

## Academic Year 2015-16

### STUDENT & FACULTY PUBLICATIONS

| SI No | Title of Paper  | First Author                 | Other authors | Name of the Journal   | Indexed by  | Month and Year of Publication | Doi / Volume / Issue No/ Page No  | Impact factor of the Journal (if any) |
|-------|---|------------------------------|---------------|---|---|-------------------------------|---|---------------------------------------|
| 1     | Low Bone Mass Estimation: The Exhibition of Semi-automated Approach over the Manual Method in a Comparative Perspective With DX41 | D.Ashok Kumar                | M.Anburajan   | International Journal of Osteoporosis & Metabolic Disorders               | Scopus  | Jun-16                        | Volume 9, Issue 1-3, 2016, Pages 1-12 ISSN 1994-5442<br>DOI: 10.3923/ijom.2016.1.12 | -                                     |
| 2     | Diagnosis of diabetes mellitus by extraction of morphological features of red blood cells using an artificial neural network.     | Vinupritha P                 | M Anburajan   | Experimental and clinical endocrinology and diabetes                      | SCI,SCOPUS indexed  | June 29,2016                  | DOI: <a href="https://doi.org/10.1055/s-0042-108187">10.1055/s-0042-108187</a>      | -                                     |
| 3     | Ultrasound Color Doppler Image Segmentation and Feature Extraction in MCP and Wrist Region in Evaluation of Rheumatoid Arthritis  | Snehalatha, U Muthubhairavi, | M. Anburajan  | Journal of Medical Systems  | Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, PubMed/Medline, SCOPUS | 23rd July 2016                | Volumes 40, Issues 233, Articles 2,783<br>Doi:10.1007/s10916-016-0552-z             | 2.213                                 |
| 4     | Diagnosis of cardiac abnormality using heart sound  | AnandeepChaudhuri            | T.Jayanthi    | Journal of Biomedical Engineering: Applications, Basis and Communications | Scopus  | 28th July, 2016               | Volume 28, Issue 05, October 2016, Doi:10.4015/S1016237216500320                    | -                                     |

|   |  |                     |                         |  |   |                        |   |       |
|---|--|---------------------|-------------------------|--|---|------------------------|---|-------|
| 5 | Designing Of A Single Arm Single Lead Ecg System For Wet And Dry Electrode: A Comparison With Traditional System                                   | A Gautham           | V Karthik Raj           | Journal of Biomedical Engineering: Applications, Basis and Communications  | Scopus  | Aug-16                 | Vol. 28, No. 3 (2016) 1650021 (10 pages)<br>DOI: 10.4015/S1016237216500216 ISSN: 10162372 | -     |
| 6 | Automated Hand Radiograph Segmentation, Feature Extraction and Classification Using Feed Forward BPN Network in Assessment of Rheumatoid Arthritis | U.Snehalatha        | M.Anburajan             | Proceedings of 2nd International Conference on Intelligent Computing and Applications, Advances in Intelligent Systems and Computing | Scopus  | Sep-16                 | DOI 10.1007/978-981-10-1645-5_12  | -     |
| 7 | Classification of abnormal breast neoplasm from mammogram images   | Angeline SP Kirubha | M.Anburajan             | International Journal of Computer Science and Information Security (IJCSIS)  | ESCI - IP & Science - Thomson Reuters - Web of Science. | October 19 & 20 - 2016 | Vol. 14 CIC 2016 Special Issue, ISSN 1947-5500  | 0.519 |
| 8 | Evaluation of Hypotension using Wavelet and Time Frequency Analysis of Photoplethysmography (PPG) Signal   | Remya Raj           | J.SelvakumarM.Anburajan | International Journal of Computer Science and Information Security (IJCSIS)  | ESCI - IP & Science - Thomson Reuters - Web of Science. | October 19 & 20 - 2016 | Vol. 14 CIC 2016 Special Issue, ISSN 1947-5500  | 0.519 |
| 9 | Non-invasive cuffless diagnosis of hypertension using dynamic thermal imaging features   | T.Jayanthi          | M. Anburajan            | International Journal of Computer Science and Information Security (IJCSIS)  | ESCI - IP & Science - Thomson Reuters - Web of Science. | October 19 & 20 - 2016 | Vol. 14 CIC 2016 Special Issue, ISSN 1947-5500  | 0.519 |

|    |   |   |                       |   |   |                |   |       |
|----|---|---|-----------------------|---|---|----------------|---|-------|
| 10 | Physiological modeling of retina for detecting the level of perception of Strabismus person                                 | <b>T.Rajalakshmi</b>                    | <b>Shanthi Prince</b> | Proceeding of 2 <sup>nd</sup> International conference on Intelligent computing and Applications, (ICICA-2015), pp30- | Scopus Indexed, Published in Springer Book chapter  | October 2016   | DOI: 10.1007/978-981-10-1645-5_15   | -     |
| 11 | Physiological modeling of retina for detecting the level of perception of Night blindness person                            | <b>T.Rajalakshmi</b>                    | <b>Shanthi Prince</b> | Proceedings of the International Conference on Signal, Networks, Computing, and Systems                               | Published in Springer Book chapter – Scopus Indexed | October 2016   | DOI: 10.1007/978-81-322-3589-7_4  | -     |
| 12 | Thermal distribution based investigations on electromagnetic interactions with the human body for wearable wireless devices | <b>V. Karthik</b>                       | <b>T. Rama Rao</b>    | Progress In Electromagnetics Research M,  | Scopus Indexed                                      | October 2016   | Vol. 50, 141-150, 2016.   | -     |
| 13 | Retinal model-based visual perception: Applied for medical image processing   | <b>T.Rajalakshmi</b>                    | <b>Shanthi Prince</b> | Biologically Inspired Cognitive Architectures   | Scopus , Science direct.                            | October 2016   | doi.org/10.1016/j.bica.2016.09.005  | 0.843 |
| 14 | Neural network based on Verilog HDL for fetal ECG extraction  | <b>Nirmal Adam Sait, M. Thangarajan</b> | <b>U. Snehalatha</b>  | <i>International Journal of Biomedical Research</i>   | Google Scholar Index Copernicus                     | Nov 2016       | ISSN: 0976-9633 (Online); 2455-0566 (Print) Journal DOI: 10.7439/ijbr CODEN: IJBRFA | -     |
| 15 | Investigations on SAR and Thermal Effects of a Body Wearable Microstrip Antenna   | <b>Varshini Karthik</b>                 | <b>T.Rama Rao</b>     | Wireless pers commun an International Journal   | SCI   | 7th March 2017 | Volume 80, Number 3, ISSN 0929-6212 DOI:10.1007/s11277-017-4059-9                   | -     |

|    |   |                 |                                 |  |                |            |   |       |
|----|---|-----------------|---------------------------------|--|----------------|------------|---|-------|
| 16 | Automated thermal image segmentation of knee rheumatoid arthritis   | Suma            | U.Snekhaltha,<br>T.Rajalakshmi  | IEEE xplore  | Scopus         | Nov 2016   | DOI: <a href="https://doi.org/10.1109/IC_CSP.2016.7754195">10.1109/IC_CSP.2016.7754195</a>                          | -     |
| 17 | Diagnosis of rheumatoid arthritis in knee using fuzzy c means segmentation technique  | Gopikrishnan    | T.Rajalakshmi,<br>U.Snekhaltha, | IEEE Explore   | Scopus         | Nov 2016   | DOI: <a href="https://doi.org/10.1109/IC_CSP.2016.7754172">10.1109/IC_CSP.2016.7754172</a>                          | -     |
| 18 | Physiological modeling of retina for detecting the level of perception of colour blindness person   | T.Rajalakshmi   | Shanthi Prince                  | Journal of Engineering in Medicine                       | Scopus         | March 2017 | DOI: 10.1177/0954411917690762   | 0.996 |
| 19 | Finite Element Analysis of Normal Tibiofemoral Joint and Knee Osteoarthritis: A comparison study validated through geometrical measurements | V. Ashwin kumar | A. K. Jayanthy                  | Journal info-"Indian Journal of Science and Technology"  | Scopus         | Dec 2016   | volume 9, Special issue 1, ISSN (Print) : 0974-6846<br><br>ISSN (Online) : 0974-5645/10.17485/ijst/2016/v9iS1/98891 | -     |
| 20 | Evaluation of Rheumatoid arthritis in thermography and color Doppler ultrasound   | Suma            | U.Snekhaltha,<br>T.Rajalakshmi  | International journal of control theory and applications | Scopus indexed | March 2017 | 9(37); PP 443-457, 2016.  | -     |

## STUDENTS PUBLICATIONS

### Academic Year 2013 – 2014

#### a. International Journal

| SI No | Title of Paper   | First Author                    | Other authors  | Name of the Journal   | Month and Year of Publication | Volume / Issue No/<br>Page No  | Impact factor of the Journal (if any) | Indexed or not /Hyperlink   |
|-------|--|---------------------------------|----------------|---|-------------------------------|--|---------------------------------------|---|
| 1.    | “EOG Based Low Cost Devices For Controlling Home Appliances”   | <b>V. Aswin Raj</b>             | V. Karthik Raj | International Journal of Innovative Research in Science, Engineering & Technology | March 2014                    | Vol 3, Special Issue3<br>ISSN (Online): 2347 – 6710<br>ISSN (Online): 2319-8753, Cert. No: V3I03C322 | 1.654                                 | <a href="http://www.ijirset.com/upload/2014/iciet/ece/11-4.pdf">http://www.ijirset.com/upload/2014/iciet/ece/11-4.pdf</a><br>Pubmed, SCI/Medline                              |
| 2.    | “Intelligent wireless patient monitoring and tracking system (Using sensor Network and Wireless Communication” | <b>Ch.Sandeep Kumar Subudhi</b> | S. Sivanandam  | International Journal of Interdisciplinary and Multidisciplinary Studies.         | April 2014                    | Vol 1, No.3,97-104,<br>ISSN: 2348 - 0343   | 1.36                                  | <a href="http://www.ijims.com/uploads/511849953657260aa7adzppd_14316.pdf">http://www.ijims.com/uploads/511849953657260aa7adzppd_14316.pdf</a><br>Google Scholar               |
| 3.    | “Alternative and augmentative communication (AAC) using tongue morse code input”                               | <b>K.Roopak Saagar</b>          | G. Anitha      | Online Journal of Biosciences and informatics                                     | April 2014                    | Vol 2, Issue 1, ISSN 2320-2912,  | -                                     | <a href="http://www.journalonline.in/submitmanuscript/final_article/398">http://www.journalonline.in/submitmanuscript/final_article/398</a>                                   |
| 4.    | “Automated method for hemoglobin count measurement using IR sensor for donors in blood bank”                   | <b>P Ponni</b>                  | Vinupritha. P  | International Journal of Scientific Research                                      | May 2014                      | Vol 3, Issue:5,<br>ISSN No 2277-8179,  | 1.86                                  | <a href="http://theglobaljournals.com/ijsr/file.php?val=May_2014_1400566516_b8b3b_48.pdf">http://theglobaljournals.com/ijsr/file.php?val=May_2014_1400566516_b8b3b_48.pdf</a> |

|     |  |                                |                    |  |            |   |   |  |
|-----|--|--------------------------------|--------------------|--|------------|---|---|--|
| 5.  | "An inexpensive experimental setup for teaching the concepts of da Vinci surgical robot" | <b>S. Vignesh kishan kumar</b> | G. Anitha          | International Journal of Recent Development in Engineering and Technology    | April 2014 | (Online), Vol 2, Issue 4, ISSN 2347-6435        | - | <a href="http://www.ijrdet.com/files/Volume2Issue4/IJRDET_0414_12.pdf">http://www.ijrdet.com/files/Volume2Issue4/IJRDET_0414_12.pdf</a>  |
| 6.  | "Dental panoramic radiographs in prediction of osteoporosis in postmenopausal women"     | <b>P. Divyasree</b>            | Mr.Kathirvelu D    | International Journal of Engineering Research & Technology                   | March 2014 | Issue 3, Vol 3, ISSN:2278                       | - | <a href="file:///C:/Users/Admin/Downloads/April_2013_Journal.pdf">file:///C:/Users/Admin/Downloads/April_2013_Journal.pdf</a><br>Google Scholar, Arxiv, ResearchGate, Scirus, getCITED |
| 7.  | "Verilog HDL based neural network for fetal ECG extraction and analysis"                 | <b>Nirmal Adam Sait</b>        | Mrs.U.Snekhathatha | International Journal of Engineering Research & Technology                   | April 2014 | Issue 4, Vol 3, ISSN: 2278:0181                 | - | <a href="file:///C:/Users/Admin/Downloads/April_2013_Journal.pdf">file:///C:/Users/Admin/Downloads/April_2013_Journal.pdf</a><br>Google scholar, index Copernicus,EBSCO host,          |
| 8.  | "A review of phase correction methods for partial fourier reconstruction of MRI"         | <b>Sivadas Neelima</b>         | Lakshmi Prabha P   | International Journal of advanced research computer engineering & technology | Feb 2014   | Vol 3, Issue 3, pp 414-418<br>ISSN: 2278 – 1323 | - | <a href="http://ijarcet.org/wp-content/uploads/IJARCET-VOL-3-ISSUE-2-414-418.pdf">http://ijarcet.org/wp-content/uploads/IJARCET-VOL-3-ISSUE-2-414-418.pdf</a>                          |
| 9.  | "Design of biometric device based on gait recognition using kinect"                      | <b>Aylwin Jeffrey Samuel</b>   | G. Anitha          | International Journal of Scientific and Engineering Research                 | May 2014   | Volume : 2 Issue : 3<br>Pages : 344 – 359       | - | <a href="http://www.journalonline.in/submitmanuscript/final_article/400">http://www.journalonline.in/submitmanuscript/final_article/400</a>  |
| 10. | "Secure and efficient transmission of medical images over wireless network"              | <b>K Deepika</b>               | Varshini Karthik   | International Journal of Research in Engineering and Technology              | May 2014   | e-ISSN:2319-1163,<br>p-ISSN:2321-7308           | - | <a href="http://ijret.org/Volumes/V03/I19/IJRET_110319130.pdf">http://ijret.org/Volumes/V03/I19/IJRET_110319130.pdf</a>  |

**b. International Conferences**

| <b>Sl No</b> | <b>Title of Paper</b>   | <b>Author(s)</b>   | <b>Conference Name ( with expansion)</b>   | <b>Date/duration of conference</b> | <b>Institute Organizing / Place</b>                                       |
|--------------|---|--|--|------------------------------------|---|
| 1.           | <i>"Low cost light Exoskeleton"</i>   | <b>Parag Sharma,</b><br>Bhargavi Haripriya               | International Conference on "Developing Sustaniable Global Business Model"   | 15/02/14- 16/02/14                 | SRM University, Kattankulathur  |
| 2.           | <i>"Solar Based ECG", International Conference on 'Sustaniable Global Business Model'</i>                                   | <b>Sowmiya ,</b><br>T.Jayanthi                           | International Conference on "Developing Sustaniable Global Business Model"   | 15/02/14                           | SRM University, Kattankulathur  |
| 3.           | <i>"An Instrumentation Approach for Real Time Assessment of Bone Analytic Using MEMS Accelerometer"</i>                     | <b>V. Subashree , T.</b><br>Rajalakshmi                  | International Conference on "Innovations in Information, Embedded and Communication Systems"                             | 13/03/2014 –<br>14/03/2014         | Karpagam College of Engineering,<br>Coimbatore.                           |
| 4.           | <i>"EOG Based Low Cost Device for Controlling Home Appliances"</i>  | <b>V . Aswin Raj, V.</b><br>Karthik Raj                  | IEEE International Conference on "Innovations in Engineering & Technology"   | 21/03/14 –<br>22/03/14             | K.L.N. College of Engineering,<br>Madurai.                                |
| 5.           | <i>"Secure And Efficient Transmission of Medical Images Over Wireless Network"</i>  | <b>Deepika K ,Varshini</b><br>Karthik                    | "Trends in Technology for Convergence 'TITCON-2014"  | 08/04/2014 -<br>09/04/2014         | AVS Engineering College, Salem.   |
| 6.           | <i>"Intelligent Toco - Tonometry with Real Time Respiration Monitoring"</i>   | <b>A. Priya ,</b><br>V . Karthik Raj                     | "Trends in Technology for Convergence (TITCON-2014)"   | 08/04/2014 -<br>09/04/2014         | AVS Engineering College, Salem.   |
| 7.           | <i>"3 Dimensional Modeling of customized ankle implant and newly design wave implant"</i>                                   | <b>Nilkantha Gupta</b><br>D. Ashok Kumar                 | International conference on "Advance research in engineering & technology-2014"  | 18/04/2014 -<br>19/04/2014         | ARM College of Engineering &<br>Technology, Maraimalai Nagar,<br>Chennai. |
| 8.           | <i>"Face recognition as a biometrics approach using thermal images"</i>   | <b>K. Nithyakalyani,</b><br>T. Jayanthi                  | International conference on "Innovation in Engineering Science & Technology (ICIEST'14)"                                 | 20/04/2015                         | Institute of Research & Journals,<br>Chennai.                             |
| 9.           | <i>"Shoulder kinematics and EMG analysis: study and examination of normal and disfunctional shoulder joints"</i>            | <b>M. Ramya ,</b><br>P. Lakshmi Prabha                   | International conference on "Advance research in engineering & technology-(ICARET'14)"                                   | 18/04/2014 -<br>19/04/2014         | ARM College of Engineering &<br>Technology, Maraimalai Nagar,<br>Chennai. |
| 10.          | <i>"Design and analysis of customized cervical disc implant using FEM"</i>  | <b>R. Abarna ,</b><br>P. Muthu                           | International conference on "Advance research in engineering & technology-(ICARET'14)"                                   | 18/04/2014 -<br>19/04/2014         | ARM College of Engineering &<br>Technology, Maraimalai Nagar.             |
| 11.          | <i>"Classification of right bundle branch block and left bundle branch block cardiac arrhythmias based on ECG analysis"</i> | <b>Sukanta</b><br><b>Bhattacharyya,</b><br>U. Snehalatha | Springer International Conference on "Artificial Intelligence and Evolutionary Algorithms in Engineering Systems – 2014" | 22/04/2014 -<br>23/04/2014         | Noorul Islam University,<br>Kanyakumari.                                  |

| SI No | Title of Paper  | Author(s)  | Conference Name (with expansion)   | Date/duration of conference | Institute Organizing / Place  |
|-------|---|--|--|-----------------------------|---|
| 12.   | "Intelligent wireless patient monitoring and tracking system (Using sensor Network and Wireless Communication)" | <b>CH.Sandeep Kumar Subudhi S.</b><br>Sivanandam | International conference on "Advance research in engineering & technology-2014"              | 18/04/2014 - 19/04/2014     | ARM College of Engineering & Technology, Maraimalai Nagar, Chennai. |
| 13.   | Monitoring of physiological parameters and waveforms using wireless body sensors and GSM technology"            | <b>U . Vijayapreethy,</b><br>Varshini Karthik    | International Conference on "Trends in technology for convergence 'TITCON-2014"              | 808/04/2014 – 09/04/2014    | AVS Engineering College, Salem                                      |
| 14.   | "Segmentation of nuchal translucency thickness using genetic algorithm"   | <b>O. V. K Rajalakshmi</b><br>T. Rajalakshmi     | International Conference on "Innovations in Information, Embedded and Communication Systems" | 13/03/2014 – 14/03/2014     | Karpagam College of Engineering, Coimbatore.                        |
| 15.   | "Hybrid Low Power Touch ECG Using dry metal sensor & HRV analysis using MATLAB"                                 | <b>S. Sowmiya, T.</b><br>Jayanthi                | International Conference on "Sustainable Global business nodels – A financial perspective"   | 15/02/2014 – 16/02/2014     | SRM University, Faculty of Management, Kattankulathur, Chennai.     |
| 16.   | "Design of active head restraint systems (AHRS) using a low-power-high sensitivity accelerometer"               | <b>Surya Prakash Nerella</b><br>Dr.M.Anburajan   | International Conference on "Vehicular electronics and safety"                               | 27/10/2014 – 28/10/2014     | World academy of science engineering & Technology, Spain            |

**c. National Conference**

| SI No | Title of Paper  | Author(s)         | Conference Name (with expansion)  | Date/duration of conference | Institute Organizing / Place                               |
|-------|---|-------------------|---|-----------------------------|--|
| 1     | "Hybrid Low Power Touch ECG Using dry metal sensor & HRV analysis using MATLAB"   | <b>S. Sowmiya</b> | National Conference on "Bioelectronics, Biomaterials and Medical Devices"                 | 21/03/14                    | SSN College of Engineering, Chennai.                       |
| 2     | "Design and analysis of customized cervical disc implant using FEM"   | <b>R. Abarna</b>  | 4 <sup>th</sup> National conference on "Innovations in Mechanical Engineering (NCIME'14)" | 22/03/2014                  | Gojan School of Business & Technology, Chennai.            |
| 3     | "Shoulder kinematics and EMG analysis: study and examination of patients with normal and dysfunctional shoulder joints" | <b>M. Ramya</b>   | National Level "Embedded system Conference (NEC'14)"                                      | 27/03/2014 – 28/03/2014.    | Regional centre of Anna University, Tirunelveli.           |
| 4     | "Shoulder kinematics and EMG analysis: study and examination of patients with normal and dysfunctional shoulder joints" | <b>M. Ramya</b>   | 4 <sup>th</sup> National conference on "Innovations in Mechanical Engineering (NCIME'14)" | 22/03/2014.                 | Gojan School of Business & Technology, Chennai, Tamil Nadu |

Academic Year 2012 – 2013

**a. International Journal**

| SI No | Title of Paper   | First Author               | Other authors | Name of the Journal  | Month and Year of Publication.          | Volume / Issue No/ Page No  | Citation index of the paper( if any)  |
|-------|--|----------------------------|---------------|--|---|-----------------------------|---|
| 1     | <i>“Three-Dimensional (3D) Modeling of the Knee and Designing of Custom made Knee Implant using Mimics Software”</i> | <b>Ravikant Kamal</b>      | D.Ashok Kumar | International journal of current Engineering and Technology            | Online Published on June- 2013          | Vol.3,No.2                  | Available at <a href="http://inpressco.com/category/ijc">http://inpressco.com/category/ijc</a> Indexed by Google scholar, SCPIO |
| 2     | <i>“Matching of Dental Panoramic Radiographs Based on the Dental Work Information”</i>                               | <b>Aqsa Akaz</b>           | D.Kathirvelu  | International Journal of Engineering Research & Technology             | Published by:ESRSA Publication Jan-2013 | Vol.2, Issue 1              | <a href="#">ISSN:2278 - 0181</a>  |
| 3     | <i>“CAD model of patient specific portal vein for analysis of liver disorder”</i>                                    | <b>Yashwant Kumar Shau</b> | M.Anburajan   | International Journal of Mechanical and Industrial Engineering (IJMIE) |   | Pp:8-12, Vol-3, Iss-2, 2013 | <a href="#">ISSN No. 2231-6477</a>  |

**b. International Conferences**

| SI No | Title of Paper  | Author(s)  | Conference Name ( with expansion)  | Date/duration of conference                   | Institute Organizing / Place                                   |
|-------|---|--|--|---|--|
| 1     | <i>“Automatic Language Translation software for aiding communication between Indian sign Language and spoken English using Labview”</i> | <b>Yellapu Madhuri</b><br>Ms.G. Anitha,<br>M.Anburajan | International conference on Information communication & embedded systems ICICES 2013 in association with IEEE<br>Proceedings published by:<br><a href="#">ISBN: 978-1-4673-5787-6G</a> | 21 <sup>st</sup> – 22 <sup>nd</sup> Feb, 2013 | S.A. Engineering college, Chennai.                             |
| 2     | <i>“Patient specific CAD Model of useful carotid Artery (CA) for CFD analysis of CA with Plaque Condition”</i>                          | <b>Harita K,</b><br>M.Anburajan                        | 2 <sup>nd</sup> International IEEE Conference on communication & signal processing (ICCSP’13)<br>Proceedings published by:<br><a href="#">ISBN: 978-1-4679-1620-0</a>                  | 3 <sup>rd</sup> – 5 <sup>th</sup> April, 2013 | Adhiparasakthi Engineering college, Melmaruvathur, Tamil Nadu; |
| 3     | <i>“ CAD Model of patient Specific Portal Vein for Analysis of Liver Disorder”</i>  | <b>Yashwant K. Sahu,</b><br>M.Anburajajan              | International conference on Mechanical and Industrial Engineering<br><a href="#">ISSN: 2231-6477</a>   | 31 <sup>st</sup> March 2013.                  | Chennai  |

| SI No | Title of Paper   | Author(s)   | Conference Name (with expansion)   | Date/duration of conference                      | Institute Organizing / Place   |
|-------|--|---|--|--|--|
| 4     | <i>"Development and characterization of Chitosan-Pluronic Polymeric Nanoparticles for the Breast Cancer Treatment"</i>           | <b>Rajath O,</b><br>Varshini Karthik                            | International conference on Emerging Trends in Intelligent Sustainable Technologies  | 27 <sup>th</sup> April 2013                      | Information Technology Society of India, Pune  |
| 5     | <i>"Real-Time Miniaturized ECG system with Bluetooth Transmission"</i>   | <b>Dennis Joe Harmah</b><br>Mr. Kathirvelu D                    | International conference on Global Innovation in technology and sciences (ICGITS 2013).  | 4 <sup>th</sup> – 6 <sup>th</sup> April, 2013    | Saintgits College of Engineering, Kottayam-India,.   |
| 6     | <i>"An Ubiquitous Miniaturized Android Based ECG Monitoring system"</i>  | <b>Dennis Joe Harmah</b><br>Mr. Kathirvelu D                    | 2013 IEEE International conference on Emerging Trends in Computing, communication and nanotechnology (ICECCN 2013)<br>Conference Proceedings IEEE:<br><a href="https://doi.org/10.1109/ICECCN.2013.6620000">ISBN: 978-1-4673-1620-0.</a> | 25 <sup>th</sup> – 26 <sup>th</sup> March, 2013. | Infant Jesus college of Engineering and Technology, Tuticorin, Tamil Nadu:   |
| 7     | <i>"Patient Specific mimicking CAD models of biliary tract with and without Gall stones for CFD analysis of bile dynamics"</i>   | <b>Bhuvana R</b><br>Dr.M. Anburajan                             | 2 <sup>nd</sup> IEEE International conference on Communication and signal processing.  | 3 <sup>rd</sup> – 5 <sup>th</sup> April, 2013.   | Adhiparasakthi Engineering College, Melmaruvathur, Tamil Nadu:   |
| 8     | <i>"CFD Analysis Bile dynamics in Biliary tract with and without Gall Stones"</i>  | <b>Bhuvana R</b><br>Dr.M. Anburajan                             | 2 <sup>nd</sup> International IEEE conference on Computing & Communication Systems (ICECCS'13),  | July 17-19, 2013                                 | Jaypee University of Information Technology, Wagnaghat, HP, India.   |
| 9     | <i>" Effective way for Visualizing the 3D Model of the Human organ using Java"</i>   | <b>Sobi D M</b><br>Mrs. Bhargavi Haripriya                      | International conference on Systems, Signal processing and Electronic s Engineering (ICSSEE)   | 21 <sup>st</sup> April, 2013                     | Coimbatore.  |
| 10    | <i>"FEA of humeral head resurfacing glenoid should arthroplasty"</i>   | <b>S. Logeswari</b><br>Mrs.U.Snehalatha                         | International conference on Electrical Engineering & Computer Science  | 17 <sup>th</sup> , March 2013                    | Coimbatore.  |
| 11    | <i>:"Uninterrupted wireless patient monitoring on laptop or display"</i>   | <b>Sonal Raju</b><br>Mrs.A. Angeline Kirubha<br>Dr.M. Anburajan | ASAR International conference on Advance electrical and Electronics Engineering,   | 11 <sup>th</sup> May, 2013                       | Asian society for academic research ICAEEE-2013, anna University, Coimbatore.  |
| 12    | <i>"Automatic color image segmentation of hand using color Doppler ultrasound imaging in evaluation of rheumatoid arthritis"</i> | <b>Muthu Baairavi</b><br>Mrs.U. Snehalatha,                     | ASAR-International conference on advance Electrical and Electronics Engineering.   | 12 <sup>th</sup> May 2013                        | Asian society for academic research ICAEEE-2013, Anna University, Coimbatore   |
| 13    | <i>"Dental biometrics: Computer aided human identification system using the dental panoramic radiographs"</i>                    | <b>Aqsa Ajaz</b><br>Mr.D. Kathirvelu                            | 2 <sup>nd</sup> IEEE International Conference on Communication and signal processing   |  | Department of Electronics and communication Engineering., Adhiparasakthi engineering college, Approved by AICTE, Affiliated to Anna University, Chennai., Melmaruvathur – 603319, Tamil Nadu |
| 14    | <i>"3D Modeling of Stenotic Internal Carotid Artery Treated with Stent: A CFD Analysis of Blood"</i>                             | <b>M.Elshin Joel,</b><br>M.Anburajan                            | International Conference on Computer, Networks and Communication Engineering (ICCNCE 2013)   | May, 2013  | Beijing, China   |

c. **National Conference**

| SI No | Title of Paper   | Author(s)   | Conference Name<br>(with expansion)  | Date/duration of<br>conference                  | Institute Organizing / Place   |
|-------|--|---|--|---|--|
| 1     | <i>"Computational fluid dynamic analysis of anterior tibial artery"</i>                        | <b>Rajkumar N</b><br>Mr.D. Ashok Kumar<br>(Asst.Prof)             | National Conference on "advanced trends in healthcare engineering"<br>Proceedings published by:<br><a href="#">ISBN: 978-1-4244-8677-9</a>                                   | February 27, 2013.                              | Dhanalakshmi srinivasan engineering college, Perambalur, Trichi.   |
| 2     | <i>"Prediction of Stress Distribution and Range of Motion in intact model of Lumbar Spine"</i> | <b>Omar Hussain</b><br>Mrs.Varshini Karthik<br>(Asst.Prof)        | National conference on Innovations in Engineering and Technology (NCIET13)   | 4 <sup>th</sup> May, 2013                       | Musaliar college of Engineering & Technology, Pathanamthitta, Kerala.  |
| 3     | <i>" Computational fluid dynamic analysis of left subelavian artery"</i>                       | <b>Reguram A</b><br>Mr.S. Sivanandam<br>(Asst.Prof)               | Conference on advanced trends in healthcare engineering,   | February 27 <sup>th</sup> , 2013                | Dhanalakshmi Srinivasan Engineering College, Tamil Nadu:   |
| 4     | <i>"Patient Specific CAD model of Pulmonary artery for Analysis of Arterial Disease"</i>       | <b>Anindita Datta Muhuri</b><br>Mrs.T. Rajalakshmi<br>(Asst.Prof) | 2nd National conference on Recent development in Mechanical Engineering, (RDME-2013), (IOSR-IMCE),<br>ISSN (e): <a href="#">2278-1684</a> , <a href="#">ISSN(p): 2320X</a> . | 26 <sup>th</sup> – 27 <sup>th</sup> April, 2013 | M.E.S. College of Engineering, Waida College campus, Pune.<br><br>Published on IOSR journal of Mechanical and civil Engineering. |

**Academic Year 2011 – 2012**

| SI No | Author(s)  | Title of Paper  | Conference Name<br>(with expansion)   | Date/duration of conference    | Institute Organizing / Place                                     | Presented /Published/ Accepted  |
|-------|--|---|---|--------------------------------|--|---|
| 1     | <b>M.Elshin Joel,</b><br>M.Anburajan                         | <i>"CFD Analysis of Human Carotid Artery"</i>   | Third National Conference on "Communication, Computation, Control and Automation (CCCA-2012)"   | 9-10 <sup>th</sup> March, 2012 | Sri Ramakrishna Institute of Technology, Coimbatore, Tamil Nadu; | Presented;<br><b>Proceedings published by: Bonfring, Coimbatore;</b><br><a href="#">P-ISBN: 978-1-4675-1446-0</a> |
| 2     | <b>Shah Aditi,</b><br>M.Anburajan                            | <i>"CFD Analysis of Abdominal Aorta and its Aneurysm"</i>   | Third National Conference on "Communication, Computation, Control and Automation (CCCA-2012)"   | 9-10 <sup>th</sup> March, 2012 | Sri Ramakrishna Institute of Technology, Coimbatore, Tamil Nadu; | Presented;<br><b>Proceedings published by: Bonfring, Coimbatore;</b><br><a href="#">P-ISBN: 978-1-4675-1446-0</a> |
| 3     | <b>Michael Oppong Jeboah,</b><br>S. Sivanandam               | <i>"Design and construction of wearable upper WMB movement assistive device for kinesiotherapy treatment"</i> | Third National Conference on "Communication, Computation, Control and Automation (CCCA-2012)"   | 9-10 <sup>th</sup> March, 2012 | Sri Ramakrishna Institute of Technology, Coimbatore, Tamil Nadu; | Presented;<br><b>Proceedings published by: Bonfring, Coimbatore;</b><br><a href="#">P-ISBN: 978-1-4675-1446-0</a> |
| 4     | <b>G.J.Karthika,</b><br>S.P.Angeline Kirubha,<br>M.Anburajan | <i>"Brain Tumor Detection on MRI Images"</i>  | National Conference on "Trends in Electronics, Instrumentation, Embedded System & Automation" . | 30 <sup>th</sup> March 2012    | Karunya University, Coimbatore, Tamil Nadu;                      | Presented;<br><b>Proceedings Published by: Karunya University</b><br><a href="#">ISBN: 978-81-907929-0-5</a>      |
| 5     | <b>S.Sathya,</b><br>T.Jayanthi                               | <i>"Segmentation of coronary artery on cardiac CT angiogram"</i>  | National Conference on "Trends in Electronics, Instrumentation, Embedded System & Automation" . | 30 <sup>th</sup> March 2012    | Karunya University, Coimbatore, Tamil Nadu;                      | Presented;<br><b>Proceedings Published by: Karunya University</b><br><a href="#">ISBN: 978-81-907929-0-5</a>      |
| 6     | <b>Ebenezer Lartey Debrah,</b><br>S.Sivanandam               | <i>"Monitoring of vital physiological parameters for athletes"</i>  | National Conference on "Trends in Electronics, Instrumentation, Embedded System & Automation" . | 30 <sup>th</sup> March 2012    | Karunya University, Coimbatore, Tamil Nadu;                      | Presented;<br><b>Proceedings Published by: Karunya University</b><br><a href="#">ISBN: 978-81-907929-0-5</a>      |
| 7     | <b>Biswajeeth,</b><br>D. Ashok Kumar, M Anburajan            | <i>"An eye blink detection based low cost portable device for triggering an fes"</i>                          | National Conference on "Emerging Trends in NANO, Embedded and                                   | 6 <sup>th</sup> April 2012     | Saveetha University, Chennai, Tamil Nadu;                        | Presented;<br><b>Proceedings published by: Eagle Eye Publications, Mumbai;</b>                                    |

| SI No | Author(s)  | Title of Paper   | Conference Name<br>(with expansion)  | Date/duration of conference                     | Institute Organizing / Place   | Presented /Published/ Accepted   |
|-------|--|--|--|---|--|--|
|       |  | <i>for foot drop patients</i>  | Telecommunication Technologies (ETNET'12)  |   |  | <a href="#">P-ISBN: 978-81-923777-3-3</a>  |
| 8     | <b>Aishwarya Dash</b> , D. Ashok Kumar, M Anburajan            | : <i>'Design of an EOG based computer assistive device for alarm and messaging system'</i> | National Conference on "Emerging Trends in NANO, Embedded and Telecommunication Technologies (ETNET'12)" | 6 <sup>th</sup> April 2012                      | Saveetha University, Chennai, Tamil Nadu;                                      | Presented;<br><b>Proceedings published by: Eagle Eye Publications, Mumbai;</b><br><a href="#">P-ISBN: 978-81-923777-3-3</a>          |
| 9     | <b>A.Monisha</b> , M.Anburajan                                 | "Computerized evaluation of various liver diseases using ultrasound images"                | International Conference on "Innovative Computing and Information Processing (ICICIP-12)"                | 29 <sup>th</sup> – 31 <sup>st</sup> March 2012. | Mahendra Engineering College, Namakkal, Tamil Nadu;                            | Presented;<br>Proceedings published by: Allied Publishers, Chennai<br><a href="#">P-ISBN: 978-81-8424-758-9</a>                      |
| 10    | <b>S. Anita Rashmi Priscilla, Keerthi Prakash</b> , G.Gnanavel | "Real time, Non invasive cerebral blood oxygenation monitoring device"                     | International Conference on "Computing and control Engineering (ICCCE – 2012)"                           | 12 <sup>th</sup> & 13 <sup>th</sup> April 2012  | Dr. M. G. R. Educational & Research Institute University, Chennai, Tamil Nadu; | Presented;<br>Published by Coimbatore Institute of Information Technology, Coimbatore;<br><a href="#">P- ISBN: 978-1-4675-2248-9</a> |
| 11    | <b>S.Ramya</b> , T.Rajalakshmi                                 | "A Novel Method to correct foot drop"  | International Conference on "Computing and control Engineering (ICCCE – 2012)"                           | 12 <sup>th</sup> & 13 <sup>th</sup> April 2012  | Dr. M. G. R. Educational & Research Institute University, Chennai, Tamil Nadu; | Presented;<br>Published by Coimbatore Institute of Information Technology, Coimbatore;<br><a href="#">P- ISBN: 978-1-4675-2248-9</a> |

#### Academic Year 2010-11

| SI No | Author(s) | Title of Paper | Conference Name<br>(with expansion) | Date/duration of conference | Institute Organizing / Place | Presented /Published/ Accepted |
|-------|-----------|----------------|-------------------------------------|-----------------------------|------------------------------|--------------------------------|
|-------|-----------|----------------|-------------------------------------|-----------------------------|------------------------------|--------------------------------|

| Sl No | Author(s)  | Title of Paper   | Conference Name (with expansion)  | Date/duration of conference                     | Institute Organizing / Place  | Presented /Published/ Accepted                                  |
|-------|--|--|---|---|---|---|
| 1.    | <b>Shankar N (Reg.No. 1650910031), Sapthagirivasan V, Vijay A (Reg.No. 1650910042), Kirthika K(Reg.No. 1650910013), Anburajan M ,</b>      | 'Evaluation of osteoporosis using radiographic hip geometry, compared with dual energy x-ray absorptiometry (DXA) as the standard, | Proceedings of IEEE International Conference on Systems in Medicine and Biology (ICSMB–2010)                    | 16-18 DECEMBER, 2010                            | ELECTRICAL ENGG, SCHOOL OF MEDICAL SCIENCE & TECHNOLOGY and IEEE KHARAGPUR SECTION                    | pp. 272-77, 2010;<br><b>ISBN: 978-1-61284-037-6/10 /\$26.00</b> |
| 2.    | <b>Shankar N (Reg.No. 1650910031), Kirthika K (Reg.No. 1650910013) Sapthagirivasan V, Vijay A (Reg.No. 1650910042), Anburajan M (2010)</b> | 'Hip Geometry Measurements using Radiographic Image Processing in the Assessment of Post Menopausal Osteoporosis',                 | Proceedings of First International Conference on Modeling, Control, Automation and Communication (ICMCAC–2010), | 20-21 December 2010                             | Department of Electronics and Instrumentation, Velammal Engineering College, Velammal Nagar, Ambattur | pp.241-245, 2010,<br><b>ISBN: 978-93-80697-35-2.</b>            |
| 3.    | <b>K.P. Libesh (Reg.No.1650910015), D. Ashok Kumar, M Anburajan</b>  | Estimation of Osteoporosis in Heel Using X-ray Images  | Proceedings of International conference in MAGNA on Emerging Engineering Trends ICMEET – 2K11,                  | April 11 <sup>th</sup> & 12 <sup>th</sup> 2011. |   | Page No. 493-499,<br><b>ISBN 978-81-906109-9-5</b>              |
| 4.    | <b>Archibald D (Reg.No. 1650910043), KrishnaManohar Vemula, Anburajan M, SivaKumar VPR</b>   | Portable Biofeedback Device For Rehabilitating Children With Scoliosis Between Ages Of 3-10 Years                                  | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011),                              | April 8-10 2011                                 | IEEE, Kanyakumari   | Page: V3 – 234 - 238,<br><b>ISBN: 978 -14244-8677-9</b>         |
| 5.    | <b>P U Ilavarasi (Reg.No. 1650910008), M Anburajan</b>   | Design and Finite Element Analysis of Mandibular Prosthesis  | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011),                              | April 8-10 2011                                 | IEEE, Kanyakumari   | Page: V3 – 325-329,<br><b>ISBN: 978 -14244-8677-9</b>           |
| 6.    | <b>A Vijay(Reg.No. 1650910042, N Shankar(Reg.No. 1650910031), C Aroba Sahaya Ligesh(Reg.No. 1650910041), M Anburajan4</b>                  | Evaluation of Osteoporosis using CT image of Proximal Femur Compared with Dual energy x-ray absorptiometry (DXA) as the Standard   | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011),                              | April 8-10 2011                                 | IEEE, Kanyakumari   | Page: V3 – 334-338,<br><b>ISBN: 978 -14244-8677-9</b>           |

| Sl No | Author(s)   | Title of Paper   | Conference Name ( with expansion)  | Date/duration of conference | Institute Organizing / Place | Presented /Published/ Accepted                                    |
|-------|---|--|--|-----------------------------|------------------------------|---|
| 7.    | <b>K. P Beenutty</b><br>(Reg.No.1650910003),<br>M Anburajan   | Simulation and Analysis of Aortic Bypass Surgery Using Computational Fluid Dynamics                                | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011), | April 8-10 2011             | IEEE, Kanyakumari            | Page: V3 – 339-343,<br><a href="#">ISBN: 978 -14244-8677-9</a>    |
| 8.    | <b>C Blessy</b><br>(Reg.No.1650910004),<br>M Anburajan ,<br>S Ramkumar  | Evaluation of Mandibular Reconstruction Plate using Finite Element Analysis  | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011), | April 8-10 2011             | IEEE, Kanyakumari            | Page: V3 – 344-349,<br><a href="#">ISBN: 978 -14244-8677-9</a>    |
| 9.    | <b>V Divya</b><br>(Reg.No.1650910006),<br>M Anburajan ,   | Finite Element Analysis Of Human Lumbar Spine  | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011), | April 8-10 2011             | IEEE, Kanyakumari            | Page: V3 – 350-354,<br><a href="#">ISBN: 978 -14244-8677-9</a>    |
| 10.   | <b>C Jamuna</b><br>(Reg.No.1650910009),<br>M Anburajan  | Design of Patient Specific Prosthetic Aortic Valve and to Study its Computational Fluid Dynamics                   | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011), | April 8-10 2011             | IEEE, Kanyakumari            | Page: V3 – 355-360,<br><a href="#">ISBN: 978 -14244-8677-9</a>    |
| 11.   | <b>N Shankar</b><br>(Reg.No.1650910031),<br><b>A Vijay</b><br>(Reg.No.1650910042),<br><b>Aroba Sahaya Ligesh</b><br>(Reg.No.1650910041),<br>Ashok Kumar,<br>M Anburajan | Comparison of Singh's Index with Dual energy x-ray Absorptiometry (DXA) in Evaluating Post-menopausal Osteoporosis | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011), | April 8-10 2011             | IEEE, Kanyakumari            | Page: V3 – 361-364,<br><a href="#">ISBN: 978 -14244-8677-9</a>    |
| 12.   | <b>C Aroba Sahaya Ligesh</b><br>(Reg.No.1650910041),<br><b>N Shankar</b><br>(Reg.No.1650910031),<br><b>A Vijay</b><br>(Reg.No.1650910042),<br>M Anburajan,              | Estimation of Bone Mineral Density from the Digital Image of the Calcaneum Bone                                    | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011), | April 8-10 2011             | IEEE, Kanyakumari            | Page: V3 – 365-369,<br><a href="#">ISBN: 978 -14244-8677-9</a>    |
| 13.   | <b>Saumya Soman</b><br>(Reg.No.1650910030)  | Finite Element Analysis of fractured finger with Implant fixation using MIMICS                                     | 2011 3rd International Conference on Electronics Computer Technology (ICECT 2011), | April 8-10 2011             | IEEE, Kanyakumari            | Page: V3 – 380-V3-385,<br><a href="#">ISBN: 978 -14244-8677-9</a> |
| 14.   | <b>Sahiti lahari M</b><br>(Reg.No.1650910026)   | Finite Element Analysis of Femur in the Evaluation of  | 2011 3rd International Conference on Electronics                                   | April 8-10 2011             | IEEE, Kanyakumari            | Page: V3 – ,<br><a href="#">ISBN: 978 -14244-8677-9</a>           |

| SI No | Author(s)                                | Title of Paper  | Conference Name<br>( with expansion)  | Date/duration of<br>conference | Institute Organizing / Place | Presented /Published/ Accepted                 |
|-------|--|---|---|--------------------------------|------------------------------|--|
|       |  | Osteoporosis  | Computer Technology (ICECT<br>2011),  |                                |                              |  |
| 15.   | <b>P Shweta<br/>(Reg.No. 1650910032)</b> | Finite Element Analysis Of<br>The Skull Implant Using<br>Ansys Software | 2011 3rd International<br>Conference on Electronics<br>Computer Technology (ICECT<br>2011), | April 8-10 2011                | IEEE, Kanyakumari            | Page: V3 – ,<br><b>ISBN: 978 -14244-8677-9</b> |