



SENSETRONICS

NEWSLETTER

Volume-11 ISSUE-3(DEC-FEB) 2021-22

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

MISSION 1

Provide quality education, well-equipped laboratory facilities and industry collaboration.

MISSION 2

Promote cutting edge technologies to serve the needs of the society and industry through innovative research.

MISSION 3

Inculcate professional ethics and personality development skills.

FACULTY PUBLICATIONS: JOURNALS

S. No	Authors	Title of the research paper	Name of the journal	Name of the Publisher	Year of publication	Impact factor
1	Ashish K. Rao, Santoshkumar Sabat, Neelam Srivastava, Rajiv K. Singh	Mobile FD-CR with High-Speed VTFET CMOS SOI Switch Under Channel Estimation Error	Silicon https://doi.org/10.1007/s12633-022-01688-6	Springer, Netherlands	2022	2.67
2	Devana V.N.K.R, Satyanarayana V, Lakshmi A.V., Kumar C.M., Ponnappalli V.L.N.P., and Jagadeesh Babu K	A novel compact fractal UWB antenna with dual band notched characteristics	Analog Integrated Circuits and Signal Processing Volume 110, Issue 2, Pages 349 – 360		February 2022	
3	Dr. Yashu Swami	Physical Parameter Variation Analysis on the Performance Characteristics of Nano DG-MOSFETs	Circuits and Systems, Vol. 12, pp. 39-53. https://doi.org/10.4236/cs.2021.124004		2021	Wos
4	G. Sridevi, S. Srinivas Kumar,	A qualitative report on diffusion-based image inpainting models,	International Journal of Computing and Digital Systems. Vol.11, No.1, pp. 369-386, Jan 2022	University of Bahrain Scientific Journals	Jan 2022	Scopus
5	Gudla, Vishnu Vardhan, Vinoth Babu Kumaravelu, and Arthi Murugadass.	Transmit antenna selection strategies for spectrally efficient spatial modulation	International Journal of Communication Systems	Wiley	2022	2.047

		techniques.				
6	SBG Babu, Ch Srinivasa Rao	Efficient detection of copy-move forgery using polar complex exponential transform and gradient direction pattern	Multimedia Tools and Applications	Springer US	2022	2.757
7	Shivam Singh, Y.K.Prajapati	Antimonene-gold based Twin-Core SPR Sensor with Side-Polished Semi-Arc Groove Dual Sensing Channel-An Investigation with 2D material.”	Optical & Quantum Electronics		2022	2.084

CONFERENCES

S.No	Authors	Title of the research paper	Conference Details
1	Sridevi Gamini, VishnuVardhan Gudla	Diffusion driven fractional order image denoising	Advances in Computer Engineering & Communication Technology (ICACET), 2021 (Scopus)
2	Jyothirmai Gandeti, Rajesh Babu K., Indrani Abbireddy, Pavani Bellamkonda, Lavanya Nelakurthi, R.Koteswara Rao	Comparative Analysis Of Drowsiness Detection Using Deep Learning Techniques	2022 International Conference on Computer Communication and Informatics Organized By Sri Shaktthi Institute Of Engineering & Technology, Coimbatore from 25-01-2022 To 27-01-2022
3	Jyothirmai Gandeti,Rajesh Babu, K. G. Keerthi Prasanna Kumari Kavita.	Performance Analysis Of Deep Learning Techniques Based Brain Tumor Segmentation	2022 International Conference on Computer Communication and Informatics Organized by Sri Shakti Institute of Engineering & Technology, Coimbatore from 25-01-2022 To 27-01-2022
4	Dr. Yashu Swami	Exploration and Analysis of Conventional Threshold Voltage Estimation Methods for Advanced Nano MOSFETs	4th International Conference on Modeling, Simulation and Optimization Technologies and Applications (MSOTA2021) held on December 17-18, 2021.
5	GS.Saho Routray,	Extensive Study on Effects of Defects in CZTS/CZTSe Quantum	2021 IEEE 16th Nanotechnology Materials and Devices Conference (NMDC)

	Mishra,	Dots Kesterite Solar	DOI:10.1109/NMDC50713.2021.9677478
6	Rajput, Anagha, VinothBabu Kumaravelu, Arthi Murugadass, and Vishnu Vardhan G	A Two-Stage Fuzzy Logic-Based Distributed Clustering Scheme for Precision Farmland Monitoring	Innovations in Power and Advanced Computing Technologies (i-PACT), pp. 1-6. IEEE, 2021. (Scopus)

SEMINARS / WORKSHOPS / FDPS ATTENDED

S. No	Name of the Faculty	Name of the Event	Month & Year
1	Dr. M Hari Kishor	FDP on AICTE-ISTE sponsored Pedagogy and assessment through digital learning platform	07-12-2021 to 13-12-2021
2	Dr.N.R.Dhinesh babu	FDP on AICTE-ISTE sponsored Thermoelectric Materials and Applications for energy harvesting and power Generation	21-12-2021 to 27-12-2021
3	G.Vishnu Vardhan	30 hours Online short-term course on Machine Learning with Python for Beginners organized by Department of CSE, NIT Warangal in association with Center for Continuing Education	20-12-2021 to 03-01-2022
4	Mr. Shivam Singh	One Week Faculty Development Program (FDP) on “Recent Trends in Photonics Technology” organized by IIIT, Noida, Uttar Pradesh.	2021
5	Mr. Shivam Singh	One Week Faculty Development Program (FDP) on “Emerging Technologies of Opto-VLSI and its Applications” organized by MIET, Meerut, Uttar Pradesh	2021
6	Mr. Shivam Singh	One Week Faculty Development Program (FDP) on “Cyber Security and Cryptography” organized by IIT Roorkee	2021
7	Santoshkumar Sabat	FDP on AI for Communication and Signal Processing Applications (Online) Organised by E & ICT Academy, NIT Warangal, Sponsored by the Ministry of Electronics and Information Technology (MeitY),	31-01-2022 to 09-02-2022
8	Dr.G.Vishnu Vardhan, V.Satyanarayana, Dr.G.Sridevi	Five-day FDP on “Applications of Deep Learning Techniques to 5G Wireless Communication Technologies” organized by the Department of Electronics and Communication Engineering of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai	08-02-2022 to 12-02-2022

AWARDS RECEIVED

S. No	Authors	Award Details	Month & Year	Name of the Publisher/ Organization /Institute
1	Dr. G. Sridevi and Dr. G. Vishnu Vardhan	Best paper award	23/10/2021	ICACET 2021
2	Dr.M Hari kishor	Professor Sabu Thomas Best Thesis Award	December- 2021	M.G.UNIVERSITY, KOTTAYAM, KERALA

FACULTY AS A GUEST LECTURER/ CHAIR PERSON/ COMMITTEE MEMBER

- Dr. Yashu Swami, Acted as Keynote Speaker and Reviewer at 4th International Conference on Modeling, Simulation and Optimization Technologies and Applications (MSOTA2021) held on December 17-18, 2021.
- Dr. Yashu Swami, Acted as Moderator and Reviewer for 2nd International Conference on Nanotechnology and Engineering held on November 15-16, 2021.

DEPARTMENT ACTIVITIES

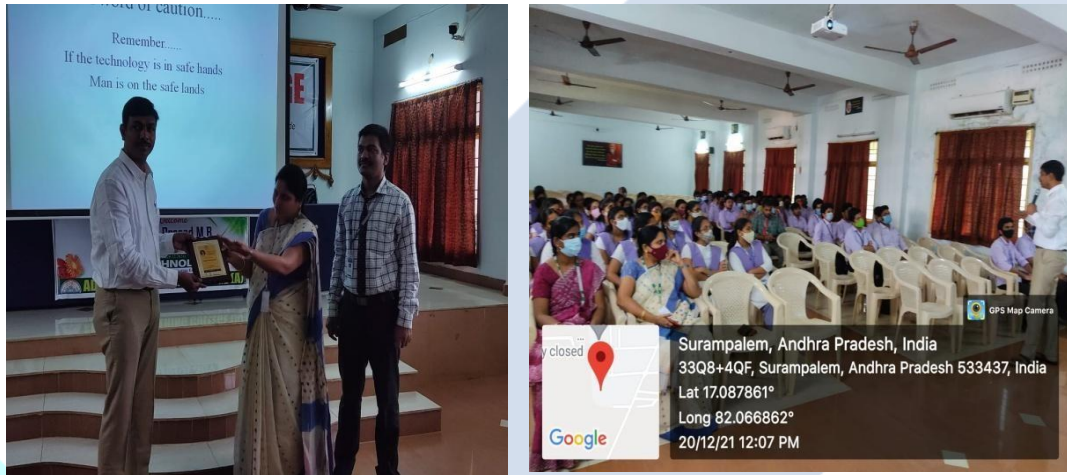
- A guest lecture conducted on “Demystifying 5G” is given by Mr. Ratnakar Rayavarapu, Senior Director, Samsung R&D, Bangalore, India on 08-11-2021.



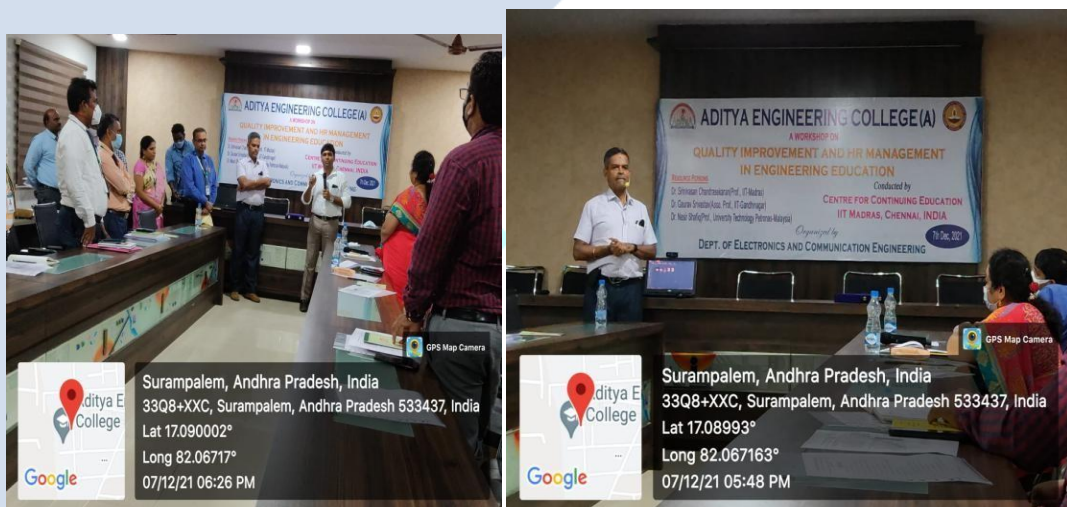
- A guest lecture conducted on “Spectrum Management and Preparation Strategy for GATE, IES and Core Jobs” is given by Mr. G K Reddy, Senior Director, Samsung R&D, Bangalore, India on 29-10-2021.



- A guest lecture conducted on “Nano Technology” is given by Dr .Rajendra Prasad M B, Associate Professor in Physics National Defense Academy, Khadakwasla, Pune on 20.12.2021



- Workshop on “Quality Improvement and HR Management in Engineering Education” is given by Dr .Srinivasan Chandrasekaran(Professor IIT-Madras), Dr.Gaurav Srivastav (Associate Processor, IIT-Gandhinagar), Dr.Nasir Shafiq (Professor, University Technology Petronas, Malaysia),on 07.12.2021.



STUDENT ACTIVITIES

BLANKET DRIVE

For most of us, the idea of winter means cuddling under the blanket for warmth, lying in our comfort zone and sipping coffee sitting beside the fire. But for those on the streets, with every drop in the temperatures it's a fight for survival. Youth Redcross Unit came with an idea of collecting old blankets and clothes from the students and distribute them the needy. Team has made a target of count of the blankets and then campaign was run throughout the campus, set up collection points at hostels and college points for three days. The flow of old clothes was more than the blankets. So, Volunteer team has bought new Blankets and reached the target of no. of blankets. The Distribution has been started at same time of around 9:30 PM in two different locations namely Rajahmundry and Kakinada on 13-11-2021.



PLACEMENTS

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Coforge SELECTED STUDENTS



KARANAM SURYA VAMSI KRISHNA
 18A91A04E7


DUNDI ASSEIN
 18A91A04J1


MEESALA VINEEL SAI
 18A91A04L3

*** Congratulations ***

Management
Staff & Students

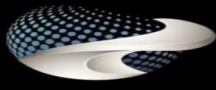


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4.00
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V. Rajyalakshmi
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4.00

L a k h s P e r A n n u m



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B.L. Sowjanya
18A91A04F1



S.Sai Lokesh
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N.S.S.G.S. Varma
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