

**Managing Editor Board**

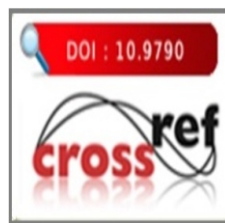
- ❖ Dr. Mohammed Golam Sarwar Bhuyan  
Computer Science & Engineering, Bangladesh
- ❖ Dr. Siles Balasingh  
Anna University, Tanzania
- ❖ Dr. M V Raghavendra  
Adama Science & Technology University, Ethiopia
- ❖ Dr. Amber  
DCW, Pakistan
- ❖ Dr. Thabet Slimani  
Taif university, Tunisia
- ❖ Dr. Luiz Panhoca  
Universidade Federal do Parana (UFPR), Brazil

**International Editorial Board**

- ❖ Dr. Ibrahim Adepoju ADEYANJU  
Ladoke Akintola University of Technology, Nigeria
- ❖ Dr. Yasmin Ahmad  
DIPAS,DRDO, India
- ❖ Dr. Miraj khan  
pakistan engineering council, islam abad, Pakistan
- ❖ Dr. Morcouc  
FCI, Egypt
- ❖ Dr. Ogirima Sanni Abubakar Omuya  
Educational Institution, Nigeria
- ❖ Dr. Keny Thomas Lucas  
Xavier Institute of Polytechnic and Technology, 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:**

IOSR Journals  
SC-89 A, Shastri Nagar,  
Ghaziabad, UP,  
India

**Australia Office:**

43, Ring Road,  
Richmond Vic 3121  
Australia

**New York Office:**

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



**Contents:**

Smart Grid using Node MCU <i>Mr. Manoj Kumar, Aditya Pratap</i>	01-05
Lecturers' perceptions on the use of educational Apps: The Ghanaian context <i>John Kani Amoako, Yogesh Kumar Sharma</i>	06-10
Cloud Computing Resources Impacts on Heavy-Load Parallel Processing Approaches <i>ZainabSalih Ageed, Mayyadah R. Mahmood, Mohammed M. A. Sadeeq, Maiwan B. Abdulrazzaq, Hivilsmat Dino</i>	13-24
Adaptive Control for Robot Based On Backstepping Technique and Sliding Mode Control <i>Nguyen Thi Oanh, Mai Thi Kim Anh</i>	25-35
Patient-Centric Cloud-Based EHR System for Government Hospitals in Developing Countries <i>I. A. Ogbodo, F. S. Bakpo</i>	36-44
RMI Based Distributed Research Information Management and Usage: In case of Debre Markos University Burie Campus <i>Robel Mamo</i>	45-50
Survey and performance analysis of Machine learning based Intrusion detection approaches in wireless sensor networks <i>Seema M. Shinde, Yeshwant Mahavidyalaya. Nanded, Dr. Thorat S.B., Miss. Tazeen Khan, Dr. Pravin Tamsekar</i>	51-58