

SIDDHARTHA INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUH & Courses (CSE,ECE,EEE)Accredited by NBA,NAAC-A+)

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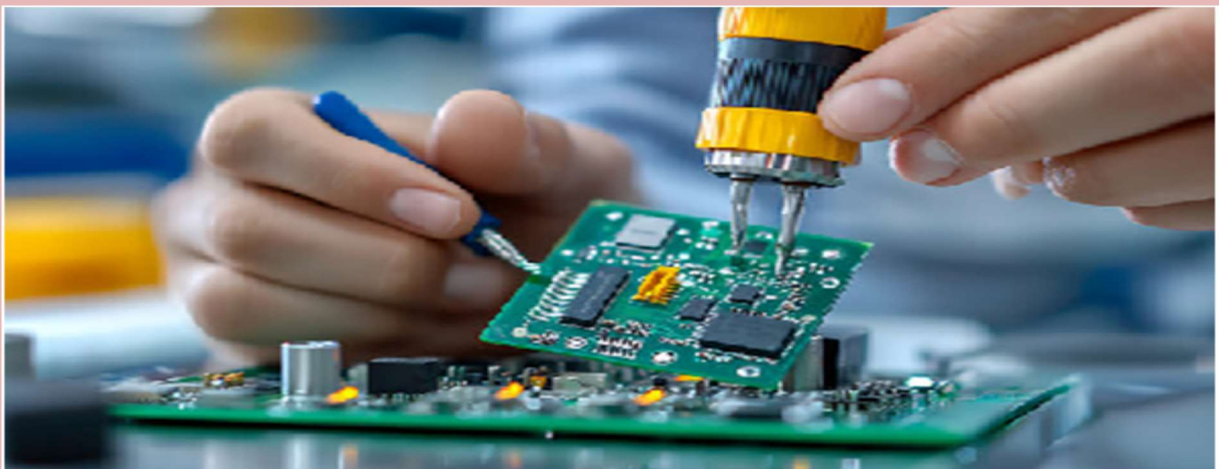
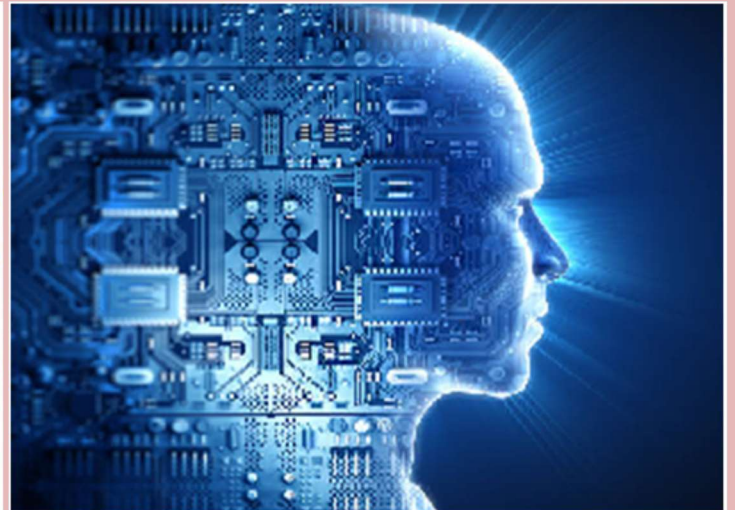
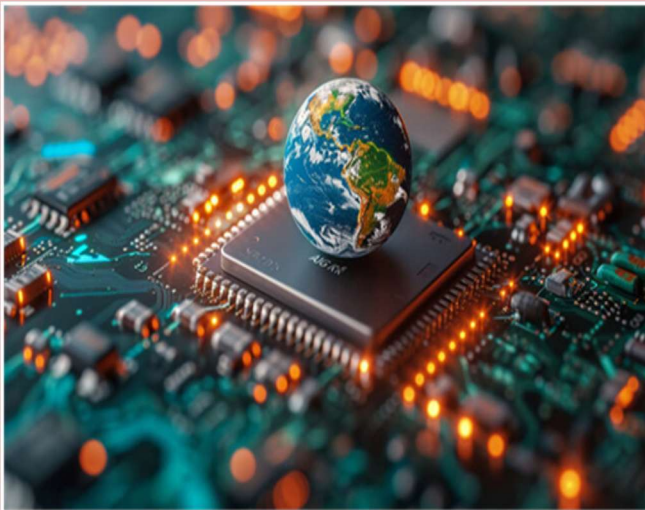
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NEWS LETTER

Department of Electronics & Communication Engineering

DECEMBER 2024



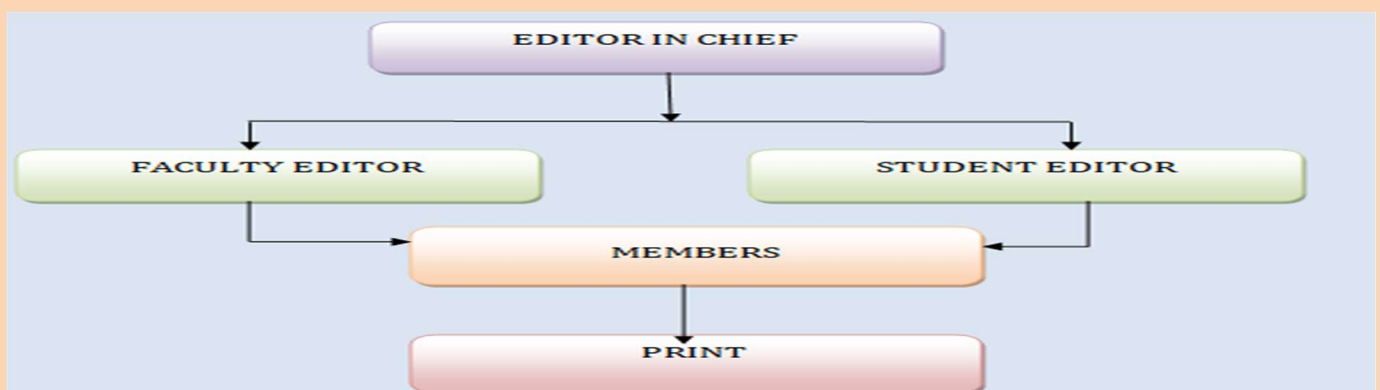
Department of Electronics & Communication Engineering

Publication of Newsletter

- Departmental all the events and activities are published in the newsletter "CIRCUIT SPARK"

EDITORIAL BOARD FACULTY & STUDENT

Editor in Chief	Dr.FARHA ANJUM (Head of the Department)
Faculty Editor	Dr.M .PUSHPALATHA
Student Editor	G. PRAVEEN KUMAR
Faculty Members	Dr.T.KRISHNARJUNA RAO , G.SAIRAM,P.RUTH
Student members	CH .RISHITHA, A.SUGUNA ,G.SRUJAN



Process of News Letter

ABOUT THE DEPARTMENT:

The department of ECE was established in the year 2008 at the time of inception of the institute. The department offers one under graduate B.Tech course and two post graduate programmes M.Tech with specialization in VLSI design and embedded system and VLSI systems design respectively. The ECE department is one of the significant departments of SIEI in terms of student strength and number of academic programmes. Highly dedicated and dynamic faculty is the strength of the department. The faculty aims to work towards establishing an excellent teaching and learning environment with to be in pace with emerging trends and technologies.

The department has good infrastructure with advanced laboratories. These are access to high end MATLAB, XILINX, MENTO GRAPHICS, KIEL.ELECTROMAGNETIC SIMULATORS.

HOD MESSAGE

I congratulate all the students, who opted for Electronics and Communication engineering branch. It was established in the year 2008 during the inception of the Institute. The department has two sections of U.G (ECE) program and one P.G (VLSI & Embedded Systems) program. It has highly qualified, experienced and enthusiastic faculty whose expertise in academics and research is the backbone of our success. Faculty contributes in novel projects, patents, and publications.

Electronics and Communication Engineering aims at creating new artifacts, algorithms, processes and systems that provide services to human by playing a crucial role in modern technology and shaping the future of communication, electronics, and related industries. The department has well-equipped state-of-art laboratories of Electronic Devices & Circuits, Pulse, Digital & IC circuits, Basic Simulation, Communications, Digital Signal Processing, Microwave & Optical Communications and Microprocessors. Advanced research laboratories include VLSI Center of Excellence, Embedded Systems and Advanced Communications labs. Software available includes latest versions of MATLAB with several tool boxes, Mentor graphics, Xilinx and Co-design tools, to name a few. It has infrastructural facilities required for imparting high quality education and the department is fully structured to meet the contemporary needs of the industry. Apart from the regular labs.

The department also established specialized lab on printed circuit Board Design to make the students excel, in core field with a legacy of excellence and a vision for an impactful future, we are committed to nurture the next generation of innovators and leaders. Join us in this exciting journey and become a part of a thriving community that inspires, innovates, and excels. Together, let us redefine possibilities and shape the future technologies.

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VISION OF THE DEPARTMENT:

DV	To provide valuable resources for industry and society through excellence in technical education and research.
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MISSION OF THE DEPARTMENT:

DM1	To educate the students with the state of art technologies to meet growing challenges of the industry.
DM2	To carry out research through constant interaction with research organization and industry.
DM3	To equip the students with strong foundations to enable them for continuing education.

BEST PRACTICES IN DEPT OF ECE

-  **Academic Excellence Through Experienced Faculty Members.**
-  **Orientation Program-2024**
-  **Bathukamma Festival Celebrations-2024**
-  **Faculty Development Programs Attended by the Faculty**
-  **R& D Activity on VLSI Technology**
-  ***Siddhastha, Project Expo***
-  ***Antidrug Awareness Program***
-  **Graduation Day Celebrations**
-  ***Ideathon***
-  **Cultural Day and Matrubasha Diwas**
-  **Seminar On Higher Education**
-  **Alumni Meet**
-  ***Students Achievements 2024***
-  **Industrial Visits**
-  ***Rangoli Competition***
-  **Faculty Attended NPTEL Courses**

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Bathukamma Festival Celebrations



Orientation Program is organized for Freshers A.Y:2024-25



Faculty Development program conducted by Department of ECE

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R&D Activity on VLSI TECHNOLOGY conducted by Dept of ECE



Siddhastha, Project Expo

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Antidrug Awareness Program



Graduation Day Celebrations

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Ideathon



Cultural Day Celebration & Matrubasha Diwas Student Receiving a Prize

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Seminar on Higher Education



Alumni Meet

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STUDENTS ACHIEVEMENTS 2024



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STUDENTS ACHIEVEMENTS 2024



STUDENTS ACHIEVEMENTS 2024

DECEMBER 2024 NEWS LETTER**STUDENTS ACHIEVEMENTS 2024****INDUSTRIAL VISIT 2024**

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Rangoli Competition



Mehendi Celebrations by

DECEMBER 2024 NEWS LETTER***Guest Lectures /Workshops Organized by the Dept of ECE***

S. No	Event	Venue	Date
1	Multidimensional signals, adaptive filtering, advanced modulation techniques, and applications in diverse fields like image processing (SS)	SIET	6 th December 2024
2	Effects of adding poles and zeros to $G(S)$, $H(S)$ on the root loci (CS)	SIET	30 th December 2024

***Guest Lectures /Workshops Organized by the Dept of ECE***

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ATAL/2024/1722504633

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**

Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

[AICTE Training and Learning \(ATAL\) Academy](#)**Certificate**

It is certified that **Dr. Dr.M.Pushpalatha, Associate Professor** of **SIDDHARTHA INSTITUTE OF ENGG AND TECHNOLOGY IBRAHIMPATNAM** has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **FDP on Recent Developments in High-Performance Semiconductor Devices and Their Applications** at **AVN INSTITUTE OF ENGINEERING & TECHNOLOGY** from **05/08/2024** to **10/08/2024**.



SURESH NARASIMMAN
Professor Level (AICTE Institute), Coordinator
AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

Dr. Sunil Luthra
Director & Bureau Head
Training and Learning Bureau, AICTE

Atal FDP Attended by the Faculty

DECEMBER 2024 NEWS LETTER**CVR COLLEGE OF ENGINEERING**

(An UGC Autonomous Institution with NAAC Grade A, Affiliated to JNTUH)
Vastunagar, Mangalpalli (V), Ibrahimpatnam (M), Ranga.Reddy(D), Telangana

CERTIFICATE OF PARTICIPATION

This Certificate is Presented to

Dr. M. PUSHPALATHA
Associate Professor, ECE

Siddhartha Institute of Engineering and Technology

for the successful completion of a **Two-Week** Faculty Development Program (Online Mode) on
"Transforming Education: Integrating OBE and NEP 2020" from 22 July to 2 August 2024,
Organized by the Department of Electronics and Communication Engineering,
CVR College of Engineering

Dr. T. Swapna
Convenor

Dr. K. Yedukondalu
Professor and Head of ECE

Dr. K. Ramamohan Reddy
Principal

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(An UGC Autonomous Institution with NAAC Grade A, Affiliated to JNTUH)
Vastunagar, Mangalpalli (V), Ibrahimpatnam (M), Ranga.Reddy(D), Telangana

CERTIFICATE OF PARTICIPATION

This Certificate is Presented to

Dr. T. KRISHNARJUNA RAO
Associate Professor, ECE

Siddhartha Institute of Engineering and Technology

for the successful completion of a **Two-Week** Faculty Development Program (Online Mode) on
"Transforming Education: Integrating OBE and NEP 2020" from 22 July to 2 August 2024,
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Principal

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ECE Department NPTEL Courses Summary			
S. NO	DEPARTMENT	FACULTY NAME	COURSE
1	ECE	Dr. Farha Anjum	1. Cloud Computing
			2. Cyber Security and Privacy
			3. Operating System Fundamentals
			4. Introduction to Industry 4.0 and Industrial Internet of Things
			5. Computer Architecture
2	ECE	Dr. K. Hymavathi	1. Cloud Computing
			2. Cloud Computing Distributed systems
			3. Cyber Security and Privacy
			4. Computer Networks and Internet Protocol
			5. Operating System Fundamentals
			6. Introduction to Internet of Things
			7. Introduction to Industry 4.0 and Industrial Internet of Things
3	ECE	Dr. M. Pushpalatha	1. Big Data Computing
			2. Data Base Management Systems
			3. Machine Learning, ML
			4. Computer Networks and Internet Protocol
			5. Computer Architecture
			6. Introduction to Internet of Things
			7. Signals and Systems
			8. Operating System Fundamentals
4	ECE	Dr. T. Krishnarajuna rao	1. Cloud Computing
			2. Cyber Security and Privacy
			3. Introduction to Internet of Things
			4. Computer Networks and Internet Protocol
			5. Computer Architecture
5	ECE	Mr. G. Sai ram	1. Cloud Computing
			2. Cloud Computing Distributed systems
			3. Cyber Security and Privacy
			4. Computer Networks and Internet Protocol
			5. Introduction to Industry 4.0 and Industrial Internet of Things
			6. Big Data Computing
			7. Machine Learning, ML
			8. Introduction to Internet of Things
6	ECE		1. Cloud Computing

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		Mr. B. Prem Kumar	2. Cyber Security and Privacy
			3. Computer Networks and Internet Protocol
			4. Operating System Fundamentals
			5. Introduction to Internet of Things
			6. Introduction to Industry 4.0 and Industrial Internet of Things
7	ECE	Mr. M. Prabhakar	1. Cloud Computing
			2. Computer Networks and Internet Protocol
			3. Introduction to Internet of Things
			4. Introduction to Industry 4.0 and Industrial Internet of Things
8	ECE	Mr. M. Sandeep	1. Cloud Computing
			2. Computer Networks and Internet Protocol
			3. Introduction to Internet of Things
			4. Introduction to Industry 4.0 and Industrial Internet of Things
9	ECE	Mrs. A. Bhavani	1. Cloud Computing
			2. Cyber Security and Privacy
			3. Introduction to Internet of Things
			4. Introduction to Industry 4.0 and Industrial Internet of Things
10	ECE	Mrs.R. Suneetha	1. Computer Architecure
			2. Computer Networks and Internet Protocol
			3. Introduction to Internet of Things
			4. Introduction to Industry 4.0 and Industrial Internet of Things
			5. CMOS digital VLSI
11	ECE	Mr. M. Stalin	1. Cloud Computing
			2. Cyber Security and Privacy
			3. Introduction to Internet of Things
			4. Introduction to Industry 4.0 and Industrial Internet of Things
12	ECE	Ms. P. Ruth	1. Cloud Computing
			2. Cyber Security and Privacy
			3. Introduction to Internet of Things
			4. Introduction to Industry 4.0 and Industrial Internet of Things
			2. Introduction to Internet of Things