



SENSETRONICS

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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING



ADITYA
ENGINEERING COLLEGE (A)

APPROVED BY AICTE
NEW DELHI AND AFFILIATED TO
JNTU KAKINADA

ABOUT THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The department of Electronics and Communication Engineering at Aditya strives to produce highly competent engineers equipped with advanced professional knowledge, entrepreneurial thinking, professional and ethical attitude, critical problem solving and analytical skills through effective teaching learning process, research and industrial collaboration and established as one of the major departments of the institute.

The faculty of the department, a rich blend with academic and industrial experience, have been constantly carrying out research on many cutting-edge technologies with regular publications in Springer, Elsevier and other top international journals. The academic quality of the department is reflected by the laurels won by the students and the distinguished positions in industry and academia occupied by alumni.

The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities.

VISION OF THE DEPARTMENT

- To become a center of excellence in the field of Electronics and Communication Engineering with technological capability, professional commitment and social responsibility.

MISSION OF THE DEPARTMENT

- M1: Provide quality education, well-equipped laboratory facilities and industry collaboration.
- M2: Promote cutting edge technologies to serve the needs of the society and industry through innovative research.
- M3: Inculcate professional ethics and personality development skills.

**FACULTY PUBLICATIONS:
JOURNALS**

	Name of the Author	Title of the research paper	Name of the journal	Name of the Publisher	Year of publication	Impact factor
1	D.V.N.Koteswara Rao	Design and Model analysis of dual slot circular patch antenna for ultra wide band applications	Journal of Optoelectronics and Advanced materials 1841 - 7132	Optoelectronics and Advanced materials SCOPUS	24August 2022.	-
2	Dr. Tathababu. A, Dr. V. N. Koteswara rao Devana	Design and model analysis of dual slot circular patch antenna for ultra-wideband applications	Journal of optoelectronics and Advanced Materials	1841 - 7132	24/ Aug	SCOPUS
3	Dr. Tathababu. A, Dr. V. N. Koteswara rao Devana	Characteristic mode analysis of two port semi-circular arc-shaped multiple-input-multiple-output antenna with high isolation for 5G sub-6 GHz and wireless local area network applications	International Journal of Communication System	1099-1131	35/ June	SCOPUS
4	Dr. V. N. Koteswara rao Devana	A novel foot-shaped elliptically embedded patch-ultra wide band antenna with quadruple band notch characteristics verified by characteristic mode analysis	International Journal of Communication System	1099-1131	35/ June	SCOPUS

CONFERENCES

S. No	Authors	Title of the research paper	Conference Details
1	Dr. Yashu Swami	“Covid-19 Contactless Remedies for Students in Educational Institutes”	1 st International Conference on Recent Development in Electronics and Communication Systems held on July 22-23, 2022.
2	Ms. Yamini devi Ykuntam, Mr. Bujjibabu Penumutchi, Ms, Srilakshmi Gubbala	Design of speed and area efficient Non linear carry select adder(NLCSLA) architecture using XOR less adder module	1 st International Conference on Micro-Electronics Electromagnetics & Telecommunications (ICMEET 2022) July 22 - 23, 2022
3.	Mr. G. Rama Naidu	Residue and Quadratic Residue Number System Based on Converters	7 th International Conference on Advanced Production and Industrial Engineering, 11 and 12 June 2022

WORKSHOP ATTENDED

- Dr. Jagatpati Raiguru Attended a National Workshop on Lithium-Ion Batteries, NIT Rourkela 23 – 25 June 2022.
- Mr. G. Rama Naidu Attended 1 Day Workshop on RESEARCH & DEVELOPMENT CELL at GATE INSTITUTE OF TECHNOLOGY, Ananthapuramu during June 2022.

FDP ATTENDED

- Mr. G. Rama Naidu Attended 3 Days FDP on Research Paper Writing using LaTeX at G PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY, Kurnool during July 2022.

FACULTY AS A GUEST LECTURER/ CHAIR PERSON/ COMMITTEE MEMBER

- Dr. U. Rajya Lakshmi Acted as **Session Chair** for International Conference on Recent Developments in Electronics and Communication Systems (RDECS) - 2022 at AEC.
- Dr. G. Sridevi Acted as **Session Chair** for International Conference on Recent Developments in Electronics and Communication Systems (RDECS) - 2022 at AEC.
- Dr. Yashu Swami Acted as **Session Chair** at 1st International Conference on Recent Development in Electronics and Communication Systems held on July 22-23, 2022 at AEC.
- Dr. Yashu Swami Acted as Resource person in Industrial visit to Sri-Lalita Rice Mills, Peddapuram industrial Area on July 22, 2022.

DEPARTMENT ACTIVITIES

- Department of ECE has Organized a Conference for inviting the faculty/Research mentors/scholars with high quality research papers in the areas of Developments in Electronics and Communication System. The primary goal of the conference is to change the ideas in the existing areas, encourage academic and industry interaction to promote collaborative research activities involving scientists, engineers, professionals, researchers and students on Recent Development in Electronics and Communication System during 22 & 23 July 2022.



STUDENT ACTIVITIES

- Done an Innovative Project on Irrigation Based Soil Moisture Sensor Using Arduino UNO.
- This project describes how irrigation can be handled smartly using IOT. This project aims to save time and avoid problems like constant vigilance. It also helps in conserving water automatically providing water to the plants/fields depending on the water requirements this system can also prove to be helpful in agricultural parks and lawns. The objective system is to detect the moisture content of the soil and depending upon its sprinkling of water.



III ECE-A
A.Devi deekshita
20A91A0403
D. Vyshnavi
20A91A0411
J.Divyakeerthana
20A91A0414
SD. Gousiya
20A91A0448

PLACEMENTS

ADITYA ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

DXC.technology SELECTED STUDENTS

 DAVULURI VENKAT CHARAN TEJA (19A91A0409)	 GARA SWAPNA SANDHYA (19A91A0412)	 GUDDATI KIRTI NAIDU (19A91A0414)	 K.KUMAR RAJESH (19A91A0419)	 K.J.SARAVANAVALLI (19A91A0422)
 K.S.SAI CHINMAYI (19A91A0423)	 M.VEERA MANIKANTA (19A91A0425)	 M.SOMISETTI (19A91A0426)	 A.SIVA (19A91A0422)	 A.SARKAR (19A91A0423)
 CH.ADITYA LAKSHMI (19A91A04D6)	 CH.RAMADEVI (19A91A04D7)	 D.SAI KRISHNA (19A91A04E1)	 G.RENUSRI (19A91A04E4)	 G.SHIPRA (19A91A04E6)

*** Congratulations ***

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