newsletter

communication internet concept

VISHNU
UNIVERSAL LEARNING

A HALFYEARLY NEWS LETTER PUBLISHED

BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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Vice-chairman

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Secretary

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Dr.P.Srinivasa Raju
vice-principal

Dr. G.Srinivasa Rao
Principal

Research Publications

Mr. K. Murthy Raju and Mr. G. Challa ram from the Department of ECE presented a paper titled "A Hybrid Cryptographic Algorithm for Securing Medical Data in a Cloud Computing Environment," in the International IEEE Conference on Computing, Communication, and Power Technology (IC3P-2022),

Mr. K. Murthy Raju, Department of ECE presented a paper titled "Prediction of Maize Leaf Disease Detection to Improve Crop Yield Using Machine Learning-Based Models" in ICRTCST-2021: 4th IEEE International Conference on Recent Trends in Computer Science and Technology, 11-12 February 2022.

Dr. N. Prasad and Mr. E. R. Praveen Kumar ECE Department AISP'22: 2nd IEEE International Conference on Artificial Intelligence and Signal Processing, 12-14 February 2022, published a paper titled "Performance Evaluation of Speech Radio band Extension Technique Using Simulink."

Dr. Ratikanta Sahoo of the ECE Department presented a paper at the 2nd IEEE International Conference on "Artificial Intelligence and Signal Processing (AISP)-2022," which took place on February 12-14, 2022.

Mr. K. Murthy Raju and Dr. M. Venkata Subbarao from the Department of ECE presented a paper titled "Using Artificial Jellyfish Algorithm with Transformation Technique for Secure Video Watermarking Embedding Process" at the International IEEE Conference on Computing, Communication, and Power Technology (IC3P-2022),

Mr. T. Sairam Vamsi received a **best paper award** for the paper "Crop Protection and Establishment of E-farmers Market" in 2nd IEEE International Conference on Power, Control and Computing Technologies (ICPC2T) organized by NIT, Raipur, India on 01-03 March, 2022.

IEEE Publication

Dr. Pushpa Kotipalli's research on the Naval Research Board (NRB) of the Defence Research and Development Organization (DRDO) project was published in IEEE Access. It is titled "Frame Boundary Detection and Deep Learning –based Doppler Shift Estimation for FBMC/OQAM Communication System in Underwater Acoustic Channels and its Applications" and is available in IEEE Explore.   doi: 10.1109/ACCESS.2022.3148410.
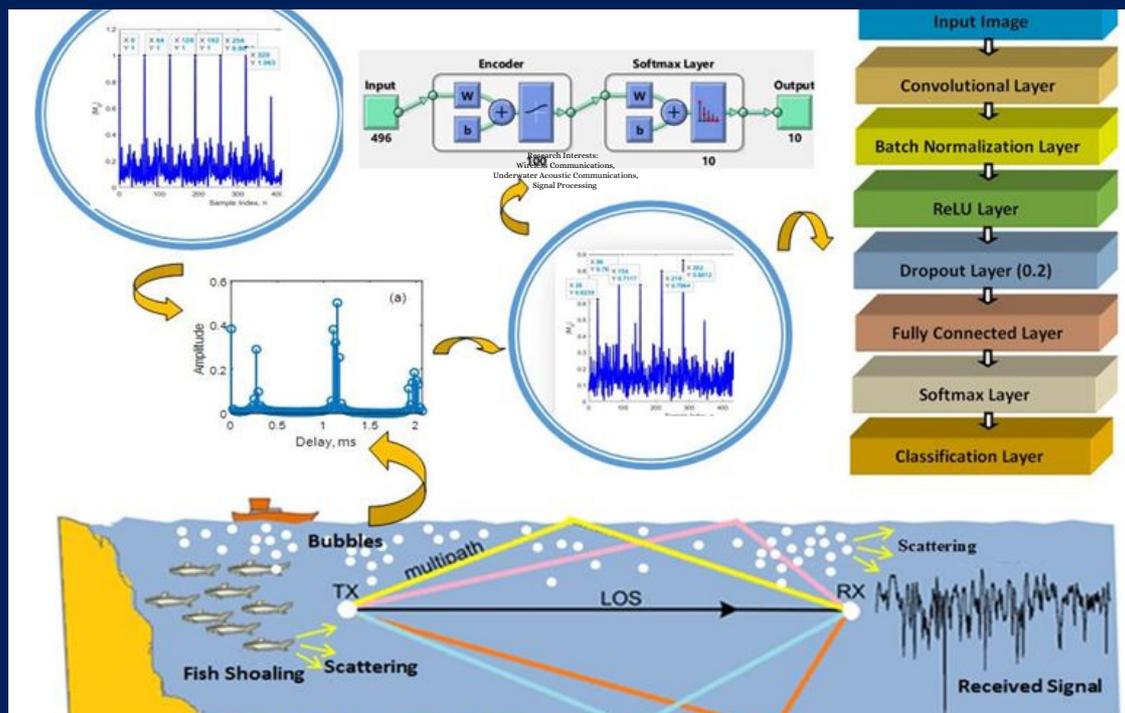
Deep Learning - based Doppler Shift Estimation for FBMC Communication System in Underwater Acoustic Channels

Dr. Pushpa Kotipalli
Professor in ECE Department
Email: pushpak@svecw.edu.in
Research Interests: Wireless Communications, Wireless Networks

Underwater Acoustic (UWA) channel generates additional Doppler frequency due to drifting and surface wave motion. UWA channel model represents a time-varying multipath propagation that depends on boundary conditions. Preamble gets distorted while passing through the channel. Doppler frequency is estimated by applying the received distorted preamble to CNN classifier or Stacked network classifier.

Workshops and Guest lectures

"Introduction to VLSI and Opportunities for the Future" is a Five day workshop organized by the department of ECE for the 3rd-year ECE Students during 30.04.2022 to 04.05.2022 with participation of 62 students. Resource person is Dr. Avinash Yadlapati, Senior Manager at Intel Malaysia. This workshop included concepts related to the RTL Design of digital circuits, implementation, and verification of these circuits by writing a test bench using Verilog as per industry standards. This workshop successfully bridged the gap between academia and industry.

Department of ECE conducted a Guest Lecture on "Applications of Machine Learning and Deep Learning Architectures" with resource person Dr. Soma S. Dhavala, Principal scientist, Wadhwani Institute for Artificial Intelligence, Bangalore on 29-04-2022.
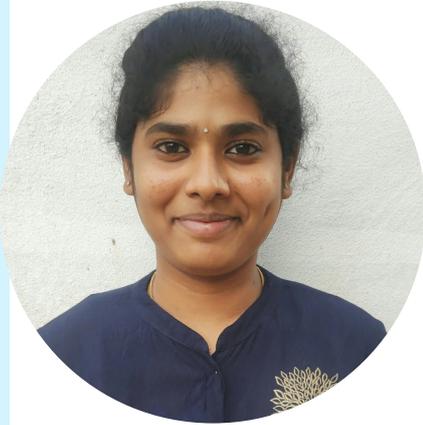
Best Placements

Devikasri Posimetti

paloalto NETWORKS

Package : 41 LPA

ECE

At any point of time, all we need is a proper path to walk on, and SVECW is exactly the right one to shape our future. Being an electronics student, it's not a cake walk to crack product-based companies. There is plenty of training provided by the college, mainly C&DS and WISE. WISE helped me to learn different coding languages, whereas C&DS laid the foundation for data structures and algorithms, which helped me to get an internship at Amazon and crack the Palo Alto Networks interview. Most importantly, hard work and practice are required to achieve success.

G.Harshini

Walmart **Package:23.39 LPA**

ECE

I am extremely grateful to the placement cell and all the faculty members of SVECW for giving me an ample opportunities. The Special trainings like CNDS,WISE,CRT offered by our college are amazing and helpful to achieve great success.

SVECW is not only good at technical trainings but also many Club Activities which helps for all round development of students.Our Campus is filled up with positive vibes which made me to strive better.I am able to crack my Walmart Interview just because of trainings provided by our college.The only thing I can share is,

"Just Believe in yourself and Keep trying more and more". Once again Thankyou SVECW, for everything!

Microsoft

Package: 44.3 LPA

D. Kusuma

First of all it's a great honor for me to be a student of Shri Vishnu Engineering College for Women. The teaching approaches followed by the faculty to explain are unique. They use a variety of resources to make students understand the concepts. The trainings (C & DS, WISE) offered by our college are very helpful to the students to crack their dream jobs. Further, there are many clubs in our college that help us to satisfy our creative and intellectual curiosity. The college provides excellent opportunities for the all-round development of students. I have offers from Microsoft and 5 other companies. This is all because of the continuous support given by our college.

ECE

Nandyala Mounika

f5

Package : 23 LPA

The journey of my college life was splendid and all kudos to SVECW for making it a valuable part of my life. It had given me many wonderful experiences like being part of ATL, the sports team, and many more. To start with, I would like to express my gratitude to all my professors and the Placement Team of my college for their continuous support. They helped us acquire all the necessary skills to enhance our profile. I was placed in 4 companies. At present, I am working in F5 Networks, Hyderabad.

ECE

INTERNSHIP

Ms. P. Chandana of III ECE got an Opportunity of Internship at INTEL with 40,000 per month.

Ms. P. Chandana

(intel) | **Rs. 40,000**
per month

Team of ECE Department:

UPCOMING EVENTS

ECE Department is going to organize International Springer Conference

ICMEET 2022

22-23, July 2022

"Do something now; later on, your future self will thank you."