DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

ADITYA ENGINEERING COLLEGE (A)
Approved by AICTE
New Delhi and Affiliated to JNTU Kakinada

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering (ECE) was established with the inception of the college in the year 2001 with an intake of 60 students and now it has been expanded to an intake of 240 students. It offers a Master's program in VLSI Design with a current intake of 12 students. The department has dedicated faculty and well-equipped laboratories like Electronic Devices and Circuits lab, Microwave Engineering and Optical Communication Lab, Digital Signal Processing lab, Project lab, etc, to provide a platform for practical aspects of learning.

The Department of ECE has an IETE student forum, under which the department organizes professional activities including guest lectures, workshops, and seminars, technical festivals SPARK under the umbrella of VEDA to enrich the knowledge of students. For better placements, we have a strong technical team (Technical hub) to train our students in coding practices and problem-solving skills.

The department has signed MOUs with Electropro Pvt.Ltd, Edgate Technologies &Texas Instruments, and Tessolve Semiconductor Pvt. Ltd. We are happy to say that our college is having MoUs with Andhra Pradesh State Skill Development Centre (APSSDC), Applied Robot Control (ARC), AWS Educate, Ui Path, CISCO, Salesforce, Oracle Academy, etc. We are very happy to say that most of our students have been trained and certified in various new technologies and trends which are necessary for the current industries from the first year onwards. We are glad to share this message of our students have been placed with the highest package of 12 lakhs.

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 DEPARTMEN

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

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

The graduates of the Program will

PEO1: Adapt the learning culture needed for a successful professional career and pursue research.

PEO2: Build modern electronic systems by considering technical, environmental and social contexts.

FACULTYPUBLICATIONS

JOURNALS

S.No.	Name of the Faculty as Author	Title of the Paper	Name of the Journal	ISSN Number	Month	UGC/SCIE/Scopus	URL/DOI
1	Dr. G. Sridevi	Homomorphic filtering for the image enhancement based on fractional-order derivative and genetic algorithm	Computers and Electrical Engineering	1879-0755	March	SCIE	https://www.sciencedirect.com/science/article/abs/pii/S0045790622007819
2	Dr. Rajyalakshmi Uppada	Computer aided fusion based neural network in application to categorize tomato plants	Signal, image and video Processing	1863-1711	March	SCIE	http://doi.org/10.1007/s11760-023-02551-w
3	Dr. Tathababu Addepalli	Design of Novel Compact Eight Element Lotus Shaped UWB-MIMO Antenna with Triple-notch Characteristics on Hollow Substrate	International Journal of Communication Systems	1099-1131	March	SCIE	https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5465
4	Dr. Tathababu Addepalli	A Novel Conformal Quasi-Yagi Antennawith Offset Feed for High Directional 300GHz Applications	IEEE Access	2169-3536	April	SCIE	https://ieeexplore.ieee.org/document/10097487

PHD AWARDED

- Dr.K.Ayypaswamy,Sr.Asst.professor Dept of ECE has been Awarded Doctor of Philosophy entitled "Design and Real-time Implementation of Parallel Structure Based Reconfigurable Filter bank and DCT Based Hearing Aid Algorithms" from VIT Vellore in the specialization of Signal Processing.

Hearty Congratulations

Dr. K. AYYAPPA SWAMY
Sr. Asst. Professor,
Dept of Electronics and Communication Engineering.

For being awarded Ph.D. by
VELLORE INSTITUTE OF TECHNOLOGY, VELLORE.

ADITYA ENGINEERING COLLEGE (A)

FDP ATTENDED BY FACULTY

S.No.	Name of the faculty	Designation	Name of the Programme	Dates	Organization
1	Dr. V.N. Koteswara Rao Devana	Associate Professor	Design and Fabrication of VLSI and Nanomaterial-based Sensors	4th to 7th March 2023	Vellore Institute Technology, Chennai
			The Key Enablers for Future Communication	26th to 28th March 2023	Vellore Institute Technology, Chennai
			Role of Communication Engineering in IoT/IOMT	3rd to 7th April 2023	Vellore Institute Technology, Chennai
			Deep Learning and Artificial Intelligence-based Digital Image Processing	24th to 26th April 2023	Vellore Institute Technology, Chennai
2	Dr.Arigela Laxmana Siridhara	Associate Professor	Design of High Frequency Antennas for Real Time Applications--DHARA-2023	14th to 18th March 2023	GMR Institute of Technology and V R Siddhartha Engineering College, Andhra Pradesh
3	Dr.Addepalli TathaBabu	Associate Professor	Design of High Frequency Antennas for Real Time Applications--DHARA-2023	14th to 18th March 2023	GMR Institute of Technology and V R Siddhartha Engineering College, Andhra Pradesh
4	Mr.G.Rama Naidu	Assistant Professor	Design of High-frequency Antennas for Real-time Applications	14th to 18th March 2023	GMR Institute of Technology, Rajam & V R Siddhartha Engineering College, Vijaywada

FDP ATTENDED BY FACULTY

STUDENT ACTIVITIES

Students Participations in Technical Events

S.No.	Name of theStudent	Name of the Event	Event Attended	Venue	Dates of the Event
1.	GantaAbisha	IETE Student Forum	Workshop on Hands on Programming with Verilog HDL	Usha Rama College of Engineering and Technology, Telaprolu, Krishna	17th,18th Mar 2023
2.	Dhanyamraju Vyshnavi	IETE Student Forum	Workshop on Hands on Programming with Verilog HDL	Usha Rama College of Engineering and Technology, Telaprolu, Krishna District	17th,18th Mar 2023
3.	Kapaganti Uday Lakshmi Nanditha	IETE Student Forum	Workshop on Hands on Programming with Verilog HDL	Usha Rama College of Engineering and Technology, Telaprolu, Krishna District	17th,18th Mar 2023
4.	Madhuri Kotikalapudi	ESPARX 2K23	Tech Buzz	JNTUK, University College of Engineering, Kakinada	19th Mar 2023
5.	Yerikireddy Durga Sravani	ESPARX 2K23	Tech Buzz	JNTUK, University College of Engineering, Kakinada	19th Mar 2023
6.	VayiladaMaanasa	ESPARX 2K23	Tech Buzz	JNTUK, University College of Engineering, Kakinada	19th Mar 2023
7.	Sada Ganga Vara Lakshmi	ESPARX 2K23	Tech Buzz	JNTUK, University College of Engineering, Kakinada	19th Mar 2023

Innovation Project

- An Innovative project on **FIRE DETECTION USING WITH FLAME SENSOR** done by the Students to detect fire detection system which is intended to facilitate the evacuation of them at the earliest possible time. And also to put out the fire immediately so that loss of property can be prevented and downtime mitigated through early detection for operations.
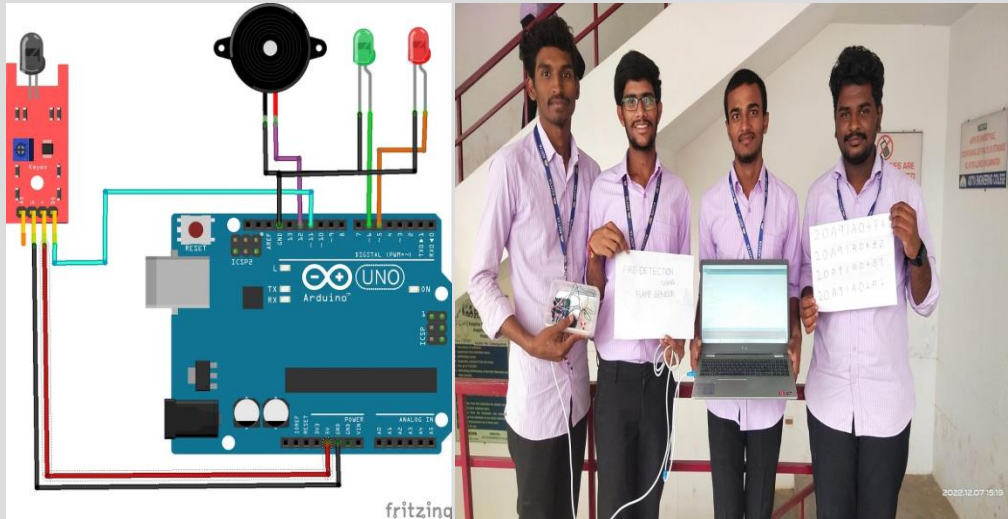
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III ECE-B

The main objective of this project is designed to generate alerts and warnings before smoke becomes even a consideration. The room temperature changes then the heat sensors react. As soon as the room temperature rises above 60 Celsius, a notification signal will be transmitted from the heat detector to an alarm panel and will trigger an alarm that alerts the residents. The fire detection system is intended to warn them and to facilitate the evacuation of them at the earliest possible time. And also to put out the fire immediately so that loss of property can be prevented and downtime mitigated through early detection for operations.

Acheivers Day Celebration

- Total of 287 Students got Selected in various Companies on Behalf of this Management and Staff Invited Parents and Students of Selected Acheivers and Celebrated Achievers day.
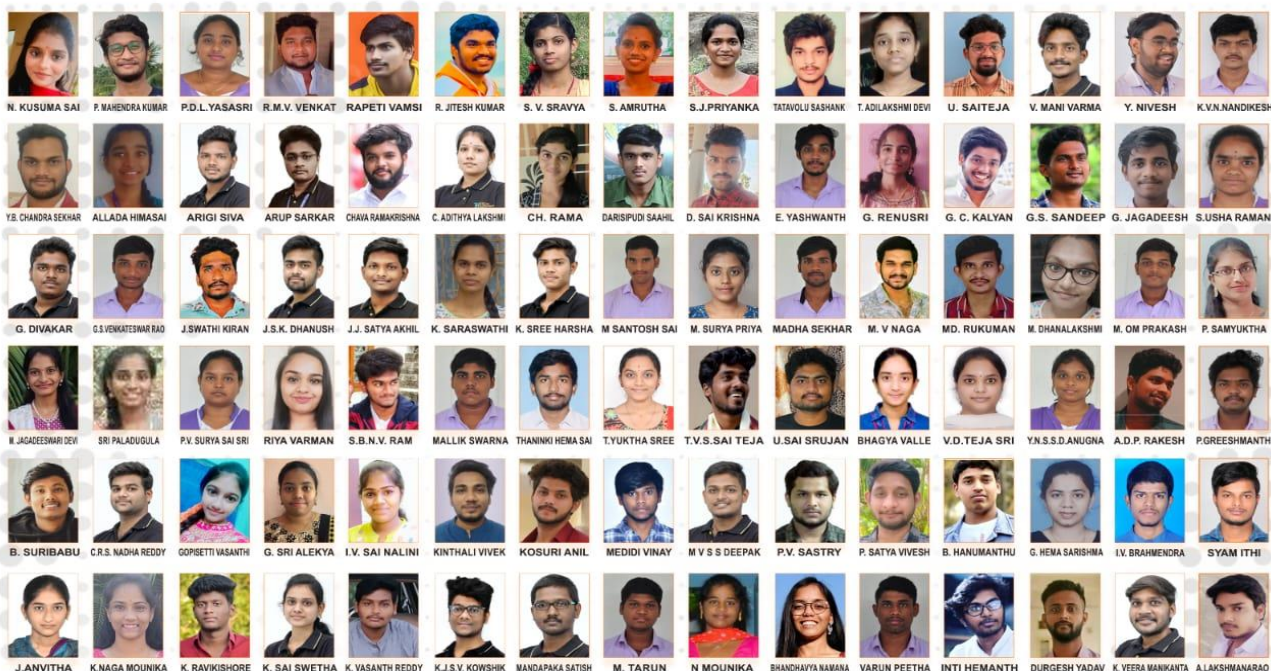
ADITYA ENGINEERING COLLEGE (A)
ACHIEVERS DAY – 2023
DEPT. OF ELECTRONICS & COMMUNICATION ENGG.

N. KUSUMA SAI	P. MAHENDRA KUMAR	P.D.L.YASASRI	R.M.V. VENKAT	RAPETI VAMSI	R. JITESH KUMAR	S. V. SRAVYA	S. AMRUTHA	S.J.PRIYANKA	TATAVOLU SASHANK	T. ADILAKSHMI DEVI	U. SAITEJA	V. MANI VARMA	Y. NIVESH	K.V.N.NANDIKESH
Y.B. CHANDRA SEKHAR	ALLADA HIMASAI	ARIGI SIVA	ARUP SARKAR	CHAVA RAMAKRISHNA	C. ADITHYA LAKSHMI	CH. RAMA	DARISIPUDI SAAHIL	D. SAI KRISHNA	E. YASHWANTH	G. RENUSRI	G. C. KALYAN	G.S. SANDEEP	G. JAGADEESH	S.USHA RAMANI
G. DIVAKAR	G.S.VENKATESWAR RAO	J.SWATHI KIRAN	J.S.K. DHANUSH	J.J. SATYA AKHIL	K. SARASWATHI	K. SREE HARSHA	M SANTOSH SAI	M. SURYA PRIYA	MADHA SEKHAR	M. V NAGA	MD. RUKUMAN	M. DHANALAKSHMI	M. OM PRAKASH	P. SAMYUKTHA
M. JAGADEESWARI DEVI	SRI PALADUGULA	P.V. SURYA SAI SRI	RIYA VARMAN	S.B.N.V. RAM	MALLIK SWARNA	THANINKI HEMA SAI	T.YUKTHA SREE	T.V.S.SAI TEJA	U.SAI SRUJAN	BHAGYA VALLE	V.D.TEJA SRI	Y.N.S.S.D.ANUGNA	A.D.P. RAKESH	P.GREESHMANTH
B. SURIBABU	C.R.S. NADHA REDDY	GOPISETTI VASANTHI	G. SRI ALEKYA	I.V. SAI NALINI	KINTHALI VIVEK	KOSURI ANIL	MEDIDI VINAY	M V S S DEEPAK	P.V. SASTRY	P. SATYA VIVESH	B. HANUMANTHU	G. HEMA SARISHMA	I.V. BRAHMENDRA	SYAM ITHI
J.ANVITHA	K.NAGA MOUNIKA	K. RAVIKISHORE	K. SAI SWETHA	K. VASANTH REDDY	K.J.S.V. KOWSHIK	MANDAPAKA SATISH	M. TARUN	N MOUNIKA	BHANDHAVYA NAWANA	VARUN PEETHA	INTI HEMANTH	DURGESH YADAV	K. VEERA MANIKANTA	A.LAKSHMANARAO

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P PRAVALIKA	P.S.SUPRAJA	P.Siva Kumar	R.PRAVALLIKA	Vara Lakshmi	S.SATWICA	S.Bhanu Prasad	TADI MANJU	T RISHITHA	T.SASI SAI	V.MAANASA	Y.G.S.VINAY	Y.D.SRAVANI	A.ANAND	AJAY NALLA
A.SARADA DEVI	CHAKRA GANGA	B.K.SOWJANYA	EPIL BEAUTY	G.JYOSHNA	G.S.SANDHYA	G.Kirti Naidu	G.SAI TEJA	K.SAI SANDEEP	K.RAJESH	K.CHATURYA	K.NOJITHA	K.JAHNAVI	K.S.S.CHINMAYI	K.L.PRASANNA
M.V.MANIKANTA	S.MADHUSUDAN	M.SWAMY	RACHITH.M	ADITHYA NALABAI	N.V.R.SAIRAM	P.CH.Swarna Bala	P.SHANMUKHA	VENKATA SATISH	Mehar Srinivas	R. RAJESH	R.DHEERAJA	R.SURESH	REPAKA SURESH	RYALI NIHARIKA
T.SAI SAKETH	TEJASWINI	SIDDULA RENUKA	GANESH S	S.SIVA KUMAR	S. ANUSHA	N.SRAVAN	S.GANESH	U.V.V.RAKESH	HARSHITHA	V.G.AVINASH	V.SAILAJA	VUNDRU BHUVI	Y.V.V.VANDANA	A.RAMYASRI
A.S.D.KIRAN	MANI MOHAN	CHANDRA SEKHAR	D.S.V.DINESH	D.TEJASWI	G.MOUNIKA	MAHESH BABU	J. VARSHITH	K.P.CHANDU	K. RAJEEV	KILLI BHARGAVI	K.RAVITEJA	K.SIVA KUMAR	M.P.AKSHAYA	ManoharBabu
BHASKARA VARMA	MIDDE SAVITRI	MD SHAMEEM	M.REVANTH	Uday Mylavarapu	N.RUCHITHA	D.UTTEJ	G.SRI SUJA	K.ARAVIND	R.SWARNA KUMAR	JAMI NANDINI	JESU SATISH	SRI PYLA	SAI BODDU	BUDDIGA SUNIL