



**VIVEKANANDHA COLLEGE OF ENGINEERING FOR  
WOMEN**

(Autonomous Institution, Affiliated to Anna University, Chennai)  
Elayampalayam, Tiruchengode – 637 205



**Department of Electronics & Communication Engineering**  
**Staff Publications- 2016-2017**

S.NO	NAME OF THE FACULTY	NAME OF THE JOURNAL	TITLE	VOLUME & YEAR
1	Dr.D.Sasikala	International Journal of Computing and Technology	Design of Internal Startup Circuit for Implantable Pacemakers using Energy Harvesting Technique	Vol.-3 Issue-11 ISSN: 2348-6090 2016
2	Dr.D.Sasikala	International Journal of Computing and Technology	Design of Digital Circuits for ECG Data Acquisition System	Vol.-3 Issue-11 ISSN: 2348-6090 2016
3	Dr. V.M.Senthil Kumar	Asian Journal of Information Technology	Design of a Reduced Carry Chain Propagation Adder Using FinFET	Vol.-15 Issue-11 ISSN: 1682-3915 2016
4	Dr. V.M.Senthil Kumar	Middle East Journal of Scientific Research (Techniques and Algorithms in Emerging Technologies)	Design and Implementation of Low Power Finfets Using Adiabatic Logic	Vol.-05 Issue-6 ISSN: 1990-9233 2016
5	Dr. V.M.Senthil Kumar	Middle East Journal of Scientific Research (Techniques and Algorithms in Emerging Technologies)	Super Threshold FinFET Circuits Based on Pass Transistor Adiabatic Logic-2N Operating Region	Vol.-05 Issue-6 ISSN: 1990-9233 2016
6	Mr. V. Karthikeyan	Middle-East Journal of Scientific Research	A Novel Design of Low Energy Oscillator Based Ultrasound Sensor Edge for Intravascular Applications with CMUT Technology	Vol.-24 Issue-11 ISSN: 1990-9233 2016

7	Mr. V. Karthikeyan	Life Science Journal	Analysis and Novel Performance of Long and Short Shunt Self Excited Generators with Natural Energy Generation	Vol.-13 Issue-12 ISSN: 1097-8135 2016
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8	Mr. M.Balasubramani	International Journal of Computing and Technology	Design of Multiplier Using CMOS Technology	Vol.-3 Issue-11 ISSN: 2348-6090 2016
9	Dr.Nirmala	Asian Journal of Information Technology	Implementation of Discrete Wavelet Transform in SoC Using Vedic Mathematics	Vol.-11 Issue-6 ISSN: 1990-9233 2016
10	Mr. R.Prabhakar	International Journal of Computing and Technology	Low Power Three-Input XOR/XNOR with Systematic Cell Design Methodology	Vol.-11 Issue-6 ISSN: 2348-6090 2016
11	Ms.M.Hemalatha Ms.P.Dhivya	International Journal on Engineering Technology And Sciences	Low Power Energy Efficient Flip Flop Design Using Threshold Logic	Vol.-3 Issue-11 ISSN: 2349 - 3976 2016
12	Mr. G.Yuvaraj	International Journal of Communicational Engineering Research	Reduced Energy Min-Max Decoding Algorithm for LDPC Code with Adder Correction Technique	Vol.-6 Issue-11 ISSN: 2250-3005 2016
13	Mr. S.Gnanamurugan	International Journal of Computing and Technology	Designing of High Performance Carry Select Adder Using CMOS	Vol.-3 Issue-11 ISSN: 2348-6090 2016
14	Mr. V.Karthikeyan	International Journal of Advanced Engineering and Global Technology	Review of Ultrasound Transducers for Medical Applications with CMUT Implementation	Vol.-3 Issue-5 ISSN: 2309-4893 2016
15	Mr. P.Nagarajan	International Journal of Engineering Development and Research	Design and Implementation of Algorithmic Based Fault Tolerant Using Hamming Codes	Vol.-4 Issue-4 ISSN: 2321-9939 2016

16	Mr. T.Jayasimha	ISRO Journal of Electronics and Communication Engineering	Dual Gate MOSFET Methodology to Design PASTA	Vol.-11 Issue-6 ISSN: 2278-8735 2016
17	Dr.D.Sasikala	Advances in Natural and Applied Sciences	ECG Front End Data Acquisition System with CMOS Technology	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
18	Dr.D.Sasikala	Advances in Natural and Applied Sciences	Thermal Energy Yielding Technique for Health Applications Using Startup Boost Converter	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
19	Dr.V.M.Senthil Kumar	Advances in Natural and Applied Sciences	Design A Fin FET Based 4-2 Compressor for Arithmetic Operation	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
20	Dr.V.M.Senthil Kumar	Advances in Natural and Applied Sciences	Design A Full Adder Based GDI Logic Using FinFET Technology	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
21	Mr. V.Karthikeyan	Advances in Natural and Applied Sciences	A Squat Energy Oscillator Based Readout Edge with CMUT Technique for Medicinal Applications	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
22	Mr. G.Yuvaraj	Advances in Natural and Applied Sciences	A Decoding Algorithm for Reducing the Complexity Using LDPC Code with Low Error Correction Technique	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
23	Mr. R.Prabhakar	Advances in Natural and Applied Sciences	CMOS Design for Low Power Three-Input XOR/XNOR using Systematic Cell Design Methodology	Vol.-11 Issue-6 ISSN:1995-0772 April -2017

24	Mr. S.Gnanamurugan	Advances in Natural and Applied Sciences	A high-Performance Energy Efficient Carry Select Adder using 32nm CMOS Technology	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
25	Ms.P.Dhivya	Advances in Natural and Applied Sciences	Design Of An Area Efficient Standard Cell Using Threshold Logic NNOR Cell	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
26	Mr. T.Jayasimha	Advances in Natural and Applied Sciences	Power Analysis By Combining The Modules PASTA Using DGMOSFET	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
27	Mr. M. Balasubramani	Advances in Natural and Applied Sciences	Design and Implementation of Multiplier Using CMOS Adiabatic Logic	Vol.-11 Issue-6 ISSN:1995-0772 April -2017
28	Mr. M.Thirupathi	Advances in Natural and Applied Sciences	Design Of A Low Power Multimode Adder For 32-Bit Pipelined Mips Processor	Vol.-11 Issue-6 ISSN:1995-0772 April -2017