

DEPARTMENT OF ELECTRONICS ENGINEERING, MIT CAMPUS, ANNA UNIVERSITY

Annual Report for the period 01.07.2016 to 30.06.2017

Name of the Department DEPARTMENT OF ELECTRONICS ENGINEERING
MIT CAMPUS, ANNA UNIVERSITY, CHENNAI – 600 044.

1. Detailed List of Professors, Associate Professors, Assistant Professors and their Ph. D. Specialization during the period 01.07.2016 to 30.06.2017

Sl. No.	Name of the Professor	Date of Super-annuation	E-Mail Address	Field of Specialization
1.	Dr. K. Bhoopathy Bagan Professor	30.06.2018	kbb_mit@annauniv.edu	Signal & Image Processing
2.	Dr. Mala John Professor	31.05.2025	malajohn@annauniv.edu	Image Processing & Pattern Recognition, Communication System
3.	Dr. M. Ganesh Madhan Professor	13.12.2032	mganesh@annauniv.edu	Optical Communication
4.	Dr. S. Indira Gandhi Associate Professor	31.05.2026	indira@mitindia.edu	Optical Communication and Networking
5.	Dr. P. Indumathi Associate Professor	30.06.2028	indu@mitindia.edu, indu@annauniv.edu	Communications and Networking
6.	Dr. M. Kannan Associate Professor	29.07.2026	mkannan@annauniv.edu	VLSI, Computer Architecture & Computer Networks
7.	Dr. M. Manikandan Associate Professor	30.06.2034	maniiz@annauniv.edu	Image Processing
8.	Dr.P.Prakash Associate Professor	30.06.2036	Prakashp_mit@annauniv.edu	Signal Processing
9.	Dr.P.T.V.Bhuvanewari Asst Professor (Sr.Gr.)	31.12.2035	ptvbmit@annauniv.edu	Wireless communication and networking, Wireless sensor networks
10.	Dr.D.Meganathan Asst. Professor (Sr.Gr.)	30.06.2034	Meganathan_phd@annauniv.edu	ADC Design, VLSI Architectures
11.	Dr.S.P.Joy Vasantha Rani Asst Professor (Sr.Gr.)	30.06.2032	joy_mit@annauniv.edu	VLSI, Computer Architecture and Neural & Fuzzy
12.	Dr.G.Kavitha Asst Professor (Sr.Gr.)	30.09.2039	kavithag_mit@annauniv.edu	Image processing
13.	Dr.S.Piramasubramanian Assistant Professor	31.05.2036	spirama@annauniv.edu	RF Engineering & RF Photonics and optical communication
14.	Dr.S.Vasuhi Assisant Professor	30.06.2034	vasuhi_s@annauniv.edu	Micro wave and Optical communication

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15.	Ms.G.Sumithra Assistant Professor	28.02.2041	gsumithra@annauniv.edu	Wireless Communication and Image processing
16.	Dr.T.Subashri Assistant Professor	31.07.2039	tsubashri@annauniv.edu	Networking, VoIP
17.	Mrs.C.Sridevi Assistant Professor	30.06.2040	sridevijegan@annauniv.edu	VLSI Signal Processing, Digital Image Processing
18.	Mrs.K.Mariammal Assistant Professor	30.04.2041	mariammal@annauniv.edu	VLSI for Multirate Signal Processing
19.	Mrs.C.Rimmya Assistant Professor	30.09.2039	rimmya@annauniv.edu	Communication Systems
20.	Mrs.A.Divya Assistant Professor	30.09.2048	arivalagandivya.25@gmail.com	Image Processing
21.	Mr.G.Balamurugan Assistant Professor	15.09.2043	balanmail12@gmail.com	Sensor Networks
22.	Dr.V.Sathiesh Kumar Assistant Professor	30.06.2044	satiesh@gmail.com	Opto Mechatronic System Design, Embedded Systems

ADDITIONAL RESPONSIBILITY

- * Dr. M. Ganesh Madhan
 - Professor-in-charge, Library, MIT Campus w.e.f. 09.07.2010
- * Dr. M. Kannan
 - Head_{IC}, Department of Electronics Engineering, MIT Campus w.e.f 11.06.2014
- * Dr. P. Indumathi
 - Chief Superintendent, UG End Semester Examinations (Nov. - Dec. 2017)
- * Dr. P. Prakash
 - Deputy Director, University Departments
 - TED_c of MIT, Staff In-charge
- * Dr. D. Meganathan
 - Deputy Warden, MIT Hostels w.e.f. 05.08.2014
- * Dr. G. Kavitha
 - President, Personality Development Association
- * Dr. S. Vasuhi
 - President, Electronics Engineers Association (2017 - 18)
 - Additional Chief Superintendent, UG End Semester Examinations (Nov. - Dec. 2017)
- * Dr. S. Piramasubramanian
 - Additional Chief Superintendent, UG End Semester Examinations (Nov. - Dec. 2017)

2. List of Degrees awarded during the period (01.07.2016 to 30.06.2017)

(i) M. Phil

Sl. No.	Title of the Thesis	Name of the Scholar	Name of the Supervisor	Month & Year
Not Applicable				

(b) M.E./ M.Tech. / M.Arch / M.Plan./ MBA / MCA

M. E. (Communication & Networking)

Sl.No	Title of the Thesis	Name of the Scholar	Guide Name	Month & Year of Viva-voce conducted
1	Resolution Enhancement In Video Using Super Interpolation Algorithm	R Suganya	Mrs. A. Divya	May 2017
2	Analysis of Nonlinear Distortion and Reduction in 1.3 μ m Transistor Laser	S V Vinodhini	Dr. S. Piramasubramanian	May 2017
3	Provisioning Ott Services Using Nfv And Sdn	B Nithiya	ALTEN CALSOFT LABS	May 2017
4	Secure Routing In Mobile Ad Hoc Networks	N Vaithyanathan	Dr.S.Indira Gandhi	May 2017
5	A Novel Spectrum Sensing Method For Random Arrivals Of Primary Users	Vishnu Priya V	Mrs.Vineetha Mathai	May 2017
6	Wireless Intrusion Detection System For Dos Attack And Malicious Access Point In IEEE 802.11 Networks	V Rajavel	Dr. T. Subashri	May 2017
7	A Noval Enhancement Of Spiral Antenna For 4g And 5g Applications	Sanchuna Muthuraj	Mr. J. Logeswaran	May 2017
8	Channel Estimation For Massive Mimo	G Sugantha	Dr. K. Bhoopathi Bagan	May 2017
9	Emulation Of Traffic Flow Over Dsl Line Using L1-L2 Protocols	J V Thirupthika	NOKIA INDIA PVT LTD	May 2017
10	Build Analytics – Made Simple	S Varshaa	NOKIA INDIA PVT LTD	May 2017
11	Performance Analysis in Coexistence of ZIGBEE with IEEE 802.11b in 2.4GHz ISM Band	A Manikandan	Dr.L.Rajesh	May 2017
12	Volterra Filter Trained By Glowworm Swarm Optimization Algorithm For Channel Equalization	Kolamala Suresh	Mrs.D.C.Diana	May 2017
13	Scalable Streaming Solutions Using Dockers	K M Manjubhashini	ALTEN CALSOFT LABS	May 2017
14	Design Of Planar Dipole Antenna For Healthcare	P Elamathi	Mr.J.Logeswaran	May 2017

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	Applications			
15	Cascaded Implementation Of Efficient Multi Rate Filter Using Halfband Fir Structures	A Geetha Lakshmi	Mrs.K.Mariamammal	May 2017
16	Hierarchical Iot Network Management And Cloud Computing To Make Healthcare Green	T Gokula Krishnan	Dr.M.Manikandan	May 2017
17	Data Protection Incident Management System	S Lokesh	HONEYWELL TECHNOLOGY SOLUTIONS	May 2017
18	Performance Analysis Of Different Odors Of Uwb Signal In Wireless Channel	C Mullai Kodi	Mrs.C.Rimmya	May 2017
19	Design Dual Polarised Dipole Antenna For 2g/3g/4g Base Station Applications	M Shalini	Dr.M.Ganesh Madhan	May 2017
20	Area Efficient Fft Processor Using Stochastic Computing	N Srilakshmi	Mr.E.Konguvel	May 2017
21	Frequency Domain Decision Feedback Equalization Using Pso Algorithm	K Suganthi	Mrs.D.C.Diana	May 2017
22	Chaos Based Frequency Hopping And Optimal Rate Adaptation Against Reactive Jamming	S Vaishnavi	Mr.G.Balamurugan	May 2017

M.E. (VLSI Design and Embedded Systems)

SI.No	Title of the Thesis	Name of the Scholar	Guide Name	Month & Year of Viva-voce conducted
1	Realization Of Constant Multiplier Architecture For Reconfigurable Fir Filter Design Using Vhbcse Algorithm	K.K.Aparna	Dr. M. Kannan	May 2017
2	Bist Implementation Of The Static Linearity Test Technique For Flash Adc.	S.Ashwini	Dr. S. P. Joy Vasantha Rani	May 2017
3	Development Of Netconfserver Using Libnetconf And Sysrepo	Betsy Rose Manuel	Alcatel lucent	May 2017
4	Automation Of Features Diagnosis For Automobile Instrument Cluster Using Computer Vision	M.Deepan Raj	Visteon	May 2017
5	Diagnostic Feature Automation And Diagnostic Tool For In-Vehicle Infotainment (IVI) System	M.Deepti Susan John	Visteon	May 2017
6	Design Of High Performance Fir Filter	J.Divya	Dr. M. Kannan	May 2017

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	Architecture For Fixed And Reconfigurable Application			
7	Hil Testing For Engine Software	R.Durga	Caterpillar	May 2017
8	Fpga Implementation For Text Extraction From Images	S.Gayathri	Mr. O. Vignesh	May 2017
9	Using Cnn And Lstm To Learn And Analyze Dslam Syslog Messages To Predict Anomalies	I.Gogul	Alcatel lucent	May 2017
10	Spotting Of Blood Clot In The Femoral Nerve Using Random Forest Classifier.	S.M.Janani	Mrs. C.Sridevi	May 2017
11	Fpga Implementation Of Adaptive Genetic Algorithm Processor For Noise Cancellation.	M.Jayashree	Dr. S. P. Joy Vasantha Rani	May 2017
12	Back Propagation Network And Support Vector Machine Based Brain Tumor Classification In Magnetic Resonance Image	J.Kaaviya	Dr. L. Rajesh	May 2017
13	Machine Learning Based Robotic Arm Control	E.Kamini	Dr. L.Rajesh	May 2017
14	Design Of Multiplier-Free Circuit For Image Compression Using 8-Point Dct	K.Karthikeyan	Dr. M. Manikandan	May 2017
15	Development Of Data Design Verification For Automobile Based Embedded System	R.Monisha	Visteon	May 2017
16	An Efficient Dsp Architecture Design In Fpga Using Loop Back Algorithm	J.Nazreen Fathima	Ms.K.Renugadevi	May 2017
17	Design And Analysis Of Automation In Vehicle Infotainment System Using Robot Framework	A.Pavithra	VISTEON	May 2017
18	Area Delay Efficient Implementation Of Carry Select Adder.	S.Prabha	Mrs.C.Sridevi	May 2017
19	Travelling Salesman Problem Using Artificial Bee Colony Algorithm	S.K.Pragadesh	Dr. M. Kannan	May 2017
20	Design Of Ultra-Low Power High Gain And High Bandwidth Quadruple Recycling Folded Cascode Ota	T.V.Prasula	Dr.D.Meganathan	May 2017
21	Analysis Of Optical And Electrical Pulses Using Transistor Laser	G.R.Prathisha	Dr.S.Piramasubramanian	May 2017
22	Ternary Multiplier Using Cntfet Technology	R.Praveen Kumar	Mr.N.Jagadeesh Kumar	May 2017
23	High Speed Vedic	A.Ramesh	Dr.M.Manikandan	May 2017

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	Multiplier Using Compressor For Image Processing			
24	Floating-Point Fused Multiply-Add Using Four-Term Dot Product Unit	B.Sambavi	Mrs.S.Alagu	May 2017
25	Implementation Of Speed Control System Based On Driver Assistance	P.Sasikala	Ms.K.Renugadevi	May 2017
26	Implementation Of Low Complexity Arithmetic Cosine Transform Architecture	P.Shamili	Dr.M.Kannan	May 2017
27	A Conflict Free Memory Access Scheme For Radix-N Fft Algorithm.	G.Thava Sandhiya	Mr.E.Konguvel	May 2017
28	Visualization Based Forensic Framework For Iot Devices.	T.Vaishali	Dr.T.Subashri	May 2017
29	Implementation Of Area Efficient Digital Serial Multiplier	A.Vimaleswari	Mrs.S.Alagu	May 2017

M.E. (Wireless Technologies)

Sl.No	Title of the Thesis	Name of the Scholar	Guide Name	Month & Year of Viva-voce conducted
1	Performance Analysis Of Routing Protocol For Heterogeneous Wireless Network	Alshahina V	Dr. S. Indira Gandhi	May 2017
2	Document Authentication And Private Message Sharing Using Qr Code Structure	Bavani B`	Mrs.A. Divya	May 2017
3	Integration of Open Source Wireless Stack for Automotive Invanet Standard	Bhanuchander U	Visteon Technical and Servicing Centre	May 2017
4	Design And Development Of Feed Network For Multibeam Base Station Antenna	Deeksha Singh	Amphenol Omnicomnect India Private Limited	May 2017
5	Bistable Laser Based Chaotic Optical Encryption System	Deepiha P	Mrs. C. Rimmya	May 2017
6	Msvm Algorithm Based Macular Edema Disc Segmentation	Dinesh V	Mr. O. Vignesh	May 2017
7	Detection Of Microcalcifications In Digital Mammograms Using Curvelet Fractal Texture Features	Divya M	Dr. G. Kavitha	May 2017
8	Iot Enabled Plant Soil Moisture Monitoring System Using Wireless	Ezhil Azhahi A M	Dr. P. T. V. Bhuvaneswari	May 2017

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	Sensor Network			
9	Biometric Security For Payment Transaction Using Uidai And Upi	Gayathri R	National Payments Corporation of India	May 2017
10	Driver Module Of Bldc Motor Control For Electronic Control Unit Of Power Train System	Jagadeesh S	Delphi Technical Center	May 2017
11	Analysis Of Rof System With Efficient Modulation Techniques	Karunya J	Dr. P. Prakash	May 2017
12	Performance Analysis Of Dispersion Compensation Schemes With Delay Line Filter	Kasthuri P	Dr. P. Prakash	May 2017
13	Improving Performance Of Ofdm Cognitive Radio	Kaveri V	Dr. P.Indumathi	May 2017
14	Non-Uniform Motion Robust Face Recognition And Haze Removal Algorithm Based On The TSF Model	Keerthana J	Dr. K. Bhoopathy Bagan	May 2017
15	Automated Test System Design (Multiple Output Selector) For Body Control Module	Minnu Anthrayose	Delphi Technical Center	May 2017
16	Pso Based Functional Link Artificial Neural Network For Channel Equalization	Muthu Mari M	Mrs.D.C.Diana	May 2017
17	Effect Of Optical Confinement Factor In The Distortion Characteristics Of Transistor Laser	Narmatha A P	Mrs.R.Ramya	May 2017
18	Pso Based Obstacle Detection For Indoor Cleaning Robot	Pavithra S	Dr. P. T. V. Bhuvaneswari	May 2017
19	Underwater Acoustic Channel Model For Moving Receiver	Prathesha K	Mrs.G.Sumithra	May 2017
20	Performance Analysis Of Free Space Optical Communication	Priyadarshini K	Dr.P.Prakash	May 2017
21	Polarized Modulation And Receivers For Wireless Communications	Puja N K	Dr.P.Indumathi	May 2017
22	High Gain And Compact Microstrip Patch Antenna For Uhf Applications	Ravichandran M	Mr.K.Veerappan	May 2017
23	Performance Analysis Of Transistor Laser In Digital Fiber Optic Cable Link	Safana Amala Yazhini A	Mrs.R.Ramya	May 2017
24	Robust Watermarking Algorithms For Monitoring And Information Embedding	Subhashini R	Dr.K.Bhoopathy Bagan	May 2017
25	Power Control Optimization In An Energy Harvesting Wireless Network	Subitha B	Dr.P.Indumathi	May 2017

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26	Modeling The Effects Of Reverberation In Shallow Underwater Acoustic Communication	Surya K	Mrs.G.Sumithra	May 2017
27	Analysis Of Mammogram For Classification Of Micro-Calcification	Swathi D R	Dr.G.Kavitha	May 2017
28	Design And Development Of Microstrip Patch Antenna Using Different Dielectric Materials	Vignesh R	Mr.V.Murugan	May 2017

(c) M. Sc. (2 years) / M. Sc. (5 years) programme

Sl. No.	Title of the Thesis	Name of the Scholar	Name of the Supervisor	Month & Year
Not Applicable				

3. Sponsored Research Projects during the period : (01.07.2016 to 30.06.2017)

Sl. No.	Name of the Project	Name of the Coordinator	Rs. in Lakhs	Sponsoring Agency
1.	Identification and ranking of mineral deposits under high pressure condition using Laser induced breakdown spectroscopy technique (01.09.2016 - 31.08.2019)	Dr. V. Sathiesh Kumar	46.00	Science & Engg., Research Board (SERB)
2.	Assessment of Cardiovascular disorders using Image Processing Techniques (21.02.2017 - 20.02.2020)	Dr. G. Kavitha	31.51	Science & Engg., Research Board (SERB)

4. Industrial Consultancy and Testing undertaken during the period:(01.07.2016 to 30.06.2017)

Sl. No.	Title of the Consultancy	Name of the Coordinator	Rs. In Lakhs	Sponsoring Agency
NIL				

5. Continuing Education Programmes

5.1 Training Programmes / Short-term courses and Workshop conducted during the period : (01.07.2016 to 30.06.2016)

Sl. No.	Title of the Programme	Duration	No. of Participants	Name of the Co-ordinator	Sponsoring Agency
1.	Cisco Certified Network Associate (Routing & Switching) - Module - 1 Networking Fundamentals	07 th to 30 th July 2016	19	Dr.M.Kannan, Head _{i/c} Dr.T.Subashri, Assistant Professor & Mr.K.R.Vimal, Sr.Technical Assistant	--
2.	Cisco Certified Network Associate (Routing & Switching) - Module - 1 Networking Fundamentals	11 th July to 21 st Sep. 2016	25	Dr.M.Kannan, Head _{i/c} Dr.T.Subashri, Assistant Professor & Mr.K.R.Vimal, Sr.Technical Assistant	--
3.	Cisco Certified Network Associate (Routing & Switching) - Module - 2 Routing & switching essential	06 th Aug. to 15 th Oct. 2016	25	Dr.M.Kannan, Head _{i/c} and Dr.T.Subashri, Assistant Professor & Mr.K.R.Vimal, Sr.Technical Assistant	--
4	Cisco Certified Network Associate (Routing & Switching) - Module - 2 Routing & switching essential	09 th Aug. to 20 th Oct. 2016	25	Dr.M.Kannan, Head _{i/c} Dr.T.Subashri, Assistant Professor & Mr.K.R.Vimal, Sr.Technical Assistant	--
5	Two Days Workshop on Internet of Things (IoT)	15 th and 16 th September 2016	40	Dr.M.Kannan, Head _{i/c} Dr.T.Subashri, Assistant Professor & Mrs. C. Sridevi Assistant Professor	Anna University
6	Two Days Workshop on Computational Intelligence Techniques	20 th and 21 st October 2016	40	Dr. G. Kavitha Asst. Professor (SG) & Mrs. C. Sridevi Asst. Professor	(Under DST PURSE Phase 2 Program)
7	Seven Days Faculty Development Training Programmes on CS6551 - Computer Networks	28 th Nov. 2016 to 04 th Dec. 2016	40	Dr. M. Kannan Head _{i/c} & Dr. T. Subashri Assistant Professor	Centre for Faculty Development Anna University
8	Two Days Hands-on Training on Image Processing, Computer Vision and Machine Learning"	27 th & 28 th Jan. 2017	53	Dr. M. Kannan Head _{i/c} & Dr. V. Sathiesh Kumar Assistant Professor	Anna University

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9	Two Week ISTE STTP on CMOS, Mixed Signal and Radio Frequency VLSI Design	26 th December to 04 th February 2017	40	Dr. D. Meganathan Assistant Professor (Sr. Gr.)	Indian Institute of Technology Kharagpur Under the National Mission on Education through ICT (MHRD)
10	Cisco Certified Network Associate (Routing & Switching) - Module - 2 Routing & switching essential	19.02.2017 - 28.03.2017	34	Dr.M.Kannan, Head _{i/c} Dr.T.Subashri, Assistant Professor & Mr.K.R.Vimal, Sr.Technical Assistant	--
11	Two Days Workshop on VLSI Design using Open Source EDA Tool - AARON	31 st March & 01 st April 2017	40	Dr. M. Kannan Head _{i/c} Mr. E. Konguvel Teaching Fellow	In association with Sanaris Technologies Bengaluru
12	UGC Sponsored Two Days Workshop on "Fundamentals and research challenges in 6LowPAN"	08 th and 09 th June 2017	45	Dr. M. Kannan Head _{i/c} Dr. P. T. V. Bhuvaneswari Asst. Professor (Sr.Gr.) & Mr. G. Balamurugan Asst. Professor	UGC-SAP DRS II

5.2 Training Programmes / Short-term courses attended by the Faculty members in other Institutions during the period : (01.07.2016 to 30.06.2017)

Sl. No.	Name and Designation of the Faculty Member	Month & Year	Name of the Continuing Education Programme/ Training Programme attended	Venue
1.	Dr. D. Meganathan Assistant Professor(Sr. Gr.)	19 th to 23 rd September 2016	One week ISTE short-term training programme (STTP) for coordinators on "CMOS, Mixed Signal and Radio Frequency VLSI Design"	IIT, Kharagpur Under the National Mission on Education through ICT (MHRD)
2.	Mr. E. Konguvel	14 th to 16 th Dec. 2016	Three Days Hands-on Training on "VLSI Design using Open Source EDA Tool - AARON" organized by DECE in association with M/s. Sanaris Technologies, Bengaluru	Velalar College of Engineering and Technology
3.	Dr. G. Kavitha Asst. Professor (Sr. Gr.)	06 th April 2017	One Day Invitation Workshop on "An Overview of Medical Device Regulations	Dept. of Applied Mechanics, IIT Madras

5.3 Conferences / Seminars / Symposia / Workshops conducted by the Department / Centre / Institute during the period (01.07.2016 to 30.06.2017)

Sl. No.	Name of the Conferences / Seminars / Symposium / Workshop	Duration	No. of Participants	Venue	Sponsoring Agency
1.	One Day seminar on Electromagnetic Modelling of Antenna and Wave Propagation	1 Day	59	MIT Campus	Technical Support by Silicon Microsystems, Bangalore and ALTAIR

6) Faculty Development :

6.1) Conferences / Seminars / Symposia / Workshops attended by the Faculty Members of Anna University at National Level during the period (01.07.2016 to 30.06.2017)

Sl. No.	Name of the Staff and Designation	Names of Conferences / Seminars / Symposia / Workshops	Date	Address of Organised Institute
1.	Dr. M. Ganesh Madhan Professor	ATCx INDIA 2016 HYPERWORKS	22 nd July 2016	Silicon Microsystems, Bengaluru
2.	Dr. Piramasubramanian Assistant Professor	ATCx INDIA 2016 HYPERWORKS	22 nd July 2016	Silicon Microsystems, Bengaluru
3.	Dr. V. Sathiesh Kumar Assistant Professor	Pre Conference tutorial on "Performance Optimization techniques for large multi core processors" co located with the Sixth International Conference on Advances in Computing and Communications (ICACC 2016)	06 th - 08 th September 2016	Rajagiri School of Engineering & Technology, Kochi, Kerala
4.	Dr. V. Sathiesh Kumar Assistant Professor	National Level Workshop on "Real Time Signal & Image Processing using Xilinx VIVADO System Generator and Simulation of Physical Layer in Communication	23 rd & 24 th September 2016	St. Joseph's Institute of Technology, Chennai
5.	Mrs. K. Mariammal Assistant Professor	Faculty Development Programme on "Student Evaluation and Question Paper Setting"	13 th - 15 th October 2016	National Institute of Technical Teachers Training & Research (MHRD)
6.	Mrs. K. Mariammal Assistant Professor	Two Days Workshop on Computational Intelligence Techniques	20 th & 21 st October 2016	Dept. of Electronics Engineering, MIT Campus
7	Mrs. S. Alagu Teaching Fellow	Two Days Workshop on Computational Intelligence Techniques	20 th & 21 st October 2016	Dept. of Electronics Engineering, MIT Campus
8	Dr. S. Piramasubramanian	FDTP on CS6551 - Computer Networks	28.11.2016 to 04.12.2016	Dept. of Electronics

	Asst. Professor			Engineering, MIT Campus
9	Mrs. C. Sridevi Asst. Professor	FDTP on CS6551 - Computer Networks	28.11.2016 to 04.12.2016	Dept. of Electronics Engineering
10	Mrs. K. Mariammal Asst. Professor	FDTP on CS6551 - Computer Networks	28.11.2016 to 04.12.2016	Dept. of Electronics Engineering
11	Mr. G. Balamurugan Asst. Professor	FDTP on CS6551 - Computer Networks	28.11.2016 to 04.12.2016	Dept. of Electronics Engineering
12	Dr. L. Rajesh Teaching Fellow	FDTP on CS6551 - Computer Networks	28.11.2016 to 04.12.2016	Dept. of Electronics Engineering
13	Mrs. S. Alagu Teaching Fellow	FDTP on CS6551 - Computer Networks	28.11.2016 to 04.12.2016	Dept. of Electronics Engineering
14	Mr. E. Konguvel Teaching Fellow	FDTP on CS6551 - Computer Networks	28.11.2016 to 04.12.2016	Dept. of Electronics Engineering
15	Mrs. K. Mariammal	Two-week ISTE STTP on CMOS, Mixed Signal and Radio Frequency VLSI Design IIT Kharagpur under the National Mission on Education through ICT (MHRD) Online activity 1 week and physical participation 30 th Jan. to 04 th Feb. 2017	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
16	S. Alagu	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
17	A. Divya	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
18	Dr. G. Kavitha	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
19	Mrs. C. Sridevi	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
20	A. Viji	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
21	L. Rajesh	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
22	E. Konguvel	- do -	26 th Dec. 2016 to	Dept. of Electronics

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			04 th Feb. 2017	Engineering
23	N. Jagadeesh Kumar	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
24	C. Rimmya	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
25	Dr. M. Kannan	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
26	Dr. P. T. V. Bhuvaneswari	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering
27	O. Vignesh	- do -	26 th Dec. 2016 to 04 th Feb. 2017	Dept. of Electronics Engineering

6.2) Conferences / Seminars / Symposia / Workshops attended by the Faculty Members of Anna University at Inter National Level during the period (01.07.2016 to 30.06.2017)

Sl. No.	Name of the faculty and Designation	Names of the country visited	Date	Name of Travel Grant used	Purpose / Programme
1.	Dr. M. Kannan Associate Professor	JAPAN	25 - 27 August 2016	CIA Fund	Presented a paper titled, "Design and Implementation of FFT architecture using DA based Radix-4 Butterfly elements" in the 2016 Asia Pacific Conference on Engineering and Applied Sciences (APCEAS-2016) at Tokyo, Japan
2.	Dr. Mala John Professor	USA	24 th to 27 th October 2016	CIA Fund	Presented papers titled, <ul style="list-style-type: none"> • Human Interaction Recognition through Deep Learning Network • Human Activity Recognition using Optical Flow based Feature Set In the 2016 IEEE International Carnahan (50 th) Conference on Security Technology (ICCST) held at Orlando, Florida USA.
3.	Dr. M. Kannan Associate Professor	Kuala Lumpur, Malaysia.	02 nd & 03 rd Jan. 2017	--	Presented a Paper titled, "Analysis of Timing and Frequency offset estimation of OFDM system using scaled precision model" in the 2nd International Conference on Recent Trends in Computer Science and Electronics, International Multi-topic Conference on Engineering and Science held at Kaula Lumpur, Malaysia.

6.3. Lectures delivered by the Anna University faculty members during the period (01.07.2016 to 30.06.2016)

Sl. No.	Name and Designation of the Faculty Member	Department of Faculty Members	Organized by the Institute with Address	Month & Year	Name of the Programme
1	Dr. V. Sathiesh Kumar Assistant Professor	Dept. of Electronics Engineering	Dept. of Electronics and Communication Engineering, St. Joseph Institute of Technology	24 th February 2017	Recent Trends in Embedded Systems
2	Dr. V. Sathiesh Kumar Assistant Professor	Dept. of Electronics Engineering	Dept. of Electronics and Communication Engineering, Anna University, Regional Centre, Coimbatore	03 rd & 04 th March 2017	Image Processing using Open CV
3	Dr. P. Indumathi Associate Professor	Dept. of Electronics Engineering	Dept. of Electronics and Communication Engineering, Velammal Engineering College, Ambattur - Red Hills Road, Surapet, Ch - 66	10 th March 2017	Communication Theory
4	Dr. V. Sathiesh Kumar Assistant Professor	Dept. of Electronics Engineering	Dept. of Electronics and Communication Engineering, Saveetha School of Engineering, Saveetha University Thandalam Chennai	21 st March 2017	Digital Image Processing in C
5	Dr. V. Sathiesh Kumar Assistant Professor	Dept. of Electronics Engineering	Dept. of Electronics and Telecommunication Engineering, Sathyabama University, Chennai - 600 119.	17 th to 19 th May 2017	National Workshop on Image Processing and Computer Vision
6	Dr. V. Sathiesh Kumar Assistant Professor	Dept. of Electronics Engineering	Dept. of Electronics and Communication Engg., Sri Venkateswara College of Engineering Sriperumbudur	Introduction to Embedded Computing 13.06.2017 FN	Seven Days FDTP on EC6703 - Embedded and Real Time Systems 13.06.2017 to 21.06.2017

6.4. Honours / Awards received from State / National / International bodies by the Faculty Members during the period (01.07.2016 to 30.06.2017)

Sl. No.	Name of the Faculty Member	Designation	Honours / Awards and Address	Name of the Institution
NIL				

7. Details of Visitors to the Departments during the period (01.07.2016 to 30.06.2017)

Sl. No.	Names of the Visitor	Full Address	Purpose of Visit	Date of Visit
1.	Dr. John Jose	Assistant Professor, Department of Computer Science & Engineering, IIT Guwahati	To deliver Pre conference tutorial on Architectural Optimizations for Performance Enhancement in Large Multicore Systems.	16.03.2017
2.	Dr. Jobin K Antony	Professor and Head, Department of Electronics and Communications, Rajagiri School of Engineering and Technology, Kerala	To deliver Pre conference tutorial on VLSI Design- Trends, Future and challenges	16.03.2017
3.	Dr. Srinivasan R,	Principal Consultant, Oracle Systems Limited, UAE	To deliver key note address on Signal Security in Mobile Networks	17.03.2017
4.	Dr T Asokan,	IIT Madras	To deliver key note address on Bilateral Teleoperation in Medical Robotics	17.03.2017
5.	Dr. I. A. Palani	IIT Indore	To deliver key note address on Shape memory alloy actuated optical fibre switches and other sensing applications	17.03.2017
6.	Dr. Anurag Mittal	IIT Madras	To deliver key note address on Deep Learning for Computer Vision Applications	17.03.2017
7.	Dr. Ganapathy Krishnamurthi	Dept. of Engineering Design, IIT Madras	Special Lecture on: Deep learning methods in image processing	20.10.2016
8.	Dr. Palaniappan Ramu	Dept. of Engineering Design IIT Madras	To deliver lecture on A soft computing perspective to Steganography	21.10.2016
9.	Dr. Jero	IIT Madras	To deliver lecture on Demo session on Wavelets and simple image steganography	21.10.2016
10.	Dr. G. Latha	Scientist "F", Head Ocean Acoustics & Modeling National Institute of Ocean Technology	To deliver lecture on Application of Soft computing techniques	21.10.2016
11.	Dr. A. Kavitha	HoD, Department of Biomedical Engg., SSN college	To deliver lecture on Computational intelligence in cognitive neuroscience	21.10.2016
12.	Dr. Anurag Mittal	Associate Professor, Department of Computer Science Engineering, IIT Madras	To deliver lecture on Recent research trends in the field of Computer Vision and Machine Learning	27.01.2017

8. New Equipment / Instruments purchased costing more than Rs. 1.00 lakh during the period (01.07.2016 to 30.06.2017)

Sl. No.	Name of the Equipment/ Instrument purchased	Features of Equipment / Instrument	Purchase Cost (Rs. in Lakh)
1.	20 KVA PWM 1GBT UPS With 12V-100AH SMF Batteries (30 Nos.) - 2 Nos.		5.96
2.	Pen & Interactive Touch Display	For smart class rooms	1.44
3.	Interactive class room facility with sensor display	For smart class rooms	1.03
4.	SDN Support Manageable Switch		1.48
5.	Acer i5 Laptop (5 Nos.)		2.20
6.	High Pressure Cell with 4 Quartz Windows including Compressor		1.88
7.	Spectrometer		2.48

9. Research Papers Presented in the National Conferences / Seminars / Symposiums / Workshops during the period (01.07.2016 to 30.06.2017)

Sl. No.	Title	Author's name	Name and Addresses of Venue	Month & Year
1.	Routing in IEEE 802.11 standard wireless network using game theoretic approach	L. Rajesh and B.Arthi	Presented in a National level conference on Routing in IEEE 802.11 standard wireless network using game theoretic approach , organised by National conference on Signal processing and communication, India	2016
2.	IN- Vehicle infotainment system diagnostic tool	Deepthi Susan John, V. Sathiesh Kumar, Prasath Ramalingam and Manikandan Murugesan	NCSCV'17, Anna University Regional Campus, Coimbatore	24-25th March 2017

10. Research Papers Presented in the International Conferences / Seminars / Symposiums / Workshops during the period (01.07.2016 to 30.06.2017)

Sl. No.	Name of the Conference & Title of the papers	Author's Name	Name of the Publisher	Month & Year
1	Human Interaction Recognition through Deep Learning Network	Mala John	IEEE International Carnahan (50 th) Conference on Security Technology (ICCST) held at Orlando, Florida USA.	2016
2	Human Activity Recognition using Optical Flow based Feature Set	Mala John	IEEE International Carnahan (50 th) Conference on Security Technology (ICCST) held at Orlando, Florida USA.	2016
3	Theoretical investigations on the thermal effects of VCSEL and its impact on the frequency response of Multimode fiber optic link	K.Murali Krishna and M.Ganesh Madhan	Souvenir - Intl conference on innovations in Electronics and communication Engg., (ICIECE – 2016), Gurunanak Institutions, Hyderabad., pp.39,ISBN 978-93-85100-62-8	July 8-9, 2016
4	A meandered transmission line based microstrip filter for multiband OFDM applications”	S.Vinoth kumar, S.Piramasubramanian, M.Ganesh Madhan	Souvenir - Intl conference on innovations in Electronics and communication Engineering (ICIECE – 2016), Gurunanak Institutions, Hyderabad., pp.13,ISBN 978-93-85100-62-8	July 8-9,2016
5	Circuit Modeling and simulation of Bimetallic cantilever for MEMS applications”	C.Kavitha and M.Ganesh Madhan	Proc. 3 rd Intl conference on Microelectronics, Circuits and Systems, Maulana Abul Kalam Azad University of Technology, Kolkata.ISBN 978-93-80813-45-5, pp.64-69.	July 9 – 10, 2016
6	Numerical simulation of Millimeter wave generation in a digital fiber optic link	V.Charan Teja and M.Ganesh Madhan	3 rd International Conference on Opto electronics and applied optics, OPTRONIX 2016, University of Engineering and Management, Kolkata	18 - 20 August, 2016
7	Distortion Analysis of 1.3 μm AlGaInAs/InP transistor laser	R.Ranjith, S.Piramasubramanian and M.Ganesh Madhan	3 rd International Conference on Opto electronics and applied optics, OPTRONIX 2016, University of Engineering and Management, Kolkata	18-20 August, 2016
8	Design and Implementation of FFT Architecture using DA based Radix-4 Butterfly Elements	M.Kannan, E.Konguvel & J.Madhumitha	Proc. of Asia Pacific Conference on Engineering and Applied Sciences (APCEAS – 2016), Tokyo, Japan, pp. 63-71	25 – 27 August, 2016

9	Joint Time Frequency Channel Estimation in MIMO-OFDM Using Firefly Heuristic	R.Meenakshi, and P.Indumathi	International Conference on Emerging Multidisciplinary Research and Computational Intelligence (ICEMRCI-2016), SRKR Engineering College, Andhra Pradesh	December 2016
10	Bit Error Rate Minimization using SLM Technique in TFFT OFDM for Mobile Large-Scale MIMO Systems	R.Meenakshi, and P.Indumathi	IEEE sponsored International Conference on Engineering and Technology (ICET), Karpagam College of Engineering, Coimbatore.	December 2016
11	IoT Based Real-Time Residential Energy Meter Monitoring System	S. Karthikeyan and P.T.V. Bhuvanewari	IEEE International conference on Trends in Industrial Measurements and Automation, Chennai.	6-8 January 2017
12	Detection of Hexavalent Chromium contamination in drinking water using water quality sensor	K. Sri Dhivya Krishnan and P.T.V. Bhuvanewari	IEEE International conference on Trends in Industrial Measurements and Automation, Chennai.	6-8 January 2017
13	Real Time Implementation of Hybrid Personal Tracking System for Anomaly Detection	Padmanabhan. R, Pavithran. R, Shanawaz Mohammad Rayyan and P.T.V. Bhuvanewari	IEEE International Conference on Advanced Computing, Chennai.	19-21 January 2017
14	A detailed simulation study of Radio over fiber link for Pico cell applications	S.Piramasubramaniam. M.Ganesh Madhan and M.Sharmila	Proc.Intl Conference of Advanced computing and communication systems (ICACCS-17), Sri Eshwar college of Engineering, Coimbatore. IEEE ISBN 978-1-5090-4558-7, pp.1331-1336	Jan 06-07, 2017
15	'Vehicle license plate recognition	K.B.Sathya, V.Vaidehi and G.Kavitha	9th International conference on Trends in industrial measurements and Automation, Department of Instrumentation Engineering, MIT Campus, Anna University, Chennai-44, pp.24.	6 th -8 th January 2017
16	A Comparative study of thermal performance in two VCSEL structures for high bit rate digital optical links	K.Murali Krishna and M.Ganesh Madhan	Proc Intl conference on signal processing, communication and networking (ICSCN-17), Anna University, MIT campus, IEEE ISBN 978-1-5090-4740-6/17. (Best paper Award)	March 16-18, 2017

17	Performance analysis of CSRZ – DQPSK modulator for RoF PON based wireless access,	C.Rimmya, M.Ganesh Madhan and Arshu Jabin	International Conference on Nextgen Electronic Technologies: Silicon to Software, VIT, Chennai. (Best Poster presentation Award)	23 – 25 March 2017
18	A modified L slot microstrip antenna with chamfered patch edges for UWB applications	Jemima Nissiyah G and M.Ganesh Madhan	International Conference on Nextgen Electronic Technologies: Silicon to Software, VIT, Chennai.	23 – 25 March 2017
19	Spectral Efficiency Analysis of Subcarrier and Link incorporation for Optimizing the Resource Allocation in 4G LTE Cellular Systems	S. Karthika and P.Indumathi	ICSCN 2017, MIT Campus, Anna University	March 2017
20	Spectrally Efficient Time – Frequency Training Multiple-Input-Multiple-Output Orthogonal Frequency Division Multiplexing	R.Meenakshi, and P.Indumathi	Journal of Computational and Theoretical Nanoscience- Vol. 14, 5046–5053	2017
21	Analysis of RPL Routing Protocol on Topology Control Mechanism	V. Gokilapriya and P.T.V. Bhuvaneshwari	IEEE 4th International Conference on Signal Processing, Communications and Networking, Chennai	16-18 March 2017
22	Performance Analysis of SPIHT Algorithm for Biomedical Image Transmission	B. Panjavarnam and P.T.V. Bhuvaneshwari	IEEE 4th International Conference on Signal Processing, Communications and Networking, Chennai	16-18 March 2017
23	Interdependency Analysis of angle of UE movement and Inter-Site-Distance on Configuration of Handover Control Parameter in LTE-A HetNets	A.Saraswathi Priyadarshini and P.T.V. Bhuvaneshwari	IEEE 4th International Conference on Signal Processing, Communications and Networking, Chennai	16-18 March 2017
24	'Segmentation and analysis of ventricles in schizophrenic MR brain images using optimal region based energy minimization framework'	M.Latha and G.Kavitha	4 th International conference on Signal Processing, Communications and networking, ICSCN 2017, MIT Campus, Chennai, India	March 16-18, 2017.
25	Design and Development of SoC based Residential Water Meter Monitoring System	V. Gokilapriya and P.T.V. Bhuvaneshwari	International Conference on Wireless Communications Signal Processing and Networking, Chennai	22-24 March 2017
26	Investigation on Handover Performance Analysis through Control Parameter Configuration in LTE-A HetNet	A. Saraswathi Priyadarshini and P.T.V. Bhuvaneshwari	International Conference on Wireless Communications Signal Processing and Networking, Chennai.	22-24 March 2017

27	Impact of Channel Variation on Throughput of Macro UE in Heterogeneous Network	S. Ezhilarasi and P.T.V. Bhuvaneshwari	International Conference on Wireless Communications Signal Processing and Networking, Chennai.	22-24 March 2017
28	Multiple Linear Regression Based Water Quality Parameter Modeling to Detect Hexavalent Chromium in Drinking Water	K. Sri Dhivya Krishnan and P.T.V. Bhuvaneshwari	International Conference on Wireless Communications Signal Processing and Networking, Chennai	22-24 March 2017
29	Dependency Analysis of Control Parameter Configuration on ISD and Random Mobility of UE in LTE-A Network	A. Saraswathi Priyadharshini and P.T.V. Bhuvaneshwari	International Conference on Nextgen Electronics Technologies: Silicon to Software, Chennai	23-25 March, 2017
30	Throughput Analysis of MacroUE for Varied Transmit Power of Small Cell in heterogeneous Network	S. Ezhilarasi and P.T.V. Bhuvaneshwari	International Conference on Nextgen Electronics Technologies: Silicon to Software, Chennai	23-25 March, 2017
31	Diagnosis of schizophrenia disorder using Wasserstein based active contour and texture features	M.Latha and G.Kavitha	International conference on NextGen Electronic Technologies: Silicon to Software" VIT University, Chennai, pp. 17 (Springer 2 nd Best paper award).	March 23-25, 2017
32	'Analysis of Myocardial Ischemia form Cardiac Magnetic Resonance images using adaptive fuzzy based multiphase level set'	M.Muthulakshmi and G.Kavitha	International conference on NextGen Electronic Technologies: Silicon to Software" VIT University, Chennai, 2017, pp. 15	March 23-25 2017
33	Handover Control Parameter Configuration in LTE-A Network	A. Saraswathi Priyadharshini and P.T.V. Bhuvaneshwari	International Conference on Innovations in Electronics, Signal Processing and Communication, Shillong	6-7 April 2017
34	PSO Based Obstacle Detection for Indoor Cleaning Robot	S. Pavithra and P.T.V. Bhuvaneshwari	IEEE Third International Conference on Sensing, Signal Processing and Security, Chennai.	2017
35	IoT Enabled Plant Soil Moisture Monitoring using Wireless Sensor Networks	A.M. Ezhilazhahi and P.T.V. Bhuvaneshwari	IEEE Third International Conference on Sensing, Signal Processing and Security, Chennai.	2017
36	Numerical analysis of bistability and chaos in bisection laser diode	P.Deepiha,C.Rimmya, S.Piramasubramanian and M.Ganesh Madhan	2 nd International Conference on Recent Trends in Engineering and Technology, St. Joseph's Institute of Technology, Chennai.117.	5 th and 6 th May 2017

37	IoT Enabled Waste Management System using Zigbee Network	S. Karthikeyan, G. Sheela Rani, M. Sridevi and P.T.V. Bhuvaneshwari	Bangalore	19-20 May 2017
38	QCA based FIR Serial multiplier using cut-set algorithm	K. Pandiammal and D.Meganathan	Proceedings of the 1 ^{7th} IEEE International Conference on Nanotechnology Pittsburgh, USA	July 25-28, 2017
39	A Novel design of low power and high speed hybrid multiplier	N.Jagadeeshkumar and D.Meganathan	Presented in a 14th International Conference on Signal Processing, Communications and Networking (ICSCN - 2017)	March 16 – 18, 2017.
40	Design and Simulation of Low power High gain and High Bandwidth Recycling Folded Cascode OTA	Prasula T V and D.Meganathan	Presented in a 14th International Conference on Signal Processing, Communications and Networking (ICSCN - 2017)	March 16 – 18, 2017
41	Design of Linear Ramp Generator for ADC	Jayashree M., Ranjith.C, S.P.Joy Vasantha Rani,	ICSCN -4th International Conference on Signal processing, Communication and Networking,	16-Mar-2017 to 18-Mar-2017.
42	A VLSI Implementation of an Adaptive Genetic Algorithm Processor	Ashwini, M.Senthil Sivakumar and S. P. Joy Vasantha Rani	ICSCN -4th International Conference on Signal processing, Communication and Networking,	16-Mar-2017 to 18-Mar-2017.
43	Diagnostic tool for IN-Vehicle infotainment system	Deepthi Susan John, V. Sathiesh Kumar, Prasath Ramalingam and Manikandan Murugesan	St. Joseph Institute of Technology	5-6th May 2017
44	Flower species recognition system using convolutional neural networks and transfer learning	I. Gogul and V. Sathiesh Kumar	ICSCN-2017, Department of Electronics Engineering, MIT, Chennai	16-18th March 2017
45	"Vision based feature diagnosis for automobile instrument cluster using machine learning"	M. Deepan Raj and V. Sathiesh Kumar	ICSCN-2017, Department of Electronics Engineering, MIT, Chennai.	16-18th March 2017
46	Static gesture recognition based precise positioning of 5-DOF robotic arm using FPGA	M. Deepan Raj, I. Gogul, M. Thangaraja and V. Sathiesh Kumar	TIMA-2017, Department of Instrumentation, MIT, Chennai	6-8th January 2017
47	Investigation of a ns-pulsed laser ablation rate on a Cu target at 1 atm	J. Sumathi and V. Sathiesh Kumar	NLS-25, KIIT University, Bhuvaneshwar	20-23rd December 2016
48	Electrostatic model to understand the	V. Sathiesh Kumar, Nilesh J.	ACED2016, IIT Madras	8-10 December

	influence of salt deposit in GFRP material during Lightning Discharges	Vasa and R. Sarathi		2016
49	Smart autonomous gardening rover with plant recognition using neural networks	V. Sathiesh Kumar, I. Gogul, M. Deepan Raj, S. K. Pragadesh and J. Sarath Kumar Sebastin	Procedia Computer Science (ICACC 2016), Vol. No. 93, pp. 975-981, 2016	6th to 8th September 2016
50	Robust watermarking algorithms for monitoring and Information Embedding	R. Subhashini, K. Bhoopathy Bagan	4 th International Conference on Signal Processing, Communications and Networking held at MIT Campus, Anna University	16 th to 18 th March 2017.
51	Performance analysis and characterization of 2D photonic crystals- an analytical approach	Minnu Anthrayose, T. Sridarshini and Dr. S Indira Gandhi	4 th International Conference on Signal Processing, Communications and Networking held at MIT Campus, Anna University	16 th to 18 th March 2017
52	Enhancement of Interpolation mechanism in large and scalable images	A.Ramesh, A.V.Karpagam, M.Manikandan	4 th International Conference on Signal Processing, Communications and Networking held at MIT Campus, Anna University	16 th to 18 th March 2017.
53	"Influence of binning in Histograms of Oriented Gradients method representation	K Karthikeyan , A V Karpagam, M Manikandan	4 th International Conference on Signal Processing, Communications and Networking held at MIT Campus, Anna University	16 th to 18 th March 2017.
54	Medical Image Processing to detect Breast Cancer - A Cognitive-based Investigation	Saranyaraj, M. Manikandan	4 th International Conference on Signal Processing, Communications and Networking held at MIT Campus, Anna University	16 th to 18 th March 2017.
55	Performance Analysis of Delay Line Filter Using X - Coupler and Delay Line IIR Filter	P. Kasthuri, P. Prakash	4 th International Conference on Signal Processing, Communications and Networking held at MIT Campus, Anna University	16 th to 18 th March 2017.
56	Analysis of WDM System using DCF	J. Karunya, P. Prakash	4 th International Conference on Signal Processing, Communications and Networking held at MIT Campus, Anna University	16 th to 18 th March 2017
57	Background Subtraction Algorithm and Image Skeletonization based Anomaly Event detection for Low Resolution Video	V. Murugan, V. R. Vijayakumar, S. Vijayaselvan	4 th International Conference on Signal Processing, Communications and Networking held at MIT Campus, Anna University	16 th to 18 th March 2017.
58	An Area Efficient High	Betsy Rose	Proc. of 4th IEEE	16 – 18

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	Speed Optimized FFT algorithm	Manuel, E. Konguvel & M. Kannan	International Conference on Signal Processing, Communications and Networking (ICSCN'17), Chennai	March, 2017.
59	" Design of Chaos Based Frequency Hopping Spread Spectrum without Pre-Shared Secret Key	S.Vaishnavi , Balamurugan G	IEEE International Conference on Telecommunication, Power Analysis and Computing Techniques-ICTPACT-2017, organized by Bharath University, Chennai, India	6 April - 8 April 2017.
60	Band-gap Analysis In Defectless Photonic Crystals	T. Sridarshini, S.Indira Gandhi	Accepted to be published in SPRINGER NATURE, LNEE is indexed in ISI Proceedings, EI-Compendex, SCOPUS, MetaPress. (ICNETS22017), International Conference on Nextgen Electronic Technologies - Silicon to Software, VIT Chennai Campus.	2017

11. Books / Journals published during the period (01.07.2016 to 30.06.2017)

a. Books Published

Sl. No.	Title	Author's name	Name of the Publisher	Year
	NIL			

b. Journals Published

Sl. No.	Name of the Title	Author's Name	Name of the Publisher	Month & Year
1	A Compact TRM Antenna with High Impedance Surface for SAR Reduction at 1800 MHz	A.Kamalaveni and M.Ganesh Madhan	International Journal of Electronics and Communications, AUE Elsevier, Germany, Volume 70, Issue 9, September 2016, Pages 1192–1198	2016
2	Effective energy efficient scheduling scheme with cancellation of interference in cellular system	Karthika S ,R.Raja Kumar, P Indumathi	Asian Journal of Information Technology, Vol. 15, 2016,no. 8, pp. 1297 – 1306.	2016
3	Performance Evaluation of Cyclic Prefix OFDM using MIMO	R.Meenakshi, P.Indumathi, R.RajaKumar	Middle-East Journal of Scientific Research,2016, pp.602-610.IF: 0.14 SCOP'US Indexed	2016
4	Design of Multiplexer Based 64-Bit SRAM using QCA	K. Pandiammal and D. Meganathan	Australian Journal of Basic and Applied Sciences, Vol-10, No.1 pp.207-213	2016
5	Area and speed efficient implementation of symmetric FIR digital filter through reduced, parallel LUT decomposed DA approach	Prasanna, SC & Joy Vasantha Rani, SP	Circuits and Systems, Scientific Research Publishing, Vol. 7, Issue 8, pp. 1379-1391	2016
6	Enhancement in Channel Equalization using Particle Swarm Optimization Techniques	D.C. Diana, S.P. Joy Vasantha Rani	Circuits and Systems, Scientific Research Publishing, Vol. 7, Issue 8, pp. 4071 - 4084	2016
7	A Game theoretical approach for an optimal resource allocation in decentralized network	L.Rajesh, K.Tamilarasan and K.Bhoopathy Bagan	Asian Journal of Information Technology, Vol. 15, Issue 9	2016
8	Repeated Cooperative game	L.Rajesh, K.Tamilarasan and	Asian Journal of Research in social	2016

	based Network Selection in heterogeneous Networks	K.Bhoopathy Bagan	sciences and Humanities , published by Asian Research Consortium, pp. 976-988	
9	An approach to detect Dolphin whistle from underwater sounds	G.Saranya, G.Sumithra and D.Meganathan	International Journal for trends in Engineering and Technology, Vol-14, No-1, pp-50-55	June-2016
10	A Block Based reversible Data Hiding Scheme for Digital Images Using Optimal Value Computation'	D. R. Denslin Brabin, J. Raja Paul Perinbam, D. Meganathan	Wireless personal communication, Springer, pp. 1-14	October 2016
11	An efficient Implementation of Reconfigurable Interpolation Root-Raised Cosine FIR filter for SDR Application	S.C.Prasanna, S.P.Joy Vasantha Rani	Sadhana - Indian Academy of Science, Vol.41, No.10, pp. 1189 - 1201	Oct.2016
12	A compact parasitic ring antenna for ISM band applications	A.Kamalaveni and M.Ganesh Madhan	Frequenz – Journal of RF Engineering and Telecommunications, Walter De Gruyter Publishing GmbH, Germany, Vol.70,pp.513-519.	Nov.2016
13	Q-Learning-Based Optimized Routing in Biomedical Wireless Sensor Networks'	Jose Anand, J. Raja Paul Perinbam & D. Meganathan	IETE Journal of Research, Taylor and Francis Article-12, pp-1-9	December 2016
14	Performance evaluation of simple CSRZ QDPSK transmitter configurations for 20 Gbps PON applications	C.Rimmya and M.Ganesh Madhan	Turkish Journal of Electrical and Computer Engineering, Scientific and Technological Research council of Turkey, Vol.25,pp.1263 -1277	2017
15	Joint Time Frequency Channel Estimation in MIMO- OFDM Using Firefly Heuristic	R.Meenakshi, and P.Indumathi	Research Journal of Biotechnology Special Issue, pp.242-251	January, 2017
16	Analysis of short pulse generation in gain lever laser diodes	S.Piramasubramanian and M.Ganesh Madhan	Journal of Nanoelectronics and opto electronics, American scientific publishing, Vol.12,No.2 pp.152 -157	Feb 2017
17	FPGA implementation of FFT architecture using Modified Radix-4 algorithm	M. Kannan, E. Konguvel, J. Madhumitha, M. Mohamed Kamil Ashiq & K. Abhishek,	Asian Journal of Research in Social Sciences and Humanities, 2249-7315, Vol. 7, No. 2, pp. 47 – 57	February 2017
18	An analysis of electro statically actuated	C.Kavitha and M.Ganesh Madhan	Journal of the Brazilian Society of Mechanical	March 2017

	micro vibrating structures incorporating squeezed film damping effect using an electrical equivalent circuit		sciences and Engineering, Springer publishing, Vol.39,Iss.3,pp.925-936	
19	Numerical Analysis of Extinction Ratio Improvement in Gain Lever Laser Diode	S.Piramasubramanian and M.Ganesh Madhan	Opto Electronics and Advanced Materials - Rapid Communications, INOE publishing, Romania, Vol.11 Iss. pp.285 - 288	5-6 May – June 2017
20	Achievement of Cascaded Multirate FIR Filter Structures With CSE and CSD	K. Mariammal, S.P.Joy Vasantha Rani, N.Krithikadevi	Journal of Electrical Engineering, Volume 17 No.2 pp:1-13. ISSN-1582-4594	June 2017
21	Petri Net based Reliable work flow framework for nephrology unit in hospital environment	P.T.V. Bhuvanewari and M. Amaliya Princy	International Journal on Recent and Innovation Trends in Computing and Communication, Vol. 5, Issue 7, pp. 858-864	2017
22	SoC Module for IoT based Smart Water monitoring	R. Padmanabhan, D. Elamukil and P.T.V. Bhuvanewari	International Journal on Recent and Innovation Trends in Computing and Communication, Vol. 5, Issue 7, pp. 865-870	2017
23	'Hermite transform and support vector machine based analysis of schizophrenia disorder in magnetic resonance brain images'	Latha M and Kavitha G	International Journal of Biomedical Engineering and Technology, Inderscience (accepted).	2017
24	Novel Cat Swarm Optimization to enhance channel Equalization	D.C. Diana, S.P. Joy Vasantha Rani	COMPEL - International journal of Computation and Mathematics in Electrical and Electronics Engineering, Vol.36, Issue. 1, pp. 350 - 363	2017
25	Analysis of cascaded multirate FIR filter structures with CSE and CSD	Mariammal.K, Joy Vasantha Rani SP, Krithikadevi N	Journal of Electrical Engineering, Vol.17, Edition.2, pp.93-105	2017
26	Performance Analysis of resource Allocation with successive group in Dense Femto cell Networks	Rajesh L, Bhoopathy Bagan K, K Tamilarasan,	International Journal on Recent and Innovation Trends in Computing and Communication, Vol. 5, Issue 5, pp. 666-672	2017

12. List of Achievements during the period 01.07.2016 to 30.06.2017

- The Competent Authority of National Board of Accreditation has approved Provisional Accreditation for a period of 3 Years from 2016 - 17 to 2018 - 19 valid upto 30.06.2019.