

Journal Of Harmonized Research Publications

A proceeding of National Conference for Students in Electrical and Electronics Engineering (NCSEEE 2014)

Table of Content



IEEE Students' Branch- VIIT

Organized By

IEEE Students' Branch of

Vishwakarma Institute Of Information Technology

Sr. No.2/3/4, Kondhwa(Bk), Pune

In association with*

Students Welfare, University of Pune

Ganeshkhind, Pune-7

- Title:** FRUIT GRADING AND SORTING SYSTEM USING IMAGE PROCESSING
Author: Revati Sathe, Bhagyashri Rangari, Shricheta Bardhan
Keyword: Fruit Grading and Sorting System
Page No: 01-06
- Title:** 3D RECONSTRUCTION USING LASER CAMERA O3D2001
Author: Sahil Agarwal, Chinmayi Bidve, Ashwini Bodade
Keyword: 3D camera, O3D200, 2D camera, 3D view, interpolation, correspondence, volume, reconstruction
Page No: 07-08
- Title:** MIMICRY ENGINE, USING KINECT
Author: Onkar Borgaonkar, Avinash More, Garima Goyal, Abhijeet Nirmal
Keyword: DTW (Dynamic Time Warping), depth sensing, joint angles, time variant, similarity
Page No: 09-14
- Title:** NETWORK TRAFFIC CLASSIFICATION USING ARTIFICIAL NEURAL NETWORK (ANN)
Author: Rohit Khandelwal, Abhinav Srivastava, Md.Ejaz Uddin
Keyword: Artificial Neural Network (ANN), Denial of Service (DoS), Internet Control Message Protocol (ICMP)
Page No: 15-19
- Title:** UNINTERRUPTIBLE POWER SUPPLY USING BIDIRECTIONAL CYCLOCONVERTER
Author: Snehal Rajendra Betale, Saurabh Sunil Balwant
Keyword: Cycloconverter
Page No: 20-24
- Title:** FUSION OF PALM VEIN AND PALM PRINT FEATURES FOR PERSON IDENTIFICATION
Author: Esha Shah, Samruddhi Ponkshe, Shreelekha Mandhare
Keyword: Biometrics, Matched filter
Page No: 25-29
- Title:** EXTRACTION OF FIDUCIAL POINTS FROM ECG SIGNAL USING DWT
Author: Tejashri Gharat, Triveni Menon, Nikita Wasnik
Keyword: Electrocardiogram, fiducial points, DWT, Multi-Layer Perceptron
Page No: 30-35

A proceeding of

National Conference for Students in Electrical And Electronics Engineering (NCSEEE 2014)

www.johronline.com

i | Page



8. **Title:** DESIGN AND IMPLEMENTATION OF ARM BASED EMBEDDED WEB SERVER USING LINUX
Author: Pravin Pokharkar, Sandesh Rane, Sanket Phapale
Keyword: ARM9, CGI technology
Page No: 36-41
9. **Title:** SECURE DATABASE USING GPGPU
Author: Arvind Pawar, Avadhut Sonawane, Nikhil Jamdar, Siddharth Shingavi
Keyword: Graphics Processing Unit; Database Security; Dynamic Parallelism; Advanced
Page No: 42-48
10. **Title:** VERTICAL HANDOVER IN HETEROGENEOUS NETWORK
Author: Punit Vajpeyi, Chetanraj Kadam, Priyanka Bhavsar, Upasana Raj
Keyword: Vertical Handover (VHO), Point Of Attachment (POA), Multiple Attribute Decision Making MADM,
Page No: 49-54
11. **Title:** FPGA BASED POWER FACTOR CORRECTION IN DC MOTOR DRIVE
Author: Nachiket Choudhary, Abhishek Yeole, Vaibhav Peshwe
Keyword: Power factor correction, PWM signal, FPGA, Boost Converter, Buck converter
Page No: 55-57
12. **Title:** BLOOD VESSEL SEGMENTATION IN RETINAL FUNDUS IMAGES USING MATCHED FILTER
Author: Priyanka Yadao, Sayali Naval, Animesh Maheshwari
Keyword: Diabetic retinopathy, Vessel segmentation, GMF, Kirsch Template, DRIVE
Page No: 58-61
13. **Title:** CREATION OF A PRIVATE CLOUD FOR COLLEGE USING COMMODITY HARDWARE
Author: Karan Singh Hundal, Puneet Madhavan, Darshan Oswal
Keyword: Cloud computing, cluster computing
Page No: 62-68
14. **Title:** ANDROID BASED FUZZY INFERENCE SYSTEM TO CONTROL THE FAN SPEED.
Author: Akash Borate*, Ketan Bhapkar, Darpan Sharma
Keyword: Fuzzy Inference System (FIS), Android, application ('Apps), Fuzzy Logic (FL)
Page No: 69-74
15. **Title:** TRIGGERING FASTER AUTOMATED DOWNLOADS ON A WLAN USING MULTITHREADING AND THE JXTA PROTOCOL SUITE
Author: B.A. Pimpale, H. F. Surve, S.H. Lonkar, S.R. Kharage
Keyword: Wireless Networking, WLAN, P2P, JXTA, multithreading
Page No: 75-79
16. **Title:** SURVEY ON ASSOCIATION RULE MINING USING "APRIORI" ALGORITHM
Author: Pramod B Warale, Yogesh S Khaladkar
Keyword: Association rule, Data mining, Apriori algorithm, Support, Confidence
Page No: 80-86
17. **Title:** ODOUR DETECTION: AN OVERVIEW OF SENSORS AND ITS PRESENT APPLICATIONS AND A FUTURISTIC APPROACH
Author: Dhvani Kariya, Sundaresan Iyer, Harshali Bhattad
Keyword: Smell Detection, Electronic nose, Gas Chromatography, Sensors, Applications
Page No: 87-95
18. **Title:** PATTERN BASED SECURITY USING MACHINE LEARNING TECHNIQUES
Author: Anagha Khati, Auzita Irani, Naba Inamdar, Rashmi Soni
Keyword: KDD CUP99, intrusion detection, semi-supervised learning, unsupervised learning, supervised learning
Page No: 96-101
19. **Title:** MICROCONTROLLER AND ITS APPLICATION FOR ENERGY CONSERVATION AND VISITOR COUNTER.
Author: Varad Pai, Aniket Kokare
Keyword: Micro-controller
Page No: 102-107



20. **Title:** TRACING OBJECTS USING HC05 BLUETOOTH AND GPS
Author: Divya Tyagi, Sagar Giri
Keyword: GPS, HC05Bluetooth,Atmega16, LCD
Page No: 108-111
21. **Title:** DISPLAY UNIT FOR DATA ACQUISITION AND DATA LOGGING SYSTEM WITH USB INTERFACE
Author: Shraddha Ghatol, Rupali Jadhav, Priyanka Khot
Keyword: Display unit, seven segment display, solar panel display, USB interface, Data acquisition display unit
Page No: 112-115
22. **Title:** FACE DETECTION AND RECOGNITION USING VIDEO STREAM
Author: Tanmay Nalawade, Pankaj Patil, Ram Shah
Keyword: Face detection, RGB converted to HSV, principal component analysis, Eigen faces
Page No: 116-119
23. **Title:** TRAFFIC SIGNAL SYNCHRONIZATION USING VIDEO STREAMING
Author: Priya Thakur, Shruti Wankhade, Gayatri Wavhal
Keyword: Thresholding, shadow removal, LAB color space
Page No: 120-125
24. **Title:** AN ANOMALOUS REAL-TIME INTRUSION DETECTION SYSTEM USING MACHINE LEARNING ALGORITHM
Author: Deepak C Mahajan, Sanket A Sancheti, Prasad R Jadhav, Atul M Nikhade, Sharmila K Wagh
Keyword: Real Time Intrusion Detection System (RTIDS), Machine Learning Techniques, Anomaly Detection, False Alarm Rate (FAR)
Page No: 126-132
25. **Title:** MULTIFOCUS IMAGE FUSION USING WAVELET TRANSFORM
Author: Suveli Bhute, Mugdha Ambardekar, Kaiyani Deshmukh
Keyword: PSNR, MSE
Page No: 133-136
26. **Title:** CTI-IVR BASED ONLINE ORDERING SYSTEM
Author: Shrutika Gaikwad, Aniket Jadhav, Krushna Chandak, Pranita Doke
Keyword: IP-PBX- Internet Protocol-Public Branch Exchange, SIP- Session Initiation Protocol,
Page No: 137-140
27. **Title:** CUTTING TOOL WEAR MEASUREMENT USING IMAGE PROCESSING TECHNIQUES
Author: Isha Tawade, Pradnya Shingade, Tanu Thakur
Keyword: flank wear (Vb), tool life, morphological operations, scaling, reference line, base line
Page No: 141-146
28. **Title:** FACE DETECTION USING COST SENSITIVE ADABOOST ALGORITHM AND SKIN COLOR SEGMENTATION. (WITH PROBABILISTIC MULTIPPOSE FACE DETECTION)
Author: Atul Dhattrak, Anand Karandikar, Somnath Thorave, Ajit Zagade
Keyword: Cost Sensitive AdaBoost algorithm, multipose, Haar feature extraction.
Page No: 147-152
29. **Title:** MODELING OF ULTRASONIC SYSTEM
Author: Apurva Y. Gandole, Omkar S. Ghatpande, Tushar R. Jadhav
Keyword: Simulation, Ultrasonic, Transducer
Page No: 153-161