

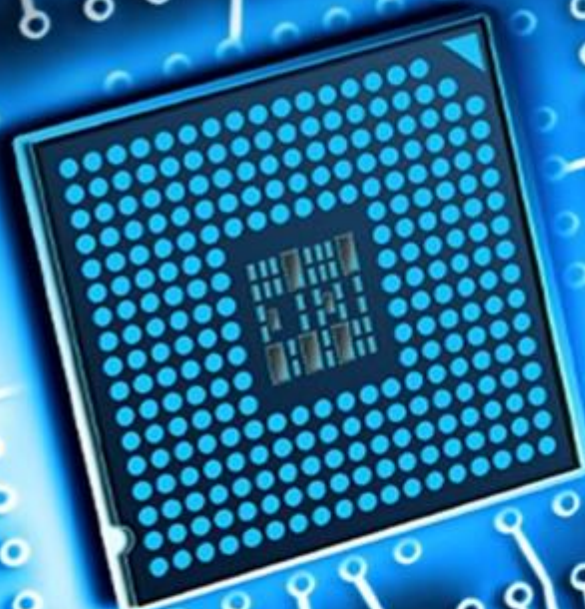


SENSETRONICS

NEWSLETTER

VOLUME : 11 ISSUE :04 (MAR-MAY) 2022-23

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**



ADITYA ENGINEERING COLLEGE(A)
APPROVED BY AICTE
NEW DELHI AND AFFILIATED TO JNTUK, 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 centre 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

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	March-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		2022	3.52
3	Dr.Gudla Vishnu Vardhan, Vinoth Babu Kumaravelu	"Transmit antenna selection strategies for spectrally efficient spatial modulation techniques.	" International Journal of Communication Systems 35.7 (2022): e5099. (SCI		2022	2.04
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 BahrainScientific Journals	2022	Scopus
5	Gudla, Vishnu Vardhan, Vinoth Babu Kumaravelu, and Arthi Murugadass.	Transmit antenna selection strategies for spectrally efficient spatial modulation techniques.	International Journal of Communication Systems	Wiley	May-2022	2.047
6	SBG Babu, Ch Srinivasa Rao	Efficient detection of copy-move forgery using polar complex exponential transform and gradient directio	Multimedia Tools and Applications	Springer US	March-2022	2.757

CONFERENCES

1. Gudla, Vishnu Vardhan, et al. "Performance Evaluation of Fully Quadrature Spatial Modulation under Various Channel Fading Scenarios." 2022 2nd International Conference on Artificial Intelligence and Signal Processing (AISP). IEEE, 2022.

SEMINARS / WORKSHOPS / FDPS ATTENDED

S. No	Name of the Faculty	Name of the Event	Month & Year
1	Mr. B.H.K.Bhagat Kumar	One Week FDP on Soft Computing Techniques on MAT Lab Organized by Aditya Institute of Technology and Management(A),Tekkali.	09-05-2022 to 13-05-2022
2	Mr. A.Konda Babu	5 day online FDP on Inculcating Universal Human Values in technical education organised by All India council for technical education, New Delhi	28-03-2022 to 02-05-2022
3	Mr.M.Neeladri	One Week FDP on Soft Computing Techniques on MAT Lab Organized by Aditya Institute of Technology and Management(A),Tekkali.	09-05-2022 to 13-05-2022
4	Mr. B.H.K.Bhagat Kumar	One Week FDP on Trends and Challenges in Advanced VLSI Organized by SRKR Engineering College(A)	21-03-22 to 26-03-2022

FACULTY AS A GUEST LECTURER/ CHAIR PERSON/ COMMITTEE MEMBER

1. Dr. G. Vishnu Vardhan, Delivered an online Guest Lecture on "Next-generation Wireless Technologies: Promising Research Directions for Antenna Arrays" held by department of Communication Engineering, Vellore Institute of Technology, Vellore on March 29 2022.
2. Dr. N. R. Dhineshababu Delivered a guest lecture on " Discussion & Insight of TEM and UV spectroscopy " organized by Department of Communication Engineering, School of Electronics Engineering, Annai Vailankanni College of Engineering, March 2022.
3. Dr. Rajyalakshmi Uppada acted as a "Remove Laws that Harm & Create Laws that Empower" on Zero Discrimination Day", hosted by the department of ECE, Aditya Engineering College (AEC), March 2022.

DEPARTMENT ACTIVITIES

1. A guest lecture conducted on "GATE" is given by Mr. Suresh VSR, EC GATE Academy on 13-05-2022



2. A guest lecture conducted on “Application of Control System in Aircrafts” is given by Dr.Krishna Mohan, Director, MOOG India Technology center on 02-05-2022.



- 3.A guest lecture conducted on “Scope and opportunities in VLSI design” is given by V V D Siva Sai Ravi Teja, Analog lay out Engineer, Texas Instruments, Bengaluru.



STUDENT ACTIVITIES

An Industrial Visit On 30th May 2022 , 110 students with 4 lecturers of Electronics and Communication Engineering Department went for an Industrial Visit to Sriharikota, SHAR operated by ISRO.



PLACEMENTS

Name of the student	Company	
SATYA SOWMYA AKKINA 18A91A0401	MPHASIS, CAPGEMINI	
ANGARA ADITYA SURENDRA 18A91A0402	VALUEMOMENTUM, WIPRO	
BATTULA VEERA NAGA LOVA GANGA SRI LAKSHMI 18A91A0403	TOLLPLUS	
BILLAKURTHI SRI RISHI ANIL REDDY 18A91A0404	DXC, APISERO	
CHEERLA NAGA PAVAN KALYAN 18A91A0405	MPHASIS, CAPGEMINI	
CHODE SIVA KALYANI 18A91A0406	WIPRO, TECHMAHINDRA	

DUDDUPUDI DRONESWAR CHOWDARY 18A91A0409	DXC, WIPRO, BOSCH GLOBAL SOFTWARE	
EMANI LAKSHMI BHAVANI 18A91A0411	DXC, DIGITALTRUST, TCS NINJA, WIPRO, TECHMAHINDRA	
GADIYAKARI ROSHAN PRANEETH 18A91A0412	ATOS GLOBAL	
GALLA SRINIVAS18A91A0413	DXC	
GANTI SATYA SYAMALA18A91A0416	DXC	
INDUKURI SAI RAVI VARMA18A91A0419	DXC, TCS NINJA, WIPRO	
JAGATA SIVARAMAKRISHNA GANESH18A91A0420	HEXAWARE, MPHASIS, APISERO, TCS DIGITAL	
JOGA SAI SYAMALA18A91A0421	CAPGEMINI, VALUEMOMENTUM, TCS NINJA, WIPRO	
KILAPARTHI SURYA SAI MUKUNDA PRIYA SRI18A91A0423	VALUEMOMENTUM	
MADDA DURGA PRASAD18A91A0426	COFORGE	
MANEPALLI MOHANA SNIGDHA18A91A0427	HEXAWARE, MPHASIS, TECHMAHINDRA	
MANIKONDA GEETHA SREE18A91A0428	MPHASIS	
MATTAPARTHI ANITHA18A91A0429	VALUEMOMENTUM	
MEESALA AKHILESWAR CHARAN TEJA 18A91A0430	WIPRO	
MOLLETI LOKESH 18A91A0431	VALUEMOMENTUM	
NALLAMILLI SAI 18A91A0432	DXC, WIPRO	
NAMMI SAI RISHITHA18A91A0433	DXC	
NARUMANCHI RAJYALAKSHMI TEJASWINI18A91A0434	MPHASIS, VALUEMOMENTUM	
NELLI MOUNIKA18A91A0436	DXC	
NITTALA SOMA SEKHARA PRABHAT KUMAR18A91A0438	DXC, APISERO, TCS NINJA	
PALA TEJA MALLI KISHORE18A91A0440	DXC, WIPRO	
PALURI RAMYA18A91A0441	CAPGEMINI, TCS NINJA, BOSCH GLOBAL SOFTWARE	
PENKE KAVYA18A91A0442	QUEST GLOBAL COFORGE TOLLPLUS	
PHANIRAM18A91A0443	DXC, TCS NINJA	

PIDUGU BHANU VINAY18A91A0444	DXC	
RAGIREDDY SAI KIRAN18A91A0446	DXC, TCS NINJA, BOSCH GLOBAL SOFTWARE	
REDDI BHAVANA18A91A0447	ATOS GLOBAL	
SADHANALA SIRISHA18A91A0448	VALUEMOMENTUM	
SARIKA DEEPTHI 18A91A0449	MPHASIS, ZENSAR TECHNOLOGIES	
SATYAVARAPU SRILAKSHMI NAVYA 18A91A0450	DXC	
VANARASI KRISHNA KARTHIK 18A91A0454	CAPGEMINI, TCS NINJA, WIPRO	
VANKA VEERA VENKATA DURGA PRASADA18A91A0455	MPHASIS, WIPRO BOSCH GLOBAL SOFTWARE TECHMAHINDRA	
YALAMPALEPU DHANA SUNIL18A91A0457	DXC, TCS NINJA, WIPRO, DIGITALTRUST BOSCH GLOBAL SOFTWARE	
YELAMANCHILI K B N SAI SRI RAM 18A91A0459	VALUEMOMENTUM	
CHAKKA LAKSHMI SATYA VENKATA DURGA 18A91A0466	DXC, TCS NINJA	
CHALAPATHI HARIKA 18A91A0467	CAPGEMINI	
CHALLA LAVEENA CHANDANA 18A91A0468	COFORGE	
CHINTADA TARUN TEJA 18A91A0470	TCS NINJA	
CHITRADA PURNA RAHUL 18A91A0471	COFORGE	
DASARI PRABHU TEJA 18A91A0472	ATOS GLOBAL	
DHANALAKOTA VISHNU PRIYA 18A91A0473	WIPRO	

DHULIPUDI PRATHYUSHA 18A91A0475	DXC, WIPRO, BOSCH GLOBAL SOFTWARE TECHMAHINDRA	
GANESULA MANIKANTA 18A91A0476	MPHASIS, VALUEMOMENTUM, TECHMAHINDRA	
GANTADA SAI PRAKASH 18A91A0477	DXC, WIPRO	
GOLLAPALLI USHA YASASWI 18A91A0479	MPHASIS, CAPGEMINI, WINWIRE TECHNOLOGIES	
GOPI CHANDRA VINEELA 18A91A0480	DXC, BOSCH GLOBAL SOFTWARE	
IDARAPALLI SANTHOSHI SOWGANDHI 18A91A0482	VALUEMOMENTUM, WIPRO, DIGITALTRUST TECHMAHINDRA	
ILLURI PREMCHAND 18A91A0483	WIPRO	
KARRI VEDA SRUJANA REDDY 18A91A0487	DXC, WINWIRE TECHNOLOGIES	
KOMMOJU SUDHEER RAJ 18A91A0488	ATOS GLOBAL	
MATTA KIRAN 18A91A0489	CAPGEMINI	
MEDAPATI APPA REDDY 18A91A0490	CAPGEMINI, TCS NINJA	
MEDAPATI MANIKUMAR REDDY 18A91A0491	TCS NINJA, TECHMAHINDRA	
MEESALA MEENAKSHI 18A91A0492	COFORGE VISTEX	
MELAM SUSHMA SHREE 18A91A0493	ATOS GLOBAL	
MUPPIDI PAVAN 18A91A0494	ZENSAR TECHNOLOGIES	

NEDURI RAJANI 18A91A0496	WIPRO	
NUNNA KUSUMA KALYAN 18A91A0497	INFOSYS HACKWITHINFY, MPHASIS, KEKA, CAPGEMINI, TCS DIGITAL MAERSK	
NURUKURTHI VASU 18A91A0498	DXC, WIPRO	
PADALA SUPRIYA 18A91A04A0	MPHASIS	
PEETHA DEVI TEJASWINI 18A91A04A2	ATOS GLOBAL	
POTU HARI PRIYA 18A91A04A5	VALUEMOMENTUM	
PUNYAMURTHULA KAMALA HARSHITHA 18A91A04A6	HEXAWARE, DXC, BOSCH GLOBAL SOFTWARE	
SAMANASA SATYA NAGA TULASI 18A91A04A9	DXC	
SATYAM KANAKA SUREKHA 18A91A04B0	VALUEMOMENTUM, BOSCH GLOBAL SOFTWARE	
SHEIK MAHBOOB BHASHA 18A91A04B2	ATOS GLOBAL	
SOMAROUTHU VENKATA VAMSI 18A91A04B3	CAPGEMINI, VALUEMOMENTUM	
THOTA HARI SRI DURGA PRASAD 18A91A04B6	DXC, BOSCH GLOBAL SOFTWARE	
VATTURI ANVITHA 18A91A04B8	DXC, WIPRO, WINWIRE TECHNOLOGIES BOSCH GLOBAL SOFTWARE	
VELLANKI UDAYSAGAR18A91A04B9	ZENSAR TECHNOLOGIES	
YARRAMNEEDI SRI LAKSHMI DEVI18A91A04C0	VALUEMOMENTUM	

GOLUGURI JYOTHSNA SRI KAVYA19A95A0402	CAPGEMINI, BOSCH GLOBAL SOFTWARE	
SUNKARA VENKATA RAMANA19A95A0405	WIPRO	
TALARI SWATHI 19A95A0406	ATOS GLOBALMEDIAMINTBOSC H GLOBAL SOFTWARE	
YERRABATHULA SATYA19A95A0407	TCS NINJA, WIPRO, TECHMAHINDRA	
GANDEPALLI UNIKA SUBHA19A95A0408	APISERO	
GOLI SRI VENKATESH CHOWDARY19A95A0409	MPHASIS, VALUEMOMENTUM, INNVENIO BUSINESS SOLUTION	
MANDA PALLAVI19A95A0410	MPHASIS	
MARISSETTI DHANA LAKSHMI19A95A0411	DXC, ZF INDIA PVT LTD, TECHMAHINDRA	
NAKKA PRASANNA DEEPIKA19A95A0412	ZF INDIA PVT LTD	
PERURI VENKATA JANAKI DURGAPRASAD19A95A0413	MPHASIS, CAPGEMINI, TCS NINJA	
ADDANKI HARIKA18A91A04C1	CAPGEMNI,VALUE MOMENTUM	
ANUSHA AVALA18A91A04C4	DXC,TCS	
ARIGELA KASIPRASAD18A91A04C5	ZENSAR TECH	
CHIRLA SURYA 18A91A04C9	VALUE MOMENTUM	
DONTHABATHULA SIREESHA 18A91A04D1	VALUE MOMENTUM	
GADDE LAKSHMI AISHWARYA18A91A04D3	DXC	
GANDHAM SRINIVAS18A91A04D4	DXC	
GAYAM SIVA NAGA RAJU18A91A04D5	CAPGEMNI,WIPRO,BOSCH	
JAGARAPU UDAY DURGA BHASKAR18A91A04E0	WIPRO	
JAMI BHAVYA18A91A04E1	MPHASIS,CAPGEMNI,TCS,W IPRO	
KAMPARAM DEVI VARA PRASAD18A91A04E4	VALUEMOMENTUM	
KARANAM SURYA VAMSI KRISHNA18A91A04E7	COFORGE	
KOMMULA SIVA RAMA KRISHNA PRASAD18A91A04E8	MPHASIS	
KOPPULA SUSHMA, 18A91A04E9	DXC,	

LAKSHMI SOWJANYA BADUGU18A91A04F1	CAPGEMNI	
MADDURI DEVI VARAPRATAP18A91A04F2	CAPGEMNI,VALUE MOMENTUM	
MANDIPUDI NIHARIKA18A91A04F3	MPHASIS	
MARNI SUSHMASRI18A91A04F4	DXC,ZF INDIA	
MATTA DIVYA NANDANA18A91A04F5	DXC	
MEDAPATI RITESH REDDY18A91A04F6	HEXAWARE,WIPRO	
MEGHAM RAGA PRANATHI18A91A04F7	DXC	
MELLIMI SANKEERTHANA18A91A04F8	MPHASISCAPGEMNI,WIPRO	
MODALI SAI SRINIVASA ANKIT18A91A04F9	DXC,TCS	
MOHAMMAD SABIHA SULTHANA18A91A04G1	DXC ,WIPRO	
NARAYANASETTY VENKATA SAIRAM18A91A04G3	DXC , WIPRO,BOSCH, TECH MAHINDRA	
NARIGIRI SAI SRIHITHA 18A91A04G4	CAPGEMNI	
OGUBOINA PRASANTH KUMAR18A91A04G6	DXC	
PADALA SATHI REDDY18A91A04G7	WIPRO,TCS	
PYDIPALLI SAIACHYUTH 18A91A04H0	DXC,WIPRO	
REDDY LAKSHMI 18A91A04H2	DXC	
SANJAY VAISHNAW 18A91A04H3	CAPGEMNI	
SANKISA ANIL KUMAR18A91A04H4	DXC	
SYED BHANU AKTHARUN 18A91A04H6	DXC,HEXAWARE,TCS	
VELPURI NITHIN BALAJI18A91A04H7	DXC,WIPRO	
VELUGOTLA GEETHA BHARGAVI NAGAJYOTHI18A91A04H8	VALUE MOMENTUM,WIPRO	
YAMAJALA NAGA PRANATHI 18A91A04H9	HEXAWARE	
ALLADA SUPRIYA18A91A04I0	ZENSER TECH	
BASAVA DHARMENDRA18A91A04I3	DXC	
CHEEPURUPALLI RAJESWARI18A91A04I5	VALUE MOMENTUM,WIPRO	
DASU VEERA VENKATA SATYA HARISH18A91A04I8	DXC,WIPRO	
DHARA NITHIN DATTA18A91A04I9	MPHASIS	

DONTABHAKTUNI VINEETH KUMAR18A91A04J0	DXC	
DUNDI ASSEIN18A91A04J1	COFORGE, ATOS	
GANIREDDY RAMADEVI18A91A04J2	DXC, APISERO	
GATTA VENKATA SAI PRASANNA18A91A04J3	DXC, TCS, WIPRO, BOSCH	
GONIKA PUNYAVATHI18A91A04J4	DXC, TCS, WIPRO, INN	
GOLUSU HEMA LATHA18A91A04J5	WIPRO	
GUDAPATI SRI SAI SUDHEER18A91A04J6	DXC	
KAGITA VARUN18A91A04J8	CAPGEMNI, WIPRO, TECH MAHINDRA	
KAMANA PRIYA ISHWARYA18A91A04J9	VALUE MOMENTUM	
KANDI CHANDANA SRI18A91A04K0	TCS, WIPRO	
KAPA VENKATA CHAITANYA18A91A04K2	CAPGEMNI	
KARRI DIVYA JYOTHI18A91A04K3	VALUE MOMENTUM, WIPRO	
KONA LEELA KRISHNA 18A91A04K5	DXC, TCS, WIPRO	
KORNI RAJENDRA NAIDU18A91A04K7	VALUE MOMENTUM, TCS, WIPRO	
MANDELA TARAKA LALITHA SOWJANYA18A91A04L0	WIPRO, TECH MAHINDRA	

EDITORIAL BOARD

Editor-in-Chief

Dr.M.Sreenivasa Reddy, Director

Associate Editors

Dr. G.Sridevi, Professor & HOD

Mr.V.Satyanarayana, Assistant Professor

Mrs.G.Jyothirmai, Assistant Professor

Mr. Bhagat Kumar, Assistant Professor

Assistant Editors

P.Sai Achyuth, IV B.Tech

G.Tarun, IV B.Tech

P. Dhanunjay, III B.Tech

P.Greeshmanth, III B.Tech

G.Praveen, III B.Tech

B.Sai Teja, III B.Tech

T.D.K.V.V.S.Sairam, II B.Tech

V.Edukondalu, II B.Tech