



**NARSIMHA REDDY
ENGINEERING COLLEGE**

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C@NNECT

Department of Electronics and Communication Engineering

Bulletin Half Yearly

Jan- June 2022

Vision

To evolve into a center of excellence in Electronics & Communications Engineering through creative and innovative practices in teaching-learning and Research in consonance with the contemporary and future needs of the society.

Mission

Mission 1: Inspire and encourage development of key ideas and innovations that can contribute to socio-economic development of India as well as society.

Mission 2: Identify and collaborate with experts, professionals, academicians, commercial and various governmental bodies and develop an environment conducive to research and develop an environment conducive to research and development.

Mission 3: Offer state-of-the-art programs that inspire and motivates students in perusing the role of researchers and developers through higher learning programs.

About ECE

The Department of Electronics & Communication Engineering was established in 2007 with an initial intake of 60 students. The intake was increased to 120 in 2008. All laboratories are furnished with advanced test and measuring equipment and custom-designed trainers to facilitate effective hands-on learning. The infrastructure and lab facilities are upgraded from time to time and provide good practical learning and innovative environment for the students and researchers. Students actively participate in national-level paper presentations conducted at IITs, NITs, and various reputed engineering institutions. The faculty are also actively involved in research, contributing regularly to national and international conferences and journals. As a part of the curriculum, industrial visits are arranged for all B. Tech students to provide exposure to real-world engineering practices.



MT Block

Head of the Department¹



Welcome to Jan-June 2022 News Letter edition of our Electronics and Communication Engineering (ECE) Department's newsletter. Inside, you will find articles highlighting the achievements of our students and faculty members. This issue also features details about guest lectures, workshops, and student chapter events, providing valuable insights into current industry requirements. Through this, we aim to keep our students and faculty well informed about real-world developments and better equipped to meet emerging challenges.

As we strive to adopt new teaching methods and integrate the latest technologies, I'm confident in our ability to continue excelling. I thank all the students and faculty members who have worked hard and brought about this newsletter.

Dr. Honey Durga Prasad Tiwari

Awards & Participation

Kathipaka Teja Sri ,Lakamraju Varshitha , manepally sai charan Participated in National Level Hackathon conducted at Sridevi Womens Engineering College on April 1st2022



M Sarvari Priya,Bongunuri Supriya,Takkala Aishwarya of B.tech Second year students participated in Future Sastra 2022 technical fest conducted at mallareddy women's Engineering college 19th Feb 2022



Events Organized

The Department of ECE In association ELECSEA student club organized the technical fest Avishkarna 2022 on 11/5/2022. A technical fest is an important academic and innovation-driven event that provides students with opportunities to explore technology beyond the classroom. It helps in skill development, creativity, teamwork, and career growth.



The Department of ECE In association With ELECSA conducted the womens day celebrations



The Department of ECE In association with ISTE conducted the seminar on software development life cycle for web applications. The main objective of a Software Development Life Cycle (SDLC) seminar is to help the students understand how software is planned, developed, tested, and maintained in a systematic and efficient manner. on 20/3/2022



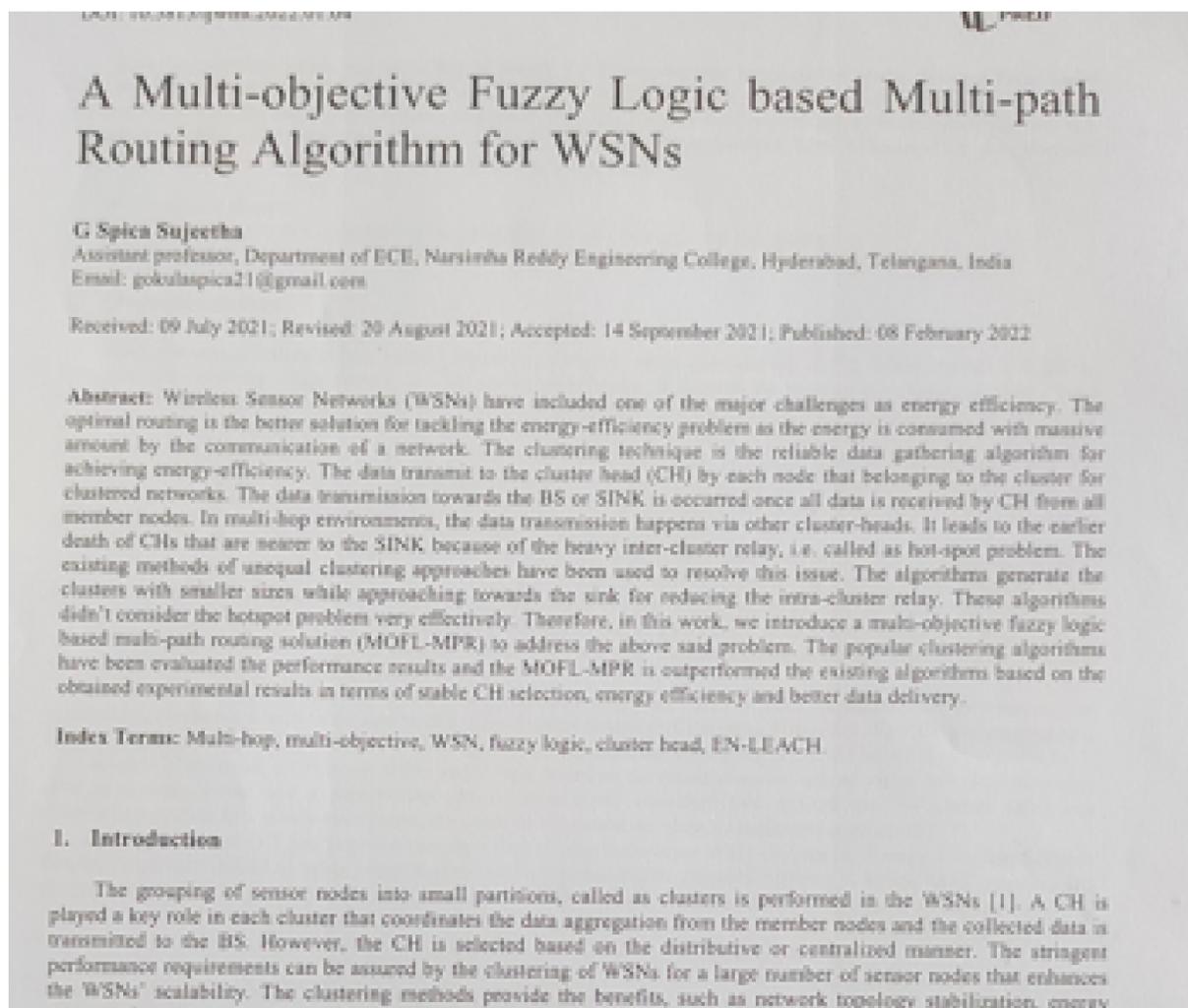
Guest Lectures

The Department of ECE conducted the Guest lecture on “Wireless communication from fundamentals to future” by Mr. Satya Kumar Sahu Chief Technical Officer in Synxa IT. Provides students with a clear understanding of how wireless communication has evolved from basic principles to advanced technologies

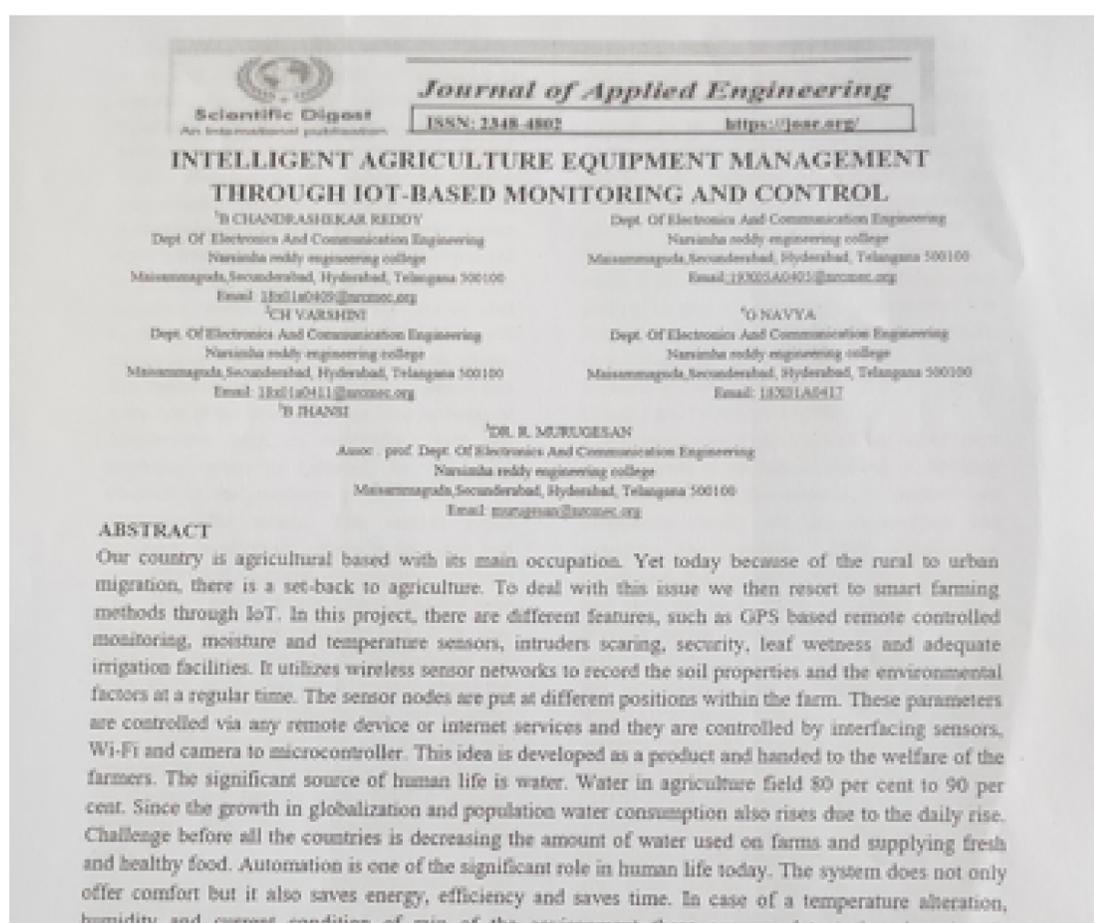


Research and Development Activities

Mrs. G. Spica Sujeetha, Assistant Professor in the Department of Electronics and Communication Engineering (ECE), has published a research article titled “A Multi-Objective Fuzzy Logic-Based Multi-Path Routing Algorithm for WSNs – MECS” in the International Journal of Wireless and Microwave Technologies.



Students of ECE final Year B. Chandrashekar Reddy, Ch. Varshini, B. Jhansi, and G. Navya have successfully published their research article titled “Intelligent Agriculture Equipment Management through IoT-Based Monitoring and Control” in the Journal of Applied Engineering.



Faculty Published in Conferences

- Dr Honey Durga Prasad Tiwari Professor and HOD ECE Department published a paper titled “Microcontroller and FPGA-Based Design for IoT Devices” at the 4th Asian Conference on Innovation in Technology (ASIANCON)
- Mrs A Puta Rani Assistant Professor ECE Department published a paper titled “MeMS sensor for Health care Applications ” at the 4th Asian Conference on Innovation in Technology (ASIANCON)
- Dr Jyothi prasanna Patra Associate Professor ECE Department published a paper titled “MeMS sensor for Health care Applications ” at the 4th Asian Conference on Innovation in Technology (ASIANCON)
- L Chnadhra shekar Assistnat Professor ECE Department published a paper titled “Advanced signal processing Techniques for radar and sonar” at the 4th Asian Conference on Innovation in Technology (ASIANCON)
- L Shailaja Assistant Professor ECE Department published a paper titled “Advanced signal processing Techniques for radar and sonar” at the 4th Asian Conference on Innovation in Technology (ASIANCON)
- Mrs N swetha Assistant Professor ECE Department published a paper titled “Advanced signal processing Techniques for radar and sonar” at the 4th Asian Conference on Innovation in Technology (ASIANCON)
- Mrs E Pranusha Assistant Professor ECE Department published a paper titled “IOT Bases advanced coal mine safety system using Reversible logic gates” at the International conference on advance in signal processing, VLSI Communication and embedded sytems (ICSVCE)

ChiefEditor Message



“ECE CONNECT” is a demonstration of our dedication to outstanding quality and an acknowledgment of the remarkable abilities nurtured at our institution. It serves as a venue for exchanging insights, concepts, and motivation

**Assistant Professor
ECE Department**

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Enjoy your journey through this issue, and we hope it leaves you inspired and informed. Best wishes for delightful reading!

EDITORIAL Team