



**IOSR Journals**

International Organization  
of Scientific Research

# IOSR Journal of Electrical and Electronics Engineering

e-ISSN : 2278-1676

Volume: 16 Issue: 6 Series-1

p-ISSN : 2320-3331

W  
E  
E  
E  
T  
R  
S  
I  
O

## Contents:

<b>Research for manufacturing braces for heart disease</b> <i>Kim Nhi Vu Thi, Thi Van Phung, Ngoc Oanh Le Thi</i>	01-04
<b>Linear model for the variation of semiconductor bandgap with high temperature for high temperature electronics</b> <i>Dr. Ravi Kumar Chanana</i>	05-08
<b>Air Conduit Disinfectors Using Ultraviolet C-band Light-Emitting Diodes</b> <i>Jianping Zhang, Ling Zhou, Ying Gao, Maria Topete, Alexander Lunev, Frank Harder, Michael Krames</i>	09-15
<b>Adaptive Speed Control of Permanent Magnet Brushless DC Motor by Implementing PSO Algorithm</b> <i>Suraj R. Kamde, Meghraj S. Morey</i>	16-25
<b>A second look at the derivation of the average oxide fields in a charged metal-oxide-semiconductor device</b> <i>Dr. Ravi Kumar Chanana</i>	26-29
<b>IOT-Based Rotating Beacon Current and Voltage Monitoring Design Using Nodemcu Via Blynk Application At International Airport in Indonesia</b> <i>Rusman, Ahmad Bahrawi, Amalia Resky Hasniati</i>	30-37
<b>Energy Resource Allocation for a Rural Microgrid: Comparison Using Linear and Nonlinear Optimization Approaches</b> <i>Yuvraj Praveen Soni, Eugene Fernandez, M. Mustafa Kamal, mtiaz Ashraf</i>	38-47