**Department of Electronics and Communication Engineering**

**Research Activity Report June 2015 – May 2016**

1. **Research activities of the faculty members:**

Number of faculty in the Department :45

Number of faculty with Ph D qualification :7

Number of faculty pursuing Ph D :14

A). Papers published by the faculty members in National and International Journals:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of Faculty** | **Title of the paper** | **Name of the Journal** | **Date** |
| 1 | **Muthukumar S**. and  HariHaran S | Adaptive Replacement and Insertion Policy for Last level Cache | Australian Journal of Basic and Applied Sciences,9(11),May 2015,pp804-810 | 2015 |
| 2 | **Muthukumar S**, AnirudhanSudarsan, Balakumaran Palanivel and Chandrasekar Rajasekar | A Dynamic Ratio based Cache Replacement Algorithm. | Australian Journal of Basic and Applied Sciences,9(11),May 2015,pp781-789 | 2015 |
| 3 | H. Umma Habiba | Compact F-shaped Mobile Antenna for Multiple Wireless Applications | Australian Journal of Basic and applied sciences,,Vol:10 ,No:1 , Jan 2016,pp 433-438 | 2016 |
| 4 | H. Umma Habiba | Compact HMSIW Mobile Antenna for WLAN Application | Australian Journal of Basic and applied sciences,,Vol:10 ,No:1 , Ian 2016,pp439-442 | 2016 |
| 5 | D.Menaka | Ensemble Classification of Urban Regions Using Hyperspectral Remote Sensed Scenes | Middle-East Journal of Scientific Research 24 (S1): 49-54, 2016 ISSN 1990-9233© IDOSI Publications | 2016 |
| 6 | D.Menaka | Desicion Tree Classification for Multiclass Analysis | International Journal on Innovations in Engineering Sciences and Technology (IJIEST) ,Vol 1,No1 | 2016 |
| 7 | **P.Jothilakshmi**, S.Raju | Implementation of Miniaturised single element coaxial continuous transverse stub antenna for microwave application | International Journal of Microwave and Optical Technology (IJMOT), Vol.10,No4,July 2015 | 2015 |
| 8 | **P.Jothilakshmi**, S.Raju | Design of Double Inclined Co-Axial Continuous Transverse Stub Antenna Array for Wireless Communication | International Journal of Microwave and Optical Technology (IJMOT)  Vol.10,No3, May 2015 | 2015 |
| 9 | **P. Jothilakshmi**, J. Bharanitharan, V. Ramkumar | Design Of Multilayer Aperture Coupled Stacked Microstrip Patch Antenna for WLAN Applications | ICTACT Journal on Communication Technology,Vol: 6,Issue:2 , June 2015 | 2015 |
| 10 | **P.Jothilakshmi**and V.Ramkumar, J. Bharanitharan and  M.Sai Srikar | Analysis of Different Wearable Textile Substrate Using Aperture Coupled Microstrip Patch Antenna for ISM Band” | International Journal of Applied Engineering Research , Vol:10 ,No:2 , 2015pp 5257-5269 | 2015 |
| 11 | **P.Jothilakshmi**, J. Bharanitharan, V. Ramkumar, C.Shyam and V.Sai Dushyanth Reddy, | Performance Enhancement And Implementation of Aperture Coupled Fractal Antenna For WIMAX and WLAN Application | International Journal of Applied Engineering Research,Vol:10 ,No:4 , 2015,pp11113-11131 | 2015 |
| 12 | R.Kousalya | Optimisation of square root carry select adder using carry Bypass adder | International Journal of applied Engineering Research,Vol:10 ,No:20 , 2015 pp | 2015 |
| 13 | R.Kousalya | Implementation of Binary Masking Algorithm for hearing impaired listeners with improved speech intelligence | International Journal of applied Engineering Research,Vol:10 ,No:20 , 2015 | 2015 |
| 14 | T.J.Jeyaprabha | Performance enhancement for wireless sensor networks using AODV routing protocol and clustering Techniques | International Journal of applied Engineering Research,Vol: 10,No:20 , 2015 | 2015 |
| 15 | T.J.Jeyaprabha | Efficient certificateness syncryption without pairing | International Journal of applied Engineering Research,Vol: 10,No:20 , 2015 | 2015 |
| 16 | Mervin k,Sarala B | Moving object recognition using background subtraction and image processing techniques in | International Journal of Scientific Engineering and Applied Science,Vol:1 ,Issue 8, Nov 2015 | 2015 |
| 17 | M.Udhaya and **D.Menaka** | Hyperspectral Image classification using SVM based wavelet transform and Fuzzy technique | International Journal of applied Engineering Research,Vol: 10,No:20 , 2015 | 2015 |
| 18 | S.P.Sivagnana subramanian | Implementation of image Registration through motion correction and segmentation to detect bladder cancer for MR crystography | International Journal of applied Engineering Research,Vol:10 ,No:9 , 2015 | 2015 |
| 19 | S.P.Sivagnana subramanian | Palmprint recognition for Biometric using orthogonal line ordinal measures through linear programming Formulation | International Journal of applied Engineering Research,Vol:10 ,No:9 , 2015 | 2015 |
| 20 | Vinay.M, Saikiran Bandaru, **H.Umma Habiba**, | Ambient RF-Power Harvesting Using Compact Multi-Band Rectenna Embedded With Triple Meander Slots | Advanced research in electrical and Electronics Engineering,,Vol:2 ,No:4 , March 2015 | 2015 |
| 21 | R.sreeja, **H.Umma Habiba**, L.K.Aishwaryaa, , M.H.Masood,Kayalvizhi | Reconfigurable Band pass Filter for Multiple Wireless Applications Using Zero Feed Technique | International Journal of Applied Engineering Research,,Vol:10 ,No:20 , 2015 | 2015 |
| 22 | L.K.Aishwaryaa, **H. Umma Habiba**, Muhammad Ibrahim | Power integrity analysis in PCB using EBG structures for high speed high frequency applications | International Journal of Applied Engineering Research,,Vol:10 ,No:21 , 2015 | 2015 |
| 23 | R.Sandhya, **H.Umma Habiba**, S.Senthil Rajan | Novel compact economic SIW bandpass filter topologies for UWB application | International Journal of Applied Engineering Research,,Vol:10 ,No:21 , 2015 | 2015 |
| 24 | R.Sandhya, **H. Umma Habiba**, M.H.Masood, S.Senthil Rajan. | SIW Filter Topologies for Multiple Wireless Applications | International Journal of Applied Engineering Research,,Vol:10 ,No:20 , 2015 | 2015 |
| 25 | R.Sreeja, **H.Umma Habiba**, J.Megala | Reconfigurable BPF Topologies Using Embedded SLCSR Resonator With Non-Linear Capacitive Coupling For Wireless Applications | International Journal of Applied Engineering Research,,Vol:10 ,No:21 , 2015 | 2015 |
| 26 | J.Megala, **H.Umma Habiba**, Mullai Kodi.C, K.Bhavya, M.Kirthika | A Compact Microstrip Bandpass Filter Using 31various Coupling To32pology For UWB Application | ARPN Journal of Engineering and Applied sciences,,Vol:10 ,No:8 , May 2015 | 2015 |
| 27 | A.E.Ramanujan, **H.Umma Habiba**, S.Revathy, R.Rukmangathan. | Compact F-shaped Mobile Antenna for Multiple Wireless Applications | Australian Journal of Basic and applied sciences,,Vol:10 ,No:1 , Jan 2016,pp 433-438 | 2015 |
| 28 | **H.Umma Habiba**, B.Deepthi, S.Aishwarya, M.Humaira, R.Hemapriya. | Compact UWB filter topologies using MMR and EBG | International Journal of Applied Engineering Research,,Vol:10 ,No:58 , 2015 | 2015 |
| 29 | S.Revathy, **H.Umma Habiba,** A.E.Ramanujan | Compact HMSIW Mobile Antenna for WLAN Application | Australian Journal of Basic and applied sciences,,Vol:10 ,No:1 , Ian 2016,pp439-442 | 2015 |
| 30 | R.Sreeja , **H.Umma Habiba**, L.K.Aishwaryaa, M.H.Masood,J.Megala. | Compact UWB filter using embedded SLCSR with good in band ripple rejection | International Journal of Applied Engineering Research,,Vol:10 ,No:20 , 2015 | 2015 |
| 31 | **Padmavathi G**, Shanmugavel S | Performance Analysis of Cooperative Spectrum Sensing Technique for Low SNR Regime over Fading Channels for Cognitive Radio Networks. | Indian Journal of Science and Technology, Vol. 8(16), July 2015. ISSN (Print) : 0974-6846. ISSN (Online) : 0974-564 | 2015 |
| 32 | **Padmavathi G**  Manju Iswariya C | Clustered Cooperative Spectrum  Sensing  with  Improved  Energy   Detection. | International Journal of  Applied Engineering  Research, Vol.10, No.20, pp 16649 – 16653 - Special Issue. Print ISSN 0973- 4562. Online ISSN 1087--1090 | 2015 |
| 33 | **Padmavathi G**  Nandhini M | Cyclostationary  Spectrum  Sensing  via Wireless Distributed Computing. | International Journal of  Applied Engineering  Research, Vol. 10, No. 20, pp 16484-16488 - Special Issue. Print ISSN 0973- 4562. Online ISSN 1087--1090 | 2015 |
| 34 | **Padmavathi G** P.L.Diana Joycy | ABSR based Cooperative Spectrum Sensing for Cognitive Radio Networks. | International Journal of  Applied Engineering  Research, Vol. 10, No.20,  pp 16427-16432 - Special Issue. Print ISSN 0973- 4562. Online ISSN 1087--1090 | 2015 |
| 35 | **Padmavathi G**  Aravind S | Migration To IPv6 By Tunneling Technique. | International Journal of  Applied Engineering  Research, Vol. 10, No.20,  pp 16427-16432 -   Special Issue. Print ISSN 0973- 4562. Online ISSN 1087--1090 | 2015 |
| 36 | G.Padmavathi | A Cross Layer Protocol Design Approach Between PHY and MAC layer for Cognitive Radio Networks | International Journal of Engineering Sciences & Research Technology Vol.4(12): December, 2015 ISSN: 2277-9655 | 2015 |
| 37 | **Padmavathi G**  Aravind S | Migration to IPV6 from IPv4 by TunnelingTechnique and Comparing by Latency | International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.58 (2015) | 2015 |
| 38 | M.H.Masood | WI-FI Module based Robotic Control using Android Communication | International Journal of Applied Engineering Research (ISSN 0973-4562) Vol 10 No 19, April 2015 | 2015 |
| 39 | K.Srividhya | Performance enhancement of super resolution by sparse weight (SRSW) method for medical images | International journal of applied engineering research,Vol:10 ,No:20 , 2015 | 2015 |
| 40 | K.Srividhya | Lossy compression of encrypted image using carrier image and wavelet | International journal of applied engineering research,Vol:10 ,No:20 , 2015 | 2015 |
| 41 | **R.Gayathri** and P.Ramamoorthy | Performance Evaluation of Maltimodal Multifeature authentication system using KNN classification | The scientific world Journal,Vol: 2015 October 2015pp 1-9 dx.doi.org/10.1155/2015/762341 | 2015 |
| 42 | **R.Gayathri** and M.Senthilkumar | Personal authentication using multifeature multispeactral  Palmprint traits | The scientific world Journal, Vol: 2015 May 2015 pp 1-11  dx.doi.org/10.1155/2015/861629 | 2015 |
| 43 | **R.Gayathri,** V.Saranya and S.Dhivya | A Novel Approach for Fusion of Panchromatic and Multispectral Image Through Neural Network”, | A ARPN Journal of Engineering and Applied Sciences,,Vol:10 ,No:14 , August 2015 | 2015 |
| 44 | **R.Gayathri**, S.Dhivya and V.Saranya | A Novel Personal Authentication Using Knuckle Multispectral Pattern”, | Ann ARPN Journal of Engineering and Applied Sciences ,Vol:10 ,No:14 , August 2015 | 2015 |
| 45 | **R. Gayathri,** L. Jayalakshmi, K. Mahalakshmi and K. S. Nevethitha | Multispectral Palmprint Recognition Using Ant Colony Optimization”, ARPN Journal of Engineering and Applied Sciences, Vol. 10, (14), 2015. | A ARPN Journal of Engineering and Applied Sciences ,Vol:10 ,No:14 , August 2015 | 2015 |
| 46 | S.malathi, **D.Menaka** | De noising and segmentation Multi Channel images in Parallel MRI | International journal of Science and Innovative Engineering and Technology ,Vol.2 ,May 2015 | 2015 |
| 47 | M.Manimaraboopathy, **G.A.Sathish Kumar,** K.Karthikumar | A Study of Wireless Sensors Networks with Self Monitoring | International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 9 (2015)pp7057-7062 | 2015 |
| 48 | B.Chandrakumari and **G.A.Sathish Kumar** | WIRELESS AUDITING AND OFFENDING BREACH USING BACKTRACK | International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.25 (2015) pp21450-21454 | 2015 |
| 49 | Ashok Kumar C U and  **Sathish Kumar G A** | Energy Efficient MAC Unit Vedic Multiplier Circuit using Reversible Logic Gates | International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.20 (2015)pp18337-18342 | 2015 |
| 50 | B.Chandrakumari and **G.A.Sathish Kumar** | Detection And Localization Of Vulnerability And Multiple Spoofing Attackers In 802.11 | International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.20 (2015) pp17077-17082 | 2015 |
| 51 | M.Manimaraboopathy, **G.A Sathish Kumar**, S.Natarajan & Dr.M.Anto Bennet | Hybrid RAM-TCAM mapping for high performance processor | Journal of Chemical and Pharmaceutical Sciences 891 JCPS Volume 8 Issue 4 October-December 2015  pp887-894 | 2015 |

B).Papers presented by the faculty members in National and International conferences/ symposiums/ workshops:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of Faculty** | **Title of the paper** | **Name of the Conference/ symposium/ workshop** | **National/**  **International** | **Year** |
| 1 | Mr.P.Muthukumaran | Dual Band Patch Hybrid Coupler | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14,March 2016. | International | 2016 |
| 2 | Mrs.K.Srividhya | Design And Analysis of MIMO Antenna for ISM Band Applications | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14,March 2016. | International | 2016 |
| 3 | Dr.P.Jothilakshmi | Design and Analysis of Square Patch Fractal Antenna for C Band Application | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14,March 2016. | International | 2016 |
| 4 | MrsD.Menaka | Ensemble Classification of Remote Sensed Images for Change Detection | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14,March 2016. | International | 2016 |
| 5 | Mr.S.Saravanan | Miniaturized Slotted Patch Antenna On X Band | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14,March 2016. | International | 2016 |
| 6 | Mr.Sivagnana Subramanian | Improving Image Analysis system for Detection of Skin Cancer with Dermoscopy Images | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14,March 2016. | International | 2016 |
| 7 | G.Padmavathi | A Cross Layer Design between MAC and Routing Protocols for Cognitive Radio Networks | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14,March 2016. | International | 2016 |
| 8 | Mrs.Kalyani | Multispectral Image Enhancement of Historical Document Images | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14,March 2016. | International | 2016 |
| 9 | Mrs.R.Kousalya | Speaker Identification Using MFCC and DTW Technique on the Enhanced Speech Signal in Noisy Environment | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14,March 2016. | International | 2016 |
| 10 | Dr.S.Swarna  Parvathi | Online Learning of Efficient Video Based Road Detection Using Probabilistic Neural  Network | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 11 | Mrs.K.Thaiyalnayaki | Resting State fmri Classification of Antisocial Personality Disorder Subjects using SVM | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 12 | M H Masood | Design of a Driver circuit for a 3 Pole Star Connected Sensorless Brushless | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 13 | Ms.S.Radhika | Design of Compact Multiband Slot Antenna for Wideband Applications | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 14 | Mr. S. SenthilRajan | Design and Analysis of Substrate Integrated Waveguide Wideband Filter For A Band Frequency Application | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 15 | Dr.H.UmmaHabiba | Compact Dual Band Antenna Using Bender Fork Resonator with DGS for Wireless Application | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 16 | Mr.Sivagnana Subramanian | A Performance Comparison of Various Machine Learning Methods on Diagnosing MCI and AD using Multimodal Neuroimaging. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 17 | Dr.H.UmmaHabiba | Compact HMSIW Mobile Antenna for WLAN Application | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 18 | G.Padmavathi | Performance Evaluation of Spectrum Sensing in Cognitive Radio Network | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 19 | Mr.S.SenthilRajan | Design and Analysis of Microstrip Patch Dual Bandpass Filter | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 20 | Dr.P.Jothilakshmi | Design and Analysis of Multiband Stacked Microstrip Antenna for RFID and RADAR Systems | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 21 | Mr.S.Saravanan | Design of Partially Reflective Surface Antenna for Wireless Application | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 22 | Mrs.K.Srividhya | A 2 X 2 MIMO Antenna Loaded with CSRR for ISM Band Applications | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 23 | SR Balasubramanian | A Review Paper On PAPR in OFDM Systems | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 24 | Mr.P.Muthukumaran | Design and Implementation of Hairpin Bandpass Filter | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 25 | Mrs.D.Menaka | Identification of Overlapped Region of Chromosome and its Seperation for Karyotyping | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 26 | Ms.M.Anushya | Design of Power Efficient 2-4 Decoder for ROM Memories. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 27 | Mr.M.H. Masood | Design and Implementation of Low Power Embedded System for Wireless Communication for Autonomous System | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 28 | Dr.R.Gayathri | Multi Feature Human Authentication Using Score Level Fusion of Ear and Helix | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 29 | Ms.B.Sarala | FPGA Based Photovoltaic Efficient Energy Management with Reversible Off-The-Grid Power Supply | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 30 | Ms.L.Anju. | Efficient Audio Retrieval Using Supervised Learning Techniques | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 31 | Dr.R.Gayathri | Online Palmprint Authentication Using Multifeature Fusion. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 32 | Dr.G.A. Sathish Kumar | Design and Implementation of ALU Chip Using D3L Logic and Vedic Mathematics | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 33 | Ms.B.Sarala | An Reliable Low Power Multiplier Design Using ANT Architecture. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 34 | Ms.S.Radhika | An Efficient Heading Control of Underwater Vehicle Using FPGA Based Real Time Controller (cRIO) and LabVIEW. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 35 | Ms.S.R.Malathi | An Improved Vessel Segmentation Technique for Detecting Microaneurysms. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 36 | Ms.M.Anushya | Design of Power Efficient 2-4 Decoder for ROM Memories. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 37 | Ms.R.Kousalya | An Efficient Constant Multiplier Architecture for Reconfigurable FIR Filter Synthesis. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 38 | Dr.G.A. Sathish Kumar | Approximate Multiplier for Low Power Applications. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 39 | Ms.S.Kalyani | Design of Power Efficient 2-4 Decoder for ROM Memories. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |
| 40 | Mr.M.Athappan | Design of High Speed FIR Filter. | International Journal of Engineering Research & Technology (IJERT) Vol, Issue 14, March 2016. | International | 2016 |

C). National and International Conferences/ symposiums/ workshops attended by the Faculty members:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Name of Faculty** | **Name of the Conference/ symposium/ workshop** | **Place** | **National/**  **International** | **Date** |
|  | Dr.S.Ganesh Vaidyanathan | Principal and Professor | Hands on training on soft computing using MATLAB | MIT campus,Anna University | 09/10/2015  To  11/10/2015 |
|  | Mrs.G.Padmavathi | Professor | Workshop on wireless sensor networks-a cognitive perspective using NETSIM  Two days workshop on next generation RF and wireless technologies for rural India | IETE students chapter and ECE dept,PSG college of Technology  IITDM,Kancheepuram | 22/08/2015  04/06/2015  05/06/2015 |
|  | Dr.H. Umma Habiba | Professor | Delivered a lecture in the topic: Transmission line theory and Smith chart problems.  Delivered a lecture in the topic: RF amplifier design and matching networks  Delivered a lecture titled Transmission lines and waveguides | St Joseph college of Engineering  St Joseph college of Engineering  Velammal Engineering college | 31/07/2015  13/08/2015  07/09/2015 |
|  | Dr..R.Gayathri | Associate Professor | Two days workshop on advancements in biomedical signal and image processing  Delivered a lecture on Optical communication networks on | MIT campus, Anna University  Loyola Institute of Technology | 29/10/2015  30/10/2015  25/09/2015 |
|  | Ms.S.RMalathy | Associate Professor | FIve days FDP in information security education and awareness | IIT,Chennai | 14/12/2015  To 18/12/2015 |
|  | Mrs.T.J.Jeyaprabha | Assistant Professor | IEEE authorship workshop:How to publish a technical paper with IEEE | IIT,Chennai | 20/08/2015 |
|  | Ms.K.Srividhya | Assistant Professor | Author workshop | Springer and Anna University, Chennai | 02/09/2015 |
|  | Mr.S.Senthil Rajan | Assistant Professor | Workshop on microwave integrated circuit design for S band based 4G wireless communications | SRM University | 17/07/2015 |
|  | Mr.S.P.Sivagnana  Subramanian | Assistant Professor | Two days workshop on advancements in biomedical signal and image processing | MIT campus, Anna University | 29/10/2015  30/10/2015 |
|  | Ms.S.Kalyani | Assistant Professor | Two days workshop on embedded systems using ARM controller | REC,Chennai | 29/12/2015  30/12/2015 |
|  | Mr.M.Athappan | Assistant Professor | One day IEEE author workshop on How to publish a technical paper with IEEE | IIT,Chennai | 20/08/2015 |
|  | Ms.B.Sarala | Assistant Professor | Deliverd lecture on signals and systems | Loyola Institute of technology | 25/09/2015 |
|  | Ms.M.Anushya | Assistant Professor | Two days workshop on embedded systems using ARM controller | REC,Chennai | 29/12/2015  30/12/2015 |
|  | Ms.M.Vidya | Assistant Professor | Two days workshop on embedded systems using ARM controller | REC,Chennai | 29/12/2015  30/12/2015 |
|  | Mr.M.K.Varadarajan | Assistant Professor | Two days workshop on embedded systems using ARM controller | REC,Chennai | 29/12/2015  30/12/2015 |
|  | Ms.Rajeswari Ramaraj | Assistant Professor | UGC sponsored short term course on new materials their characterisation and applications | Anna University | 13/10/2015  14/10/2015 |
|  | Mr.M.H.Masood | Assistant Professor | UGC sponsored short term course on new materials their characterisation and applications. | Anna University | 13/10/2015  14/10/2015 |
|  | Ms.S.Nandhini | Assistant Professor | Building embedded systems with ARM cortex MMCUs | Saveetha Engineering college | 29/10/2015  30/10/2015 |
|  | Ms.S.Sahana | Assistant Professor | FDP on building embedded systems with ARM cortex M MCU’s | Saveetha Engineering College | 29/10/2015  30/10/2015 |
|  | Ms.S.Nithya | Assistant Professor | Hands on training on soft computing using MATLAB | MIT campus,Anna University | 09/10/2015  To  11/10/2015 |
|  | Ms.S.Sangeethapriya | Assistant Professor | FDP on building embedded systems with ARM cortex M MCU’s | Saveetha Engineering College | 29/10/2015  30/10/2015 |
|  | Mr.P.Arul | Assistant Professor | Workshop on embedded system  FDTP on Electromagnetic fields | Pallavan college of Engineering  Rajalakshmi  Engineering college | 25/07/2015  10/12/2015  To  16/12/2015 |
|  | Mr.G.Loganathan | Assistant Professor | FDP on EC6602 antenna wave and propagation. | SSN college of Engineering | 30/11/2015-  7/12/2015 |

**2) Departmental research activities:**

A). Symposium, Conferences, Workshop and Guest lecturers Conducted:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of the Event** | **Place** | **Period** | **Funding Agency** | **National/**  **International** | **Convener and Faculty In charge** |
| 1 | Workshop on Recent Trends in Embedded Systems | SVCE | 10.3.2016 &11.03.2016 | SVCE | National | Dr.S.Muthukumar & Dr.G.A.Sathish Kumar |
| 2 | Advances in Image Processing & its Applications | SVCE | 18.03.2016 &19.03.2016 | SVCE | National | Dr.S.Muthukumar & Dr.R.Gayathri |
| 3 | National Conference on “Signal Processing and Communication Engineering” | SVCE | 23.03.2016 &24.03.2016 | SVCE | National | Dr.S.Muthukumar & Dr.G.A.Sathish Kumar |
| 4 | One day workshop on “Hands-on Training using MATLAB” | SVCE | 01.04.2016 | SVCE | National | Dr.S.Muthukumar& Ms.L.Anju |
| 5 | A one day Workshop on “Audio and Image Signal Processing using MATLAB | SVCE | 25.04.2016 | SVCE | National | Dr.S.Muthukumar&  Ms.L.Anju |
| 6 | Simulation of Antenna Array, EMI/EMC Protocol Modeling using Xfdtd & Netsim | SVCE | 6.05.2016 | SVCE | National | Dr.S.Muthukumar & Dr.Umma Habiba |

B) Ongoing funded projects in the Department:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S. No. | Name of the Project | Funding Agency | Period &  Amount Sanctioned | Coordinators | Status of the project |
|  |  |  |  |  |  |

C). Projects submitted to Funding Agencies by the Department:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of the Project** | **Funding Agency** | **Period &**  **Amount applied** | **Coordinators** |
| 1 | Design and Development of Temporal Signal Processing for addressing issues in Urban Traffic Conditions | AICTE-RPS | Rs.9,56,000 | Dr.S.Ganesh Vaidyanathan |
| 2 | Design and Development of High Speed VLSI Arithmetic Circuits for Signal Processing and Security Applications. | ISRO –SAC Ahmadabad | Rs.12,83,680 | Dr.G.A.Sathish Kumar& Mr.M.Athappan. |

D). Research centre status of the department: Renewed up to **December 2017**

**3) Student Research Activities:**

1. A). List of projects carried out by the students in the department as in house and Industrial project:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S. No. | Name of Student | Title of the Project | Inherent project maker | In house | Industry |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

B). Research Publications by students in National and International Journal:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of Student** | **Title of the paper** | **Journal Name** | **Date** |
| 1 | P.Abinaya | Dual Band Patch Hybrid Coupler | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 2 | R.Abirami | Design And Analysis of MIMO Antenna for ISM Band Applications | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 3 | A.Arunkumar | Design and Analysis of Square Patch Fractal Antenna for C Band Application | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 4 | A.Arunkumar | Design and Analysis of Circular Patch Fractal Antenna for RADAR Application | ST Joseph Institute of Technology | 29.03.2016 |
| 5 | S.Deepan | Ensemble Classification of Remote Sensed Images for Change Detection | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 6 | S.Deepan | Ensemble Classification of Urban Regions Using Hyperspectral Remote Sensed Scenes | ST Joseph Institute of Technology | 29.03.2016 |
| 7 | S.JananiJayasree | Miniaturized Slotted Patch Antenna On X Band | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 8 | P.Kavimathi | Improving Image Analysis system for Detection of Skin Cancer with Dermoscopy Images | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 9 | K.Kavyalakshmi | A Cross Layer Design between MAC and Routing Protocols for Cognitive Radio Networks | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 10 | R.Kiruthika | Multispectral Image Enhancement of Historical Document Images | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 11 | S.Malini | Speaker Identification Using MFCC and DTW Technique on the Enhanced Speech Signal in Noisy Environment | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 12 | R.Nandhini | Online Learning of Efficient Video Based Road Detection Using Probabilistic Neural  Network | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 13 | R.Nandhini | Online Learning of Efficient Video Based Road Detection Using Linear Regression Classifier | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 14 | K.Nirmala | Resting State fmri Classification of Antisocial Personality Disorder Subjects using SVM | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 15 | S.R.Prabhakaran | Design of a Driver circuit for a 3 Pole Star Connected Sensorless Brushless | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 16 | R.Ramya | A Performance Comparison of Various Machine Learning Methods on Diagnosing MCI and AD using Multimodal Neuroimaging | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 17 | S.Priya | Design of Compact Multiband Slot Antenna for Wideband Applications | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 18 | K.Radhika | Design and Analysis of Substrate Integrated Waveguide Wideband Filter For A Band Frequency Applicatio | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 19 | A.E.Ramanujan | Compact Dual Band Antenna Using Bender Fork Resonator with DGS for Wireless Application | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 20 | A.E.Ramanujan | Compact F – Shaped Mobile Antenna for Multiple Wireless Application | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 21 | S.Revathy | Compact HMSIW Mobile Antenna for WLAN Application | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 22 | S.Revathy | CPW Fed HMSIW Slot Antenna for WPT | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 23 | M.Rubini | Performance Evaluation of Spectrum Sensing in Cognitive Radio Network | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 24 | R.Rukmangathan | Design and Analysis of Microstrip Patch Dual Bandpass Filter | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 25 | K.Shahida Salma | Design and Analysis of Multiband Stacked Microstrip Antenna for RFID and RADAR Systems | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 26 | R.Srividhya | Design of Partially Reflective Surface Antenna for Wireless Application | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 27 | R.Srividhya | A Compact Dual Band Partially Reflective Surface Antenna for X Band and WLAN Applications | Karunya University | 5.03.2016 |
| 28 | R.Srividhya | A compact Multiband partially Reflective Surface Antenna for X Band and WLAN Applications | IEEE digital Library and IEEE semiconductor Devices |  |
| 29 | K.Subhasri | A 2 X 2 MIMO Antenna Loaded with CSRR for ISM Band Applications | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 30 | S.Suganthi | A Review Paper On PAPR in OFDM Systems | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 31 | S.Suganthi | An Optimized OFDM System with Reduced PAPR | Velammal Engineering College | 24.03.2016 |
| 32 | S.A.Vijayalakshmi | Design and Implementation of Hairpin Bandpass Filter | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 33 | A.VishnuPriyesh | Identification of Overlapped Region of Chromosome and its Seperation for Karyotyping | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 34 | T.Abirami | Design of Power Efficient 2-4 Decoder for ROM Memories. | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 23.03.2016 |
| 35 | G.Anusha | Design and Implementation of Low Power Embedded System for Wireless Communication for Autonomous System | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 36 | S.Bhuvaneshwari | Multi Feature Human Authentication Using Score Level Fusion of Ear and Helix | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 23.03.2016 |
| 37 | K.Elango | FPGA Based Photovoltaic Efficient Energy Management with Reversible Off-The-Grid Power Supply | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 38 | T.Kesavan Namboothiri | Efficient Audio Retrieval Using Supervised Learning Techniques | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 39 | A.Mariyaprincy | Online Palmprint Authentication Using Multifeature Fusion | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 23.03.2016 |
| 40 | S.Mohanarangan | Design and Implementation of ALU Chip Using D3L Logic and Vedic Mathematics | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 41 | A.Ramalakshmi | An Reliable Low Power Multiplier Design Using ANT Architecture. | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 42 | N.Revathi | An Efficient Heading Control of Underwater Vehicle Using FPGA Based Real Time Controller (cRIO) and LabVIEW. | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 43 | B.Sakthi Priya | An Improved Vessel Segmentation Technique for Detecting Microaneurysms. | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 23.03.2016 |
| 44 | A.Sangeetha | Design of Power Efficient 2-4 Decoder for ROM Memories. | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 23.03.2016 |
| 45 | R.Srinath | An Efficient Constant Multiplier Architecture for Reconfigurable FIR Filter Synthesis. | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 46 | A.Vigneshwar | Approximate Multiplier for Low Power Applications. | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |
| 47 | R.S.Vijaya Shanthi | Design of Power Efficient 2-4 Decoder for ROM Memories. | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 23.03.2016 |
| 48 | R.V.Vimala | Design of High Speed FIR Filter. | International Journal of Engineering Research & Technology (IJERT) Vol 4 | 24.03.2016 |

C). Research Presentations by students in National and International Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Name of Student | Title of the paper | Name of the Conference | National/  International | Venue | Date |
| 1 | T.Abirami | Design of power efficient decoder for memories | National conference on Communication Engineering | National | SRM University, Ramapuram | 9.3.2016 |
| 2 | A.Sangeetha | Design of efficient domino logic comparator | National conference on Communication Engineering | National | SRM University, Ramapuram | 9.3.2016 |
| 3 | P.Abinaya | Design and Implementation of Multiband Hybrid Coupler with Arbitrary Power Division | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 22.03.2016 |
| 4 | R.Abirami | Design of Spiral Microstrip MIMO Antenna Using Defected Ground Structure for WLAN Applications | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 5 | A.Arun Kumar | Design and Implementation of Antenna Filter Antenna Based on Multilayer Frequency Selective Surface | International conference on communication Engineering | International | PMR Engineering College | 25-03-2016 |
| 6 | A.Arun Kumar | Design and Analysis of Circular Patch Fractal Antenna for RADAR Application | International conference on communication Engineering | International | ST Joseph Institute of Technology | 29.04.2016 |
| 7 | S.Deepan | Decision Tree Classification For Multiclass Analysis | International conference on communication Engineering | International | PMR Engineering College | 25-03-2016 |
| 8 | S.Deepan | Ensemble Classification of Urban Regions Using Hyperspectral Remote Sensed Scenes | International conference on communication Engineering | International | St Joseph Inistitute of Technology | 29-04-2016 |
| 9 | S.JannaniJayasree | Slot Printed Array Antenna with Suppressed Side Lobe Level For X- Band | International conference on communication Engineering | International | Saveetha University | 10.03.2016 |
| 10 | P.Kavimathi | Analysing the Performance of Classifiers for the Detection of Skin Cancer with Dermoscopy Images | International conference on communication Engineering | International | Kln College Of Engineering | 06.04.2016 |
| 11 | P.Kavimathi | Comparative Analysis of Machine Learning based Classifiers for the Detection of Skin Cancer with Dermoscopy Images | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 12 | K.Kavyalakshmi | A Cross Layer Protocol Design Approach For Cognitive Machine to Machine Communication for Internet Of Things | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 13 | R.Kiruthika | Multispectral Image Restoration of Historical Document Image | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 14 | S.Malini | Automatic Speech Recognition (ASR) in Noisy Environment using Adaptive Filter for Speech Enhancement | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 22.03.2016 |
| 15 | R.Nandhini | Online Learning of Efficient Video Based Road Detection Using SVM | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 16 | K.Nirmala | Resting State Functional MRI Diagnostic Classification of Amygdala in Aspd | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 17 | S.R.Prabakaran | Design of a Driver Circuit for a Brushless Dc Motors Using Sensorless Techniques | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 22.03.2016 |
| 18 | S.R.Prabakaran | Design of a Driver Circuit for a 3 Pole Star Connected Sensorless Brushless DC Motor | International conference on communication Engineering | International | IFERP | 27.03.2016 |
| 19 | S.Priya | Design of Compact Multiband Slot Antenna For Wideband Applications | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 20 | K.Radhika | Design and Analysis of Substrate Integrated Waveguide Wideband Filter For A Band Frequency Application | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 21 |  | Design and Analysis of Substrate Integrated Waveguide Wideband Filter For A Band Frequency Application. | International conference on communication Engineering | International | ST Joseph Institute of Technology | 29.04.2016 |
| 22 | A.E.Ramanujan | Compact Half-Ellipse Co-radiator MIMO Antenna | International conference on communication Engineering | International | SSN College of Engineering | 25.03.2016 |
| 23 | A.E.Ramanujan | Compact Dual Band Antenna Using Bender Fork resonator with DGS for Wireless Application | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 22.03.2016 |
| 24 | A.E.Ramanujan | Compact Circular Co radiator MIMO Antenna | International conference on communication Engineering | International | RMK College of Engineering | 23.03.2016 |
| 25 | R.Ramya | A wide Band Antenna for Automotive Application | International conference on communication Engineering | International | RMK College of Engineering |  |
| 26 | R.Ramya | A Comparison of Machine Learning Methods on  Diagnosing MCI and AD using Multimodal Neuroimaging | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.20Mr16 |
| 27 | S.Revathy | Compact HMSIW Low Profile Rectenna for WPT | International conference on communication Engineering | International | Rajalakshmi Engineering College | 17.03.2016 |
| 28 | S.Revathy | Compact Half Ellipse Co Radiator MIMO Antenna | International conference on communication Engineering | International | SSN College of Engineering | 25.03.2016 |
| 29 | S.Revathy | CPW Fed Slot Antenna for WPT | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 22.03.2016 |
| 30 | M.Rubini | CSMA MAC protocol for cognitive Radio Networks | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 31 | R.Rukmangathan | Design of a Microstrip Patch Dual Band Pass Filter | International conference on communication Engineering | International | Panimalar Institute Of Technology | 07.05.2016 |
| 32 | K.Shahida Salma | Performance Enhancement of Modified Multiband Stacked Microstrip patch Antenna for Wireless Communication | International conference on communication Engineering | International | Karpagam College of Engineering | 19.03.2016 |
| 33 | K.Shahida Salma | Performance Enhancement of Multiband Stacked Microstrip Patch Antenna for Wireless Communication | International conference on communication Engineering | International | Rajalakshmi College of Engineering | 18.03.2016 |
| 34 | R.Srividhya | A Compact Multiband Partially reflective Surface Antenna for X band and WLAN Applications | International conference on communication Engineering | International | Karunya University | 5.03.2016 |
| 35 | R.Srividhya | Design of Multiband reconfigurable Square Spiral Antenna for WLAN & GPS Applications | International conference on communication Engineering | International |  | 23.03.2016 |
| 36 | K.Subhasri | Design and Implementations of 2 X 2MIMO System for S Band Application | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 37 | S.A.Vijayalakshmi | Design and Implementation of Hairpin Bandpass Filter using Defected Microstrip Structures | International conference on communication Engineering | International | Vivekanandha College Of Engineering For Women | 23.03.2016 |
| 38 | S.Bhuvaneshwari | Score Level Fusion of Ear Using Distinctive Image Feature. | International conference on communication Engineering | International | Saveetha University | 10.03.2016 |
| 39 | K.Elango | Photo-voltaic Power Compensation with Reversible Supply to Grid. | International conference on communication Engineering | International | PMR Engineering College | 25.03.2016 |
| 40 | K.Elango | FPGA Based Photo Voltaic Efficient Energy Management with Reversible OFF-The-Grid power supply. | International conference on communication Engineering | International | Jawahar Engineering College | 03-04-2016 |
| 41 | S.Mohanarangan | A Novel Implementation of ALU using Vedic Mathematics. | International conference on communication Engineering | International | PMR Engineering College | 25-03-2016 |
| 42 | S.Mohanarangan | Design and implementation of ALU chip using D3L logic. | International conference on communication Engineering | International | Jawahar Engineering College | 03-04-2016 |
| 43 | A.Mariyaprincy | Human Authentication Using Multispectral Pattern. | International conference on communication Engineering | International | Saveetha University | 10.03.2016 |
| 44 | R.V.Vimala | Area and Power Efficient Common Boolean Logic Based Carry Select Adder Using Optimized Carry Select Method. | International conference on communication Engineering | International | Saveetha University | 10.03.2016 |
| 45 | A.Vigneshwar | Approximate Multiplier for Image Processing Applications. | International conference on communication Engineering | International | PMR Engineering College | 25.03.2016 |

D) National and International Conferences/ symposiums/ workshops attended by the students:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Name of Student | Name of the Conferences/ symposiums/ workshops | National/  International | Venue | Date |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**4) Sponsorship details of faculty and students:**

**I) Sponsorship for faculty members:**

A) Faculty sponsored for presentation in National Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.  No | Name of the Faculty | Date | Title of the Paper | Name of the Conferences/ symposiums/ workshops | Venue | Sponsorship Amount(Rs.) |
|  |  |  |  |  |  |  |

B) Faculty sponsored for presentation in International Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Name of the Faculty | Date | Title of the Paper | Name of the Conferences/ symposiums/ workshops | Venue | Sponsorship Amount(Rs.) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

C) Faculty sponsored for attending national Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.  No | Name of the Faculty | Date | Name of the Conference/ symposium/ workshop | Venue | Sponsorship Amount(Rs.) |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**II) Sponsorship for Students:NIL**

A) Students sponsored for presentation in National Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Name of the Faculty | Date | Title of the paper | Name of the Conference/ symposium/ workshop | Venue | Sponsorship Amount(Rs.) |
|  |  |  |  |  |  |  |

B). Students sponsored for presentation in International Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Name of the Faculty | Date | Title of the paper | Name of the Conference/ symposium/ workshop | Venue | Sponsorship Amount(Rs.) |
|  |  |  |  |  |  |  |

C). Students sponsored for attending national Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | Name of the Faculty | Date | Name of the Conference/ symposium/ workshop | Venue | Sponsorship Amount(Rs.) |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

* 1. **Research cell(s) /area(s) of research in the department:**

RF and Microwave Communication

* 1. **Consultancy work in the department:** m/s Arul devi paper mills Ltd
  2. **Patent information: NIL**