

ISSUE 15

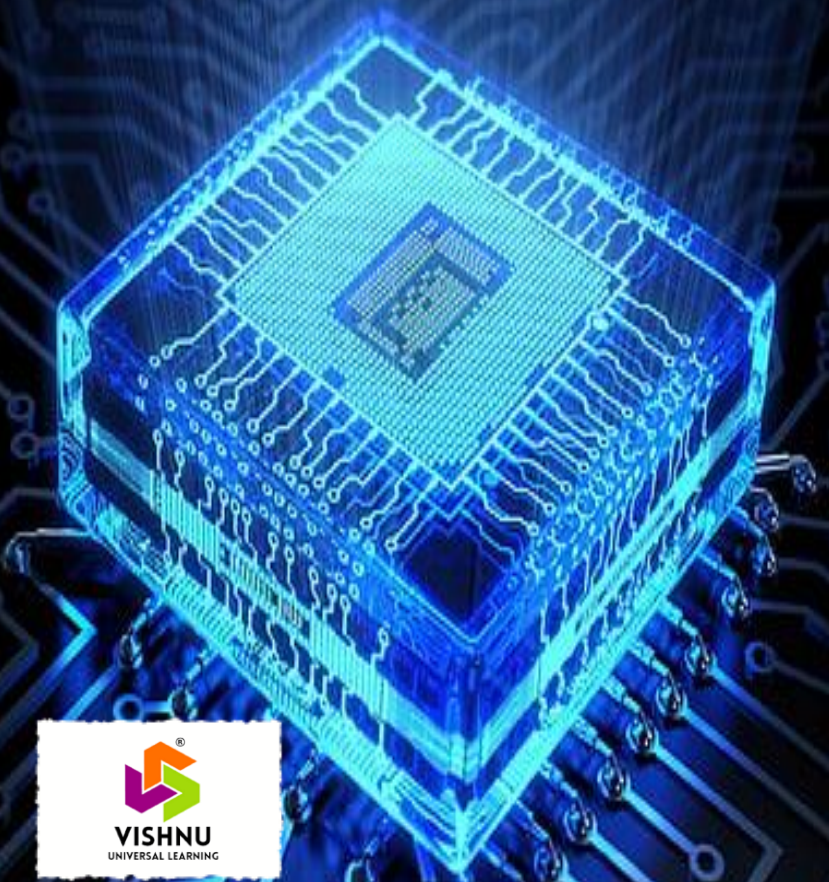
JUNE 2023 |

Center line Communication

A HALFYEARLY NEWS LETTER PUBLISHED

BY

Department of Electronics and Communications



VISION

"Transform the society through excellence in Education, Community empowerment, and sustained Environmental protection"

WORKSHOP

Department of Electronics and Communication Engineering conducted a Two Day Workshop on “Embedded Systems with ARM” on 11th-12th May, 2023. for students and Faculty. The resource person for this workshop is Dr. K Vamshi Krishna Varma working as Associate Director Industry Relations, SVES.



EXPER TALK

Department of Electronics and Communication Engineering has organized an event titled “HOW TO PLAN FOR START-UP AND LEGAL AND ETHICAL STEPS” on 9th May, 2023 for first year students of SVECW. Department of Electronics and communication engineering has organized an event titled “HOW TO PLAN FOR START-UP AND LEGAL AND ETHICAL STEPS” on 9th May, 2023 for first year students of SVECW.



DESIGN THINKING CONTEST

On the occasion of world innovation day department of Electronics and communication engineering has organized an event titled “DESIGN THINKING CONTEST” on 21 April, 2023 for first year students of SVECW. The resource person of this event Mr. D. Ramesh Varma and Mr. D. Satya krishna working as Assistant Professor, SVECW.



WORKSHOP

Department of Electronics and Communication Engineering conducted a Two Day Workshop on “Digital Logic Design with Verilog” on 11th-12th March, 2023 for the students and Faculty of SVECW .The resource person of this workshop M. Naga Sitaram working as Program manager-ASIC design in Bit silica, Hyderabad.



Department of ECE arranged an Expert Talk on “IC Fabrication Techniques” on 21nd-22nd Feb, 2023 for students and Faculty of SVECW. The resource person is Dr. Y P Prabhakara Rao working as visiting scientist at CENSE, IISC Bangalore. Resource person enlightened students regarding the projects that are developed by the IISC which turned into startups on day 1 and given a talk on IC fabrication Techniques on day 2.



Department of ECE in association with IIC arranged a Two Day Workshop on “Industry exposure on Emerging Technologies in Chip design (Layout, Physical design)” during 19th-20th Jan, 2023. This workshop is intended for the broader academic community who seeks to explore the impact of Chip Design in the Industry and Academics.



BEST PAPER AWARD



Mr. G. Challa Ram of ECE department received best paper award for the paper titled "Area-Optimized Efficient Multiplication Using Modified Round Square Approximation" in IEEE International Conference on Integrated Circuits and Communication Systems at HKE Society's SLN College of Engineering Raichur India.

STUDENT ACTIVITIES

Department of ECE in association with IIC arranged a Field Visit to Vishva Technology Business Incubator during 30th & 31st January 2023 which is intended for the broader academic community who seeks to explore the impact of PCB Design in the Industry and Academics. Workshop provides students with a hands-on experience on PCB circuit design and manufacturing.



Internship



D. Bhavya Sai, ECE
20B01A0436
35,000 Per Month



M. Naga Prasanna, ECE
20B01A0486
35,000 Per Month



D. Hasmitha, ECE
20B01A0433
10,000 Per Month



V. Durga Devi Prasanna, ECE
20B01A04G0
10,000 Per Month

ISTE Student Chapter

National science day 2023 was celebrated on 28 th February at Chess Board in open Air auditorium under the ISTE STUDENT CHAPTER in Association with Institution's Innovation Council(IIC) of Shri Vishnu Engineering College for Women, had organized various Technical Events. About 450 students of various colleges around our SVES Campus have actively participated in 9 Technical events which conducted successfully and Prizes are distributed to all the 48 winners among all the events.



“ THE DIFFERENCE BETWEEN ORDINARY AND EXTRAORDINARY IS THAT LITTLE EXTRA. ”

Jimmy Johnson



ISTE STUDENT CHAPTER

NATIONAL TECHNOLOGY DAY-2023

ISTE STUDENT CHAPTER of Shri Vishnu Engineering College for Women (Autonomous) in association with Institution's innovation council has celebrated National Technology Day-2023 on 11th MAY and organized 4 technical events. Two events are conducted as Daily events and two are spot events on the grand event under virtual mode. Total 140 students from all the departments have been participated.



Faculty Publications

Dr.M. V. Subbarao, Associate Professor of ECE department presented a paper titled "Performance analysis of Sentiment Classification using Optimized Kernel Extreme Learning Machine," in 2023 International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC), Silchar, India, 2023, pp. 1-8, doi: 10.1109/ISACC56298.2023.10083939.



Dr.M. V. Subbarao, Dr.K. P. Vasavi and Mr.G. C. Ram, of ECE department presented a paper titled "Performance Analysis of Feature Selection Algorithms in the Classification of Dry Beans using KNN and Neural Networks," in 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Erode, India, 2023, pp. 539-545, doi: 10.1109/ICSCDS56580.2023.10104809.



Dr.M. V. Subbarao, Mr.G. Challa Ram, and Mr.D. Ramesh Varma, of ECE department presented a paper titled "Performance Analysis of Pistachio Species Classification using Support Vector Machine and Ensemble Classifiers," 2023 in International Conference on Recent Trends in Electronics and Communication (ICRTEC), Mysore, India, 2023, pp. 1-6, doi: 10.1109/ICRTEC56977.2023.10111889.



Dr.M. Venkata Subbarao, Mr.G. CHALLA RAM. , Mr.RAMESH VARMA D., Mr.D. GIRISH KUMAR. and Dr.M. PREMA KUMAR.,faculty of ECE department published a paper titled"Automatic Fault Detection in Industrial Smart Grids Using KNN and Ensemble Classifiers", EI-Cezeri, vol. 10, no. 2, pp. 240-252, May. 2023, doi:10.31202/ecjse.1162586(SCOPUS).



Dr.M.V. GANESWAR RAO, Associate Professor of ECE department of ECE published a paper titled" CREATING THE BEST DIRECTED RANDOM TESTING METHOD TO MINIMIZE INTERACTIVE FAULTS-EMPIRICAL PERSPECTIVE" in the Journal of Theoretical and Applied Information Technology. 2023 Apr 15;101(7). (SCOPUS)

Mr.G. CHALLA RAM, Assistant Professor of ECE department published a paper titled "TUNABLE BANDSTOP FILTER USING SPOOF SURFACE PLASMON POLARITONS FOR TERAHERTZ APPLICATIONS", in AEU - International Journal of Electronics and Communications, 2023,154774, ISSN 1434-8411.



<https://doi.org/10.1016/j.aeue.2023.154774>. (SCI-Journal)



Mr.G. C. Ram, Dr.M. V. Subbarao, Mr.D. R. Varma and Dr.M. PREMA. Kumar faculty of ECE department presented a paper titled"Delay Enhancement of Wallace Tree Multiplier with Binary to Excess-1 Converter," 2023 in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, 2023, pp. 113-117, doi: 10.1109/ICSSIT55814.2023.10061043.



Mr.D. Ramesh Varma, Dr.M. Venkata Subbarao, Mr.G. Challa Ram and Mr.D. Girish Kumar of ECE department presented a paper titled"Reducing Interference and Antenna Array thinning using Nature Inspired Genetic Algorithm," 2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS), Coimbatore, India, 2023, pp. 915-919, doi: 10.1109/ICAIS56108.2023.10073866.





Dr.M. V. Subbarao, Mr. G. Challa. Ram of ECE department presented a paper titled "Detection of Retinal Degeneration via High-Resolution Fundus Images using Deep Neural Networks," in 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 955-960, doi: 10.1109/ICEARS56392.2023.10085273.



Dr.M. V. Subbarao, Dr.T. Sudheer Kumar of ECE department of ECE presented a paper titled "Multi-Cancer Early Detection And Classification Using Machine Learning Based Approaches," in 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), Bhilai, India, 2023, pp. 1-7, doi: 10.1109/ICAECT57570.2023.10117816.



Dr.G. R. L. V. N. S. Raju, Mr.G. Challa Ram of ECE department presented a paper titled "Area Optimised Efficient Multiplication Using Modified Round Square Approximation," in 2023 IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS), Raichur, India, 2023, pp. 1-5, doi: 10.1109/ICICACS57338.2023.10099920.



Mr.G. Challa Ram, Dr.M. V. Subbarao, and Mr.D. Ramesh Varma of ECE department presented a paper titled "Enhanced Deep Convolutional Neural Network for Identifying and Classification of Silicon Wafer Faults in IC Fabrication Industries," in 2023 International Conference on Wireless Communications Signal Processing and Networking (WiSPNET), Chennai, India, 2023, pp. 1-6, doi: 10.1109/WiSPNET57748.2023.10133996.



Mr.K. Murthy Raju, Associate Professor of ECE department presented a paper titled "Cost-Effective Communication in UDN in Indoor and Outdoor Environment via Machine Learning," in 2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), Chennai, India, 2023, pp. 1-7, doi: 10.1109/ICECONF57129.2023.10084080.



Dr.M. V Subbarao, Associate Professor of ECE department presented a paper titled "Pansharpener of Multispectral Images using Deep Learning Architectures: Trends & Future Directions" in 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC) 2023 May 4 (pp. 411-417). IEEE.



DR.Venkata Subbarao, Mr.B, Ramesh Varma D., Dr.Terlapu, S.K., Mr. Challa Ram, G of ECE department published a book chapter titled "Automatic Modulation Classification Under AWGN and Fading Channels Using Convolutional Neural Network" in Chakravarthy, V., Bhateja, V., Flores Fuentes, W., Anguera, J., Vasavi, K.P. (eds) Advances in Signal Processing, Embedded Systems and IoT . Lecture Notes in Electrical Engineering, vol 992. Springer, Singapore. https://doi.org/10.1007/978-981-19-8865-3_20



K. Murthy Raju, & quot; Smart Cities Hybridized to Prevent Phishing URL Attacks,& quot; 2023 Second International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2023, pp. 817-821, doi: 10.1109/ICEARS56392.2023.10085315.



Dr.M.V. GANESWAR RAO, Dr.P.Ravi Kumar, faculty of ECE department published paper titled" UNHEALTHY PLANT REGION DETECTION IN PLANT LEAVES USING ADAPTIVE GENETIC ALGORITHMS" in the journal "J Theor Appl Inf Technol 2023";101(8):3133-7. (SCOPUS)



