Managing Editor

Dr. Archana Vyas

Ph.D (Electronics Engineering)

Associate Professor, G H Raisoni University

Editorial Board Members

Dr. Sanjay L. Haridas

Ph.D (Electronics Engineering)

J D College of Engineering, Nagpur, Nagpur, Maharashtra, India

Dr. Nandkishor Wagh

Ph.D (Electrical Engineering)

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati

Dr. Ankush Ghosh

Ph.D (Electronics Engineering)

School of Engineering and Applied Sciences,The Neotia University

Dr. Rakesh Shirwastava

Ph.D. (Electrical Engineering)

Matoshri College of Engineering & Research Center, Nashik

Dr Tushar Hrishikesh Jaware

Ph.D(E&TC Engineering)

R C Patel Institute of Technology, Shirpur

PROMINENT PUBLICATION HOUSE

Advisory Board Members

Dr. Santosh B Jaju

Professor & Dean (R&D), G. H. Raisoni College of Engineering, Nagpur, Maharashtra, India

Dr. Amol Desmukh, Principal, Nagpur Institute of Technology, Nagpur, Maharashtra, India

Dr. Prashant Maheshwary, Director, J. D. College of Engineering & Managment, Nagpur, Maharashtra, India

Dr. Nitin Choudhari, Principal, Priyadarshini Bhagwati College of Engineering, Nagpur, Maharashtra, India

Dr. Chetan Sedani, Principal, Padmabhooshan Vasantdada Patil Institute of Technology, Bavdhan, Pune, Maharashtra, India

Dr. Ines CHIHI, Associate Professor, National Engineering School at Bizerta, Tunisia

Dr. Akhtar Kalam, Professor & Head, External Engagement at Victoria University Melbourne, Australia

Dr. Waseem Alhasan, Associate Dean, Faculty of Engineering, Al-Sham Private University, Syria

Dr. Valentina Emilia Balas, Head of the Intelligent Systems Research Centre (Faculty of Engineering), Aurel Vlaicu University of Arad Department of Automation and Applied Informatics, Director of the Department of International Relations Arad, Romania

Dr. Prachand Man Pradhan, Associate Professor, Department of Civil Engineering (Structural Engineering, Kathmandu University, Nepa

Dr. Kirti Seth, Associate Professor, School of Computer & Information Engineering INHA University in Tashkent,(IUT), Tashkent , Uzbekistan

Dr. Mahmood Mohassel Feghhi, Assistant Professor, Faculty of Electrical & Computer Engineering, University of Tabriz, Iran

Dr. Nalla Bala Kalyan, Associate Professor, Department of Management Studies, Sri Venkateswara College of Engineering, Tirupati, Chittoor District (AP), India

Dr. Atanas Chervenkov, Associate Professor, Department of Theoretical Electrical Engineering, Technical University of Sofia, Sofia City Province, Bulgaria

Dr. Amr Maher Elnemr, Associate Professor, Faculty of Engineering and Materials Science (EMS), The German University in Cairo, Egypt

Dr. Alireza Nasiri, Assistant Professor,Department of Electrical and Computer Engineering,, University of Hormozgan,, Iran

Prof. Karuna Shankar Misra, Former Vice Chancellor , University of Allahabad, University of Allahabad,India

Dr. Atour Taghipour, Associate Professor, Director of International Purchasing Master and Director of International Marketing Master, Normandy University

Dr. Bhupesh Kumar Singh, Professor, Department of Computer Engineering, TArba Minch University

Dr NOOR ZAMAN, Associate Professor,Department of Computer Science, Taylor's University

Dr. Sobhan Mohamadian, Assistant Professor,Department of Engineering, University of Damghan, Daneshgah Sq., Damghan

<table>
<tr><th>Manuscript. Id.</th><th colspan="2">Volume 1 Issue 2, December 2020, ISSN: (Online)</th><th>Page No.</th></tr>
<tr><td rowspan="3">CTEEE 001</td><td>Author</td><td colspan="2">Neha Nagpure, Seema Zaware, Kajal Salunkhe</td></tr>
<tr><td>Paper Title</td><td colspan="2">Automatic Filling System For Industry</td></tr>
<tr><td colspan="3">Abstract: - The project is aimed at automatic bottle filling and leakage sensing. This project will automatically detect the bottles using IR sensors. The overall system is liberated from human interventions. The efficiency of this system is high and it helps in automatic bottle filling and leakage sensing. Control system is the main part which includes AVR programming to control various components in this system. It is aimed to eliminate the various problems faced by small scale industries while filling the bottles. This system works automatically and reduces working and operation costs respectively.
Keywords: - Bottle Filling, disk, Process Automation, leakage sensor, position sensor, bottle, steeper motor, pipe

Reference
1. International Journal of Emerging Technology and Advanced Engineering Website: www.ijetae.com (ISSN 2250-2459 (Online), Volume 4, Special Issue 1, February 2014) International Conference on Advanced Developments in Engineering and Technology (ICADET-14), INDIA.
2. DEVELOPMENT OF PLC BASED CONTROLLER FOR BOTTLE FILLING MACHINE
3. (Shantanu L. Kulkarni School of Mechanical and Building Science VIT University, Chennai.) (M. Elango School of Mechanical and Building Science VIT University, Chennai)
4. Automated Bottle Filling System : Bipin Mashilkar1, Pallavi Khaire1, Girish Dalvi1 1 Assistant Professor, Department of Mechanical Engineering, Fr.C.Rodrigues Institute of Technology, Maharashtra, India
5. PLC Based Automatic Liquid Filling System For Different Sized Bottles (Ameer L. Saleh1, Lawahed F. Naeem 2, Mohammed J. Mohammed3).</td><td>1-4</td></tr>
<tr><td rowspan="3">CTEEE 002</td><td>Author</td><td>Pavan Kavate, Piyusha Desai, Pratik Dabhade, Prof.Balika Tawade</td><td></td></tr>
<tr><td>Paper Title</td><td>Scrolling Led Board Using Bluetooth</td><td></td></tr>
<tr><td colspan="3">Abstract: - Display boards are primary thing in any institute, organization, public utility places like bus stops, railway stations, parks, shopping malls to display information regarding platforms, various advertisements about the products, or important notices. The design of “Smart Scrolling LED Display using Bluetooth” utilizes low cost and user can access multiple applications. People are now adapted to the idea of the world at its fingertips. Thus, If anyone wants to display the message they can send message through using android Bluetooth by using this project. This project deals with advanced wireless Android development board. The main objective of this project is to design a wireless board that displays messages sent from android phone user using Bluetooth. The main controlling device of the whole system is android Matrix LED Display module, Bluetooth module is interfaced to android and android development tool with APK application.</td><td>5-8</td></tr>
</table>

	Keywords: - Bluetooth, matrix LED display, Android phone **Reference** 1. Prachee U. Ketkar, Kunal P. Tayade, Akash P. Kulkarni, Rajkishor M.Tugnayat: GSM Mobile Phone Based LED Scrolling Message Display System,International Journal of Scientific Engineering and Technology Volume 2 Issue3; PP : 149-155 2. Foram Kamdar, Anubbhav Malhotra and Pritish Mahadik : Display Message on Notice Board using GSM, ISSN 2231-1297, Volume 3, Number 7 (2013); pp.827-832 3. Darshankumar C. Dalwadi, Ninad Trivedi, Amit Kasundra : WIRELESS NOTICE BOARD, National Conference on Recent Trends in Engineering &Technology 4. Information on http://www. 8051projects. Net 5. Deshmukh V. R. , Karande N. D , Patil S. S. , Tamboli A. S.:Led scrolling display using bluetooth,Department of Electronics and Telecommunication Engineering, Shivaji University, Karad, Maharashtra, India		
CTEEE 003	**Author**	Ms .Pooja Nighojkar, Mr.P.Balaramudu	
	Paper Title	Enhanced Cyclostationary Techniques for Cognitive Radio	
	Abstract: - Information communication has been reached its top level today. From grass root level to top level of society, all are connected with information communication. With increase in knowledge based data/ Entertainment Based data / Economical Based data / Social Based data, Information technology & Communication becomes integrated part of common man's life. Not only commons life but we can say life of each and every individuals in society is reliable over Information communication & technology. Increase in Information data is proportional to Increased Users. Though Users are increased although the resources like Channel bandwidth required for communication has its limit. The proposed system is handling the same issue of Communication channel utilization against increasing number of users. To utilize and maximize number of users with same number of channels, the proposed system has introduced the Enhanced Cyclostationary technique for Cognitive Radio. **Keywords**: Cognitive Radio, Cyclostationary Technique, Matlab, Primary User, Secondary User **Reference** 1. 1. Aruna.L ,S.S.Thamilselvi ―Contrast Enhancement for Emissive Display Using Histogram Equalization and Bilateral Tone Adjustment‖, International Journal of P2P Network Trends and Technology (IJPTT) - Volume3 Issue4- May 2013).		**09-13**

2. J. Stark, ―Adaptive image contrast enhancement using generalizations of histogram equalization,‖ IEEE Transaction on Image Processing,vol.9, no. 5, pp. 889–896, May 2000..
3. Z. Yu and C. Bajaj, ―A fast and adaptive method for image contrast enhancement,‖ in IEEE ICIP, Oct. 2004, vol. 2, pp. 1001–1004..
4. Z. Yu and C. Bajaj, ―A fast and adaptive method for image contrast enhancement,‖ in IEEE ICIP, Oct. 2004, vol. 2, pp. 1001–1004..
5. S. Chen, B. Mulgrew, and P. M. Grant, ―A clustering technique for digital communications channel equalization using radial basis function networks,‖ IEEE Trans. on Neural Networks, vol. 4, pp. 570-578, July 1993.
6. J. U. Duncombe, ―Infrared navigation—Part I: An assessment of feasibility,‖ IEEE Trans. Electron Devices, vol. ED-11, pp. 34-39, Jan. 1959
7. Y. Lin, M. Wu, J. A. Bloom, I. J. Cox, and M. Miller, ―Rotation, scale, and translation resilient public watermarking for images,‖ IEEE Trans. Image Process., vol. 10, no. 5, pp. 767-782, May 2001

CTEEE004	**Author**	Miss. Supriya Kale, Mr. P. Balaramudu	
	Paper Title	IOT Based Smart Poultry Farm Monitoring & Controlling using Embedded System	
	Abstract: - IoT is a revolutionary technology that represents the future of communication & computing. Now days IoT is used in every field like smart homes, smart traffic control, smart cities etc. The area of implementation of IoT is vast and can be implemented in every field. This paper is about the implementation of IoT in Poultry Farming. IoT helps in better management, better resource management, cost efficient farming, improved quality and quantity, birds and animal monitoring and field monitoring etc. can be done. The sensors used in proposed model are air temperature sensor, air quality sensor, humidity sensor, etc. In this paper typical agriculture methods used by farmers these days and what are the problems they face are discusses, for more information about new technologies in farming. The proposed model is a simple architecture of IoT, in which sensors collect information and send it to arduino. Then this data values send to raspberry pi and compared this data values with threshold value to control the environmental condition inside poultry farm. A smart farm operates on both automatic and manual modes, for various operations. The controller keeps monitoring the temperature, humidity, air quality and brightness inside the field. **Keywords: -** DHT11; LDR;MQ 135;Arduino; Raspberry PI **Reference** 1. Manakant Intarakamhaeng and et al, "The Model Farm Management Automation Technology with RFID", Pathumthani office of Science and Technoloy,2008	**14-19**

2. Md Saifudaullah Bin Bahrudin and Rosni Abu Kassim,"Development of Fire Alarm System using Raspberry Pi and Arduino Uno",Faculty of electrical Engineering University Teknoloi MARA Selangor,Malaysia,2013.
3. Kumar, A. and Hancke,G.P."A Zigbee-based Animal Health Monitoring System",Senior Member,IEEE,2013.
4. Boopathy.S 1, Satheesh kumar.M 2, Mohamed Feroz.A 3, Dinesh.R 4 PG Student, Department of Embedded System Technologies Anna University, Regional Centre, Coimbatore, India1, 2 ,3, 4, "Performance Optimization of Poultry Farm By Using Instrumentation with Help of Embedded Automation," International Journal of Innovative Research in Science, Engineering and Technology An ISO 3297: 2007 Certified Organization, Volume 3, Special Issue 1, February 2014 International Conference on Engineering Technology and Science- (ICETS'14)
5. Drishti Kanjilal, Divyata Singh, Rakhi Reddy, Prof Jimmy Mathew, "Smart Farm:Extending Automation To The Farm Level," International Journal of Innovative Research in Science, Engineering and Technology, ISSUE 7, JULY 2014, ISSN 2277-8616.
6. Siwakorn Jindarat, Pongpisitt Wuttidittachotti, "Smart Farm monitoring using Raspberry Pi and Arduino", IEEE 2015 International conference on computer, communication and control technology, April 2015.
7. Rupesh Muttha, Sanket N. Deshpande, Megha A. Chaudhari, Prof.N. P. Wagh, "PLC based Poultry automation system",International Journal of science and research, Vol: 3, Issue: 3, June 2014.
8. Eben Upton, Gareth Halfacree,"Raspberry Pi User Guide", 4th edition May 2016.
9. Simon Monk,"Programming the Raspberry Pi",2nd edition, Getting started with pythonUnited State of America: O Reilly Media, oct 2015

PROMINENT PUBLICATION HOUSE