy	Smart Home Automation and	Journal of Advanced	September	286 –	Scopus

16	Ms.R. Divya	Home Security System Using Arduino	Research in Dynamical and Control Systems	2017	290	
17	Ms.P. Kausalyadevi	Scheduler and Bluetooth Control of Home Appliances	Journal of Advanced Research in Dynamical and Control Systems	September 2017	23 – 28	Scopus
18	Mr.Hans John D'cruz					
19	Dr.E.Nanda Kumar	Participatory Ergonomics in Product Development for Improving Assembly Work in Compressor Industry	Journal of Advanced Research in Dynamical and Control Systems	September 2017	29 – 36	Scopus
20	Mr.R. Sathish Kumar	Steam Temperature Optimization Using Arduino Mega 2560 Microcontroller	Journal of Advanced Research in Dynamical and Control Systems	September 2017	291 – 295	Scopus
21	Mr.S. Nagakumararaj					
22	Dr.E. Nandakumar	Design and Development of Distributed Generation System Using Seven Level Inverter and PID Controller	Journal of Advanced Research in Dynamical and Control Systems	September 2017	302 – 308	Scopus
23	Ms.Sriragavi S	Impedance Source Inverter and Permanent Magnet Synchronous Generator for Variable Speed Wind Turbine	International Journal of Computer and Mathematical Sciences	September 2017	98-104	UGC
24	Mr.A. Prakash	Hybrid Optimization Approach to Economic Load Dispatch Problems- A comparative Study	International Research Journal of Engineering and Technology	December 2017	332	Referred
25	Mr.A. Prakash	Modelling of a Dual Source Hybrid (DSH) Converter for Solar powered Home System	International Journal of Pure and Applied Mathematics	Volume 118 No. 20, 2018	1999-2005	Scopus
26	Dr.E. Nandakumar	Power Transformer Protection Using ARM Microcontroller	International Journal of Pure and Applied Mathematics	Volume 118 No. 20, 2018	1903-1908	Scopus
27	Ms.K. Janani					
28	Ms.T. Dharanika					

29	Mr.P.John Samuel	Hybrid Automatic Dual Axis Solar Tracking System along with Wind Power	International Journal of Pure and Applied Mathematics	Volume 118 No. 20, 2018	2057-2061	Scopus
30	Mr.P.Ponmurugan	Advanced Real-Time monitoring system with encryption enabled billing	International Journal of Pure and Applied Mathematics	Volume 118 No. 20, 2018	1417-1422	Scopus
31	Mr.P.Ponmurugan	Smart Traffic Light Control using Image Processing with emergency alert.	International Journal of Pure and Applied Mathematics	Volume 118 No. 20, 2018	1431-1436	Scopus
32	Mr.P.Ponmurugan	Remote streamlined observing and control utilizing advanced mobile sensor stage	International Journal of Pure and Applied Mathematics	Volume 118 No. 20, 2018	1437-1444	Scopus
33	Dr.R.L. Josephine	IoT based Wireless Smart Home Automation System	International Journal of Pure and Applied Mathematics	Volume 118 No. 20, 2018	1767-1772	Scopus
34	Mr.R. Sathish Kumar	Recent Advances on AC PV Nine-Level Cascade Inverter	International Journal of Pure and Applied Mathematics	Volume 118 No. 20, 2018	1409-1415	Scopus
35	Mr. T.Bharani Prakash	Power Quality Improvements in a Zeta Converter for Brushless DC Motor Drives	International Journal of Pure and Applied Mathematics	Volume 118 No. 20, 2018	1781-1788	Scopus

Academic Year: 2016 – 2017

S.No	Faculty Name	Paper Title	Journal	Month & Year of Publication	Page	Annexure I/ Scopus/ Referred
1	Dr.E.Nanda Kumar	MPSO Based Solution For OPF problem Incorporating Various Facts Devices For IEEE Standard Bus System.	International Journal of Current Research	January 2017	45929-45935	Scopus
2	Mr.K. Vishnu Murthy	Wireless Motor Monitoring and Controlling Through Visible Light Communication (VLC)	SSRG International Journal Of Electrical and Electronics Engineering	March 2017	-	Referred
3	Mr.K. Vishnu Murthy	IOT based Underground Cable Fault Detector	International Journal of Mechanical Engineering and Technology	August 2017	-	Referred
4	Ms.Joysnancy	Interleaved Boost Converter Using A PWM Controller by Saqr for High Step up Equipment	SSRG International Journal Of Electrical and Electronics Engineering	March 2017	-	Referred
5	Dr.E.Nanda Kumar	Various PSO based algorithm for OPF problem incorporating various FACTS devices for IEEE standard Bus Systems	International Journal of Scientific And Research Publication	February 2017	-	Referred
6	Mr.S.Nagakumararaj	Find Pretend Biometric Mistreatment Image Quality Assessment for Spoofing Detection	Research Journal of Pharmaceutical, Biological and Chemical Sciences	March- April 2017	-	Scopus
7	Dr.S.Vimalraj	Hybrid ELAM Neural Network Approach for Reliability and Fault Analysis of Quantum-Dot Cellular Automata Circuits	Asian Journal of Information Technology	2016	504-517	Annexure I

8	Dr.R.Anand	Solar PV System for Energy Conservation Incorporating an MPPT based on Computational Intelligent Techniques Supplying Brushless DC Motor	Scientific Research Publishing	2016	1635-1652	Referred
9	Mr.G. Sivagnanam	An Efficient ITA Algorithm to Solve Economic Load Dispatch with Valve Point Loading Effects	International Journal of Printing, packaging and Allied Sciences	February 2017	-	Referred
10	Dr.K.S.Chandragupta Mauryan					
11	Dr.R.Subramanian					
12	Mr.G. Sivagnanam	Economic Load Dispatch	ResearchGate Publication	February 2017	-	Referred
13	Dr.R.Anand	Pelamis Wave Energy Converter	International Journal of Engineering Innovation and Technological Research	2016	-	Referred
14	Mr.S.Nagakumararaj	Low Power and Area Efficient Static Differential Sense Amplifier Shared Pulse Latch	International Journal of Innovation Research in Computer and Communication Engineering	November 2016	-	Referred
15	Dr.S.Vimal Raj					
16	Dr.R.Subramanian	Reference Control Excitation using PI and Fuzzy logic Controller for 3 level Shunt Active power Filter	International Journal of Printing, packaging and Allied sciences	December 2016	-	Annexure I
17	Dr.R.Subramanian	PSO based Reference Current Extraction in PI controller for three level shunt active power filter	International Journal of Printing, packaging and Allied sciences	December 2016		Annexure I
18	Dr.R.Ambika	Optimal Siting and Sizing of Multiple DG units for Enhancement of Voltage Profile	The Scientific World Journal	2016	-	Referred

		and Loss Minimization in Transmission System using nature inspired algorithm.				
19	Dr.R.Ambika	Fuzzy Logic Approach for power loss reduction with Renewable Energy Integration	Asian Journal of Research in Social Science and Humanities.	2016	-	Referred
20	Mr.G.R.Kanagachidambaresan	TA-FSFT Thermal Aware Fail Safe Fault Tolerant Algorithm for Wireless Body Sensor Network	Journal of Wireless personal Communication	October 2016	-	Referred

Academic Year: 2015 – 2016

S.No	Faculty Name	Paper Title	Journal	Month & Year of Publication	Page	Annexure I/ Scopus/ Referred
1.	Dr.K.S.Chandragupta Mauryan	Reactive power optimization in grid using imperialist competitive algorithm	International journal of advanced research in electrical, electronics and instrumentation engineering.	March 2015	-	Referred
2.	Dr.K.S.Chandragupta Mauryan	Spook robi	International journal of engineering research and applications.	November 2015	149-153	Referred
3.	Dr.K.S.Chandragupta Mauryan	Wireless health monitoring system using Labview	International journal of engineering and technical research.	March 2016	-	Referred
4.	Dr.K.S.Chandragupta Mauryan	Fault section estimation for optimization of distribution power system using SAIDI and CARTI formulation approach for optimization	International journal for advanced research in biology engineering science and technology.	March 2016	-	Referred
5.	Dr.E.Nanda Kumar	Optimal location and improvement of voltage stability by UPFC using genetic algorithm	Indian journal of science and technology.	June 2015	-	Scopus
6.	R. Mahalakshmi	Dynamic network event analysis for distributed attack detection in wireless sensor network	American scientific publishers	2015	-	Referred
7.	Mr.P. John Samuel	Digitization of speedometer incorporating arduino and tracing of location using GPS in railways	International journal of engineering research and application	March 2016	14 - 18	Referred

8.	Dr.E.Nanda Kumar	A novel approach to multiple objective OPF by a new parallel non dominated sorting genetic algorithm-II considering diverse constraints	ARPN journal of engineering and applied sciences	May 2016	-	Scopus
9.	Mr. R.Anand	A correlative study of perturb and observe technique and GA-RBF-NN method applying a brushless DC motor	Scientific research publishing	June 2016	-	Annexure I
10.	Mr. R.Anand	Solar PV system for energy conservation incorporating an MPPT based on computational intelligent techniques supplying brushless dc motor drive	Scientific research publishing	June 2016	-	Referred
11.	Ms.V. S. Sanjana Devi	Automotive crack detection for railway track using ultrasonic sensors	International journal of engineering technology and computer research	December 2016	34 - 37	Referred
12.	Ms.Joys Nancy	Implementing intelligent traffic control system for ambulance clearance and stolen vehicle detection	International conference on explorations and innovations in engineering and technology	2016	-	Referred
13.	Ms.P. Kausalya Devi	Mitigation of power quality problems in steel industry loads using DVR	International conference on explorations and innovations in engineering and technology	2016	-	Referred
14.	Ms.S. Abirami					
15.	Ms.S. Abirami	The transformerless single phase universal active power filter for harmonic and reactive power compensation	International conference on explorations and innovations in engineering and technology	2016	-	Referred
16.	Ms.V. S. Sanjana Devi	Power model analysis using variable rate clock network in CMOS processor	International conference on computing communication and networking technologies	July 2016	-	Referred
17.	Mr.G. Sivagnanam	An effective economic load dispatch methodology for power	Asian journal of research in social sciences and	September 2016	-	UGC Listed

		system using improved TANAN's algorithm	humanities			
18.	Mr.S. Vimal Raj	Implementation of soft computing technique for mitigation of AC ripples in hybrid power generation system	International journal of applied intelligent research	2015	10 - 15	Referred
19.	Mr.K. Vishnu Murthy	Reactive power compensation using STATCOM with PSO technique	International journal of applied engineering research	2015	-	Scopus
20.	Mr.G. Sivagnanam	Reactive power compensation in power transmission network using FACTS devices	International journal of applied engineering research	2015	-	Scopus
21.	Mr.G. Sivagnanam	Improvement of power quality using ultra capacitor-dynamic voltage restorer technique	International conference on explorations and innovations in engineering and technology	2016	-	Referred
22.	Dr.E.Nanda Kumar	Comparative Analysis of Nature inspired Algorithms Applied to Reactive Power Planning Studied	Indian Journal of Science and Technology	2015	445 - 453	Referred
23.	Ms.R.Ambika	Techno Economic Analysis of Photovoltaic/Wind based Hybrid System for a factory in Coimbatore using Homer	International journal of applied engineering research	2015	195 - 202	Referred
24.	Ms.R.Ambika					

B) Books Published

S.No	Book Title	Author	Publisher	ISBN No.
1.	Radio Frequency Identification based Library Management System	Ms.S.Asha Devi	Lambert Academic Publishing, Germany	978-3-659-69464-6

LIST OF PATENTS

S.No	Title of the patent	Author	Application No.	Status
1	Smart Parking Technology implemented with the use of IoT	Dr.K.S.Chandragupta Mauryan	2.01641E+11	Filed
2	Plant Disease Monitoring System	Mr.R.Sakthi		Filed
3	Latex Harvesting device for rubber trees avoiding latex spillage and ensuring higher yield	Dr.Kamaljit I.Lakhtaria Mr.G.R.Kanagachidambaresan Mrs.V.Mahima Dr.R.Maheswar	2.01721E+11	Published (12.05.2017)
4	Pervasive Smart Posture Recognition System using Neural Fuzzy approach	Mr.G.R.Kanagachidambaresan Mrs.V.Mahima Dr.R.Anand Dr.R.Maheswar Dr.K.S.Chandragupta Mauryan Dr.R.Udaya Kumar	2.01741E+11	Published (18.08.2017)
5	Polychromatic Light Emitting Diodes with Vacillating Wattage and Automated Smart Lamp	Dr.G.Sivagnanam Dr.K.S.Chandragupta Mauryan Dr.R.L.Josephine Mr.R.Sathish Kumar Ms.M.Divyapriyadharshini Ms.V.Manimegalai Dr.S.J.K.Jagadeesh Kumar	2.01741E+11	Published (05.01.2018)
6	Smart and Automatic Electricity Bill Generation System using IoT	Ms.G.Lavanya Dr.R.L.Josephine Dr.A.Dhayal Raj Mr.B.Gowtham Mr.M.Al Rizwan Khan Mr.R.Arun Bharathi Dr.C.Rani Dr.P.Ganesh Kumar Dr.S.J.K.Jagadeesh Kumar Dr.K.S.Chandragupta Mauryan Dr.A.J.Jameer Basha Ms.M.Divya Priyadharshini	2.01841E+11	Published (19.01.2018)
7	Security Based Smart Ledge	Dr.K.S.Chandragupta Mauryan Dr.E.Nanda Kumar Dr.S.Vimalraj	201841006861 A	Published (02.03.2018)
8	Spartan Annotator Kit to Persuade the Quality & engage the fundamental Operation of IC Package	Dr.K.S.Chandragupta Mauryan Dr.E.Nanda Kumar Dr.S.Vimalraj Mr.T.Bharani Prakash	201841006862 A	Published (02.03.2018)
9	IMPLEMENTATION OF SMART HOURGLASS	Dr.K.S.Chandragupta Mauryan	201841006864 A	Published (02.03.2018)

	USING ARDUINO BOARD	Dr.E.Nanda Kumar Dr.S.Vimalraj		
10	EYEWEAR DETECTOR WITH CLAP ON TECHNOLOGY	Mr.P.Ponmurugan Dr.R.Anand Dr.N.Rengarajan	2.01841E+11	Published (09.03.2018)

