Table of Contents

1. Automatic Fracture Detection in Bone Images 1-4
Narayanaswamy G and Bindu A Thomas

2. Human Identification based on Iris Recognition and Segmentation 5-9
Gayathri S, Priya B, Aishwarya Cholin, Darshan Deepak Chelkar and Arun N

3. Combined Approach of Image Enhancement and Wavelet Feature Extraction for Plant Leaf Classification 10-17
Anusha Rao and Kulkarni S B

4. Design of Electronic Actuation Control Unit with Ultra Capacitors as the Embedded Energy Back up for Mechatronic Applications 18-23
Ramya K R and Madhu B M

5. Development of Language models for Voice Controlled Micro Air Vehicle (MAV) 24-28
Lakshmi P, Arpana R, Veena S, Sandhya Lakshmi R and Sunil Kumar S Manvi

6. Noise Robust Automatic Speech Recognizer for Voice Controlled Micro Air Vehicles 29-33
Chaitra K N, Veena S, Rahul D K, Sandhya Lakshmi R and Anjan Kumar B S

7. Cognitive Radio does wonders to VANET 34-45
Ankita Singh and Srikanth Kamath H

8. Smart Courier Box 46-50
Mahadevaswamy U B, Abhishek S, Arun S, Bharadwaj and Karthik R Hegde

9. A Survey on Facial Expression Recognition using DIP Techniques 51-58
Priyanka A Gavade and Vandana S Bhat

10. MOEMS based Micro Displacement Sensor for Anti-Theft Device in Vehicle Security System 59-66
Parvati Shivapur, Anup M Upadhyaya and Preeta Sharan

11. Implementation of VANET based Accident Detection System 67-72
Rakesh K R, Ojashwini R N and Greeshma N D

12. PLCs based Remote Laboratory Platform for Learning Electrical Drive Control Applications 73-76
Ramya M V, Purushothama G K and Prakash K R

13. Design and Simulation of Hybrid Circuits for LNA used in Wimax Applications 77-84
Girijamba C R and Sathisha R N

14. An Overview of the International GNSS Service (IGS) 85-89
Kutubuddin Ansari, Ozsen Corumluoglu, Payal Verma and Vladimir Sergeevich Pavelyev

15. Impact of Substrate Thickness on Patch Antenna Performance 90-96
Manjunath R K, Sumana P Rao, Harshitha M and Saraswathi M

16. A Comparative Analysis of Vernier Delay Line TDC based on Resolution, Area, Power and Conversion Time 97-106
Shreesha S and Mahaveera K

17. FPGA Implementation of OFDM SDR 107-114
Prabhudev B L, Shashidhara H R and Siddesh G K

18. Design of High-Speed FPGA based Data Acquisition System 115-120
Sneha U, Manoj P and Nagamani K

19. Driver Alertness Ensuring System 121-129
Mahadevaswamy U B, Anil Manjunath Hegde, Kartik Shet, Pavan P S and Lanchana K

20. Automatic Inspection of Food Packet Labels using Image Processing 130-135
Divyashree D R, Suresh K V and Sachin K J

21. Cloud Computing Security Breaches in Bare Metal Hypervisors 136-140
Manasamithra P and Prasana B T

22. Design and Development of Virtual Keyboard 141-145
Mahadevaswamy U B, Vinod Kumar P, Gurusiddesh V Nidasesi, Pratheek Naidu K, Rakesh and Vijayakumar

23. Speech Corpus Development for Speaker Independent Speech Recognition for Indian Languages 146-151
Amaresh P Kandagal and Udayashankara V

24. Smart Electronic Driver Assistance Aid 152-159
Yeshwanth Yuvaraj M, Tejas V, Srinath N K, Shanthkumar R and Kavitha T

25. Development of GMM-UBM based Biometric System using Electromyogram Signals 160-166
Suresh M, Mallikarjun S Holi and Rudresh M D

26. Hall Effect Sensor for Energy Measurement 167-171
Arpana Kori, Shweta N M and Kishore C

27. Implementation of Adhoc communication in D2D technology using Android Mobiles 172-186
Senan Ali Abd, Manjunath S S and Sayed Abdulhayan

28. Feature Extraction and Classification of Overlapping Cervical Cancer Cells using Convolutional Neural Networks 187-190
Seema Singh, Aaron Joseph, Elsa Mathew, Veena A and Deepak Yadav

29. Cadence based Imlementation of Successive Approximation ADC using 45nm Cmos Technology 191-196
Abhilash G, Chaithanya Lakshmi S, Elayaraju V and Umamaheshwari P R

30. Phase Locked Loop using Standard Cell in 45nm CMOS Technology 197-202
Chandra Shekar P, Priyanka H M, Prokshith S and Sushmitha K B

31. Undersampling Pattern for Compressive Sampling MRI 203-206
Vidya G, Shrividya G and Bharathi S H

32. Database Evaluation of ECG Fingerprint and Face Multimodal Biometric System 207-215
Raju A S and Udayashankara V

33. Enhanced Performance Analysis of Active Filter over Passive Filter in Power Quality Issues 216-223
Sandhya P and Nagaraj R

34. Design of Lens Antenna for Low Terahertz Application 224-228
Akshaya, Megha Dilipakumar and Rakesh K R

35. Implementation of Stereo Visual Odometry Estimation for Ground Vehicles 229-235
Pavan Kumar U, Sahul M P V and Venkatesh Murthy B T

36. Design and Implementation of IOT based Rodents and Greenhouse Monitoring in Agriculture 236-242
Mohd Nabeel Tayyab and Shivaprasad Yadav S G

37. Intelligent Oil Spill Detection in Ocean using Internet of Underwater Things 243-247
Abhijith H V, Deepak Raj S and Ramesh Babu H S

38. Power Aware Routing Protocol for Mobile Ad Hoc Network using Cluster Head Selection 248-251
Umama Shireen Raje and Suresh H N

39. Prevention of Illegal logging of Trees using IOT 252-256
Harshita Jain and Abhijith H V

40. V/f Control of Three Phase Induction Motor using 7-Level Cascaded H-Bridge Inverter 257-262
Chinmayi and Shivaleelavathi B G

41. Low Power and Area Optimized BASK Modulators for Optical Communication 263-270
Usha S M and Nataraj K R

42. Array-based Graphical Password Authentication 271-275
Ritu P Simha, Sri Nithya S, Sneha P K, Rabichith and Surekha Borra

43. Detection of Variation in Ventricular Depolarisation in ECG Signal: A Review 276-280
Anitha S Prasad and Jayaram M N

44. A Study of Acoustic Characteristics, Prosodic and Distinctive Features of Dysarthric Speech 281-287
Latha M, Shivakumar M and Manjula R

45. Heterogeneous Laxity-based Improved Task Scheduling for DAG-based Heterogeneous Computing 288-294
Rashmi Basavaraddi and Arshiya Sultana

46. Efficient Pre-Processing of 2D Gel Electrophoresis Images using Fast Independent Component Analysis 295-299
Sweekar Sudhakara and Sagar Sudhakara

47. FPGA Execution of USB Transceiver Macrocell Interface with USB 2.0 particulars 300-306
Vinod Kumar C and Naveen Kumar M

48. Detection of Diabetic Retina using Vascular Skeleton and its Fractal Dimension 307-311
Soumya L M and Renuka B S

49. Blu-Ray Media Decryption on MAGIK Board based on I.MX6 Processor 312-316
Revathi S and Chaitra C

50. Detection of Lung Nodules from CT Images using Image Processing Techniques 317-323
Swathi H K and Nanda S

51. Design and Simulation of Long Haul, High Capacity Dense WDM System in the Presence of Nonlinear Effects 324-330
Soukhya G Bhat, Shreehitha M U, Shwetha M and Venkatrao P

52. Comprehensive Study of Different ROF Modulation Schemes in Optical Fiber Communication 331-337
Srinivas Babu P and Prahlad T Kulkarni

53. Design of Gratings for Gain Equalization in WDM Optical Link 338-345
Ashwini N, Kavya G S, Rashmi B R and Venkatrao P

54. Smart Real-Time Healthcare Monitoring and Tracking System based on IOT 346-354
Vijay Kumar K O and Udayashankara V

55. Image Steganography over Crypted Text using Two Factor Verification 355-360
Basamma and Shilpashree P S

56. Computer-Aided Design and Simulation of TiO2 Micro-Ring Resonator 361-366
Payal Verma, Degtyarev S A, Reddy A N K, Fomchenkov S A, Pavelyev V S and Khonina S N

57. A Comparative Study between Half-Wavelength and Stepped Impedance Resonator based Microstrip Band-Pass Filters 367-372
Beena Balakrishna, Lekana C L, Radhika Rao, Sanjana Gupta and Bhagya R

58. Implementation of Energy Detection Technique for Spectrum Sensing in Cognitive Radio using NS3 373-381
Nandini K S, Nagashamitha M, Nimmy Babu, Rakshitha R Shetty and Ranjitha B L

59. High Efficient Proposed MPPT Algorithm Applied to PV Integrated UPS 382-391
Divyashree T M and Suresha C

60. Survey of Resource Allocation Techniques in Cooperative Communication 392-397
Usha Padma, Kumaraswamy H V and Ravi Shankar S

61. A Performance Analysis on Cloud based Mobile Augmentation in Mobile Cloud Computing 398-403
Sindhu K and Guruprasad H S

62. Enhancing AES Algorithm with Delay Optimization to Reduce Power Analysis Attack 404-409
Lavanya V, Meghana K S, Sahana H R, Radhakrishna M and Vijaya Kumar T

63. Self-Dependent Tool for Quadriplegic Patient using Home Automation 410-416
Mahalingaswamy A M, Shashidhar R, Santhosh Kumar R and Roopa M

64. Automated Prepaid Auto System 417-424
MahadevaSwamy U B, MadhuSudhan N, Divya G M and Manasa

65. Depression Identification by using PHQ-9 and SVM Classifier 425-431
Mallikarjun H M, Manimegalai P and Suresh H N

66. Design and Implementation of Dual Frequency, SDCM Corrections for GNSS 432-437
Pooja A and Pratibha B A

67. Slantlet Transform based Data Compression and Reconstruction Technique Applied to Power Quality Signals 438-444
Lavanya M R, Rudresh M D and Nagendra Prasad S

68. Assessment of Hearing Perception in Occupationally Exposed Human Beings based on Gap Detection Test and Frequency Response Test 445-451
Sanjay H S and Bhargavi S

69. Effect of Enhanced Trilateration Algorithm on Positioning Accuracy 452-456
Shivashankara and Kalpana H M

70. Analysis of Integrated Optical Structure for Sensor Applications 457-462
Raganna A, Bharathi S H and Pavan Kumar U

71. Study and Analysis of Speech Disfluency for Real Time Applications 463-470
Vinay N A and Bharathi S H

72. Modified Marker Controlled Watershed Algorithm for the Segmentation Brain MR Image 471-475
Sreerangappa M and Jayadevappa D

73. A Survey on Diagnosis of Diabetic Peripheral Neuropathy 476-481
Praveen P and Mahesh Kumar D

74. Synthesis of a Thinned Planar Antenna Array with Maximum Reduction in Peak Side Lobe Level using Modified Binary Coded Genetic Algorithm (MBC-GA) 482-488
Yetish Reddy K, Bharath Kumar R, Jijenth M and Manju Devi

75. A Comparative Study between the BER Plot and PAPR Reduction Plot using the PTS Method and Concatenated Operation of Convolution Encoding, DCT and PTS Method in the OFDM System 489-494
Bhargavi S and Gayathri K M

76. Trustworthy Collaborative Investigation System for Match Fixing in Cricket using Spectator Voting Scheme 495-500
Ananthapadmanabha K and Udayakumar K

77. Design, Implementation and Comparison of Different QAM Techniques using Cadence 180nm Technology 501-508
Chandra Shekar P, Karthik M, Maram Reddy Jahnavi, Pallavi B S and Rubiya Sultana

78. Mutual Coupling Reduction using High Impedance Surfaces 509-512
Kavya G and Sujatha M N

79. Detection of Flooded Areas from Multi-Temporal SAR Images using different Image Enhancement techniques–A Comparison 513-518
Preethi Sharma K, Anuradha H, Bindu A, Bindu S and Deepa S

80. Designing of Lab-On Chip using Photonic Crystal Biosensor in the Detection of Glycerol and Glucose Concentration for Various Applications 519-522
Yadhu Krishna M, Venkatesh D S, Supriya H P and Preeta Sharan

81. Zernike Moments with Contourlet Transform for Content based Image Retrieval 523-528
Satish Tunga, Jayadevappa D and Gururaj C

82. Filter Bank Realization of Discrete Wavelet Transform based Multiband Dynamic Range Control for Audio 529-535
Lavanya C and Arvind H S

83. Vision based Automatic Parking System 536-539
Mohanasundaram N, Siddesh G K and Shashidhara H R

84. Design of Functional Electrical Stimulation System 540-544
Vineet Bhojwani, Varuna Upadhyaya M L, Puneeth Kumar Mypadi U R and Mahendra S J

85. Iris Diagnosis – A Quantitative Non-Invasive Tool for Diabetes Detection 545-551
Mithun B S, Sneha R, Vinay Raj K, Basavaraj Hiremath and Ragavendrasamy B

86. Identification of Efficient Patterns for the Detection of Lung Cancer 552-556
Guna Shekar K, Pancham Bopanna D, Jayvardhan Chetty C, Basavaraj V Hiremath and Prasannakumar S C

87. Multimodal Biometric Database and its Privacy Protection 557-564
Raju A S and Udayashankara V

88. IoT based Health Monitoring System 565-569
Sumalatha V and Biradar R C

89. Covert Transfer of Biometric Data using Steganography 570-574
Srinidhi G A and ShivaKumar K B

90. RFID and GSM based Ration Dispensary System 575-580
Rakshitha R and Bharathi S H

91. A Survey on Quality of Service Aware Energy Efficient Routing Protocols in MANETS 581-585
Shashi Raj K and Siddesh G K

92. Embedded, Real-Time Acquisition and Control System for Functional Validation of Automotive Spring Evaluation System 586-591
Nikitha H R and Shivakumaraswamy P M

93. PC to PC File Transmission using Li-Fi Technology 592-597
Rakesh K R, Dhanalakskmi C N, Pavithra Abro J and Pavithra H D

94. Assessment of Automotive RADAR SIL Data Validity by Correlation Methods 598-604
Rajesh R, Aravindh G, Ramya H R and Sindhura B

95. Implementation of CAN Protocol for Handling Industrial Parameters 605-609
Preethi A R and Dilna U

96. Emotion Recognition using Deep Neural Network 610-615
Devdarshan K R, Mounica K V, Kumaraswamy R and Suryakanth V Gangashetty

97. CORDIC Architectures: A Review 616-622
Anu H, Mahesh Kumar D and Jayadevappa D

98. Design and Implementation of Pothole Detector using Multisensor System 623-627
Shreya Deepak, Shreyas S, Smitha B, Vignesh M S and Venkatrao P