



**Managing Editor Board**

- ❖ Dr. B. D. Venkataamana Reddy  
Dept.of ECE, MITS, A.P, India
- ❖ Dr. Mohsin khan  
Rural Education and Development Foundation, Pakistan
- ❖ Dr. S.Sasikumar  
ANNA university, India
- ❖ Dr. P. Karthigaikumar  
Karunya University, India
- ❖ Dr. Rania Ahmed  
jazan university, Egypt
- ❖ Dr. Roukhe Hassane  
Ismac, Malaysia
- ❖ Dr. Aleksandr Cariow  
West Pomeranian University of Technology, Szczecin, Poland
- ❖ Dr. Swapnadip De  
Jadavpur University, India

**Contact Us**

Website URL : [www.iosrjournals.org](http://www.iosrjournals.org)  
Email : [iosrjournals@gmail.com](mailto:iosrjournals@gmail.com)  
[Support@iosrmail.org](mailto:Support@iosrmail.org)



**Qatar Office:**

IOSR Journals  
Salwa Road  
Near to KFC and Aziz  
Petrol Station,  
DOHA, Qatar

**India Office:**

EHTP, National Highway  
8, Block A, Sector 34,  
Gurugram, Haryana  
122001

**Australia Office:**

43, Ring Road,  
Richmond Vic 3121  
Australia

**New York Office:**

8th floor, Straight hub,  
NS Road, New York,  
NY 10003-9595

IOSR-JVSP

**Contents :**

- |   |       |
|---|-------|
| Investigating the Effectiveness of Current Monitoring Methods to Detect Bridging and Stuck-Open Faults in CMOS Circuits<br><i>S. M. Ishraquul Huq, Baizeed Ahmed Bhuiyan, Mushfiqul Ahmed</i> | 01-07 |
| Review on Image Encryption/Decryption using AES Algorithm for Hardware Accelerator Design and Implementation<br><i>Deeksha P, Suchitra M, Mokshith B, Sharath Kumar K, Ayaz Jaffar</i>        | 08-19 |
| Automatic Detection of Cardiac Arrhythmia through ECG Signal Analysis: A Review<br><i>Gopisetty Ramesh, D. Satyanarayana, M. Sailaja</i>  | 20-31 |
| New Techniques Used for Image Enhancement<br><i>Imtiyaz Ahmad Reshi</i>   | 32-36 |
| Process-Simulation-Flow And Metrology of VLSI Layout Fine-Features<br><i>George P. Patsis</i>   | 37-42 |
| VHDL-AMS Macro models of MOSFET. Consideration of Gate Length Variability And Single-Electron-Transistors<br><i>George P. Patsis</i>  | 43-47 |
| Automatic Detection of Cardiac Arrhythmia Through ECG Signal Analysis: A Review<br><i>Gopisetty Ramesh, D. Satyanarayana, M. Sailaja</i>  | 48-59 |