

TRANSEGE

Dear Readers,

For years, “Trans-edge” has been the enthusiastic publication of the activities by the Technocrats of the ECE department. It aims to enlighten the readers on the various areas of technology that the faculty and the students have been associated with. It also aims to throw light on the latest technological innovations that inspire the young generation to explore the field. One such innovative technology is “*Crypto anchors*”. They are digital footprints which help check the product’s authenticity. They have codes or really small computers embedded in the product and tied to the block chain, which saves digital info which is, used to carry out the product’s identification. Crypto anchors have sensors and algorithms which can’t be tampered with, it helps people feel more secure due to various fraudulent practices. Technologies of the like pique the curiosity and interest of students and help recognize how electronics drives innovation.

Dr.K.Murugesan,
Vice Principal (Admin) and
Head of the Department (ECE)

INSIDE THIS ISSUE

The Team	2
Events attended by faculty	9
Seminar	10
Inplant Training	11
Workshop	14
Internship	14
Events Participated	15
Seminar attended	13
Student’s Corner	16

The Editorial Team

FACULTY EDITOR

Ms.T.Gophika, Asst.Professor,
ECE department

EXECUTIVE MEMBERS

- Mr.Ashwin Srinivas M IV A
- Ms.Kavi Selvi V IV B
- Ms.Srilakshmi G IV C
- Mr.Anand R.J III A
- Mr.Roshan V III B
- Ms.Sanjana B III C
- Ms.Indhumathi.K.S II A
- Ms.Rahavee.P II B
- Ms.Meghna II B
- Ms.Swetha II C

“Intelligence plus character that is the goal of true education.”
- Martin Luther King Jr.

VISION AND MISSION

EASWARI ENGINEERING COLLEGE

Vision:

To accomplish and maintain international eminence and become a model institution for higher learning through dedicated development of minds, advancement of knowledge and professional application of skills to meet the global demands.

Mission:

M1:

Easwari Engineering College strives to set high standards of comprehensive education by developing the intellectual strength of students and guiding them towards technical advancement.

M2:

Synergize the efforts of various departments, inspire creativity and foster excellence and innovation in teaching and learning so as to realise our vision as a Premier Engineering Institution.

M3:

Nurture the development of mind, skill, attitude and core competence of students.

M4:

Attain leadership in planning and resource management so as to improve the quality and accessibility of technical education.

M5:

Produce graduates of International distinction, committed to Integrity, Professionalism and lifelong learning by widening their knowledge horizons in range and depth.

M6:

Enable students shine in their academic pursuits, making them sensitive to the needs of the progressive industrial world.

M7:

Organise a pluralistic and supportive environment that will stimulate scholars, students and staff of the highest caliber and contribute immensely to the process of Nation building through partnership with Community and Industry.



“Education is the most powerful weapon which you can use to change the world.”-
Nelson Mandela

VISION AND MISSION

EASWARI ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND

COMMUNICATION ENGINEERING

Vision:

To prepare engineers, proficient to meet the needs of current technological advancements in the field of Electronics and Communication Engineering by establishing a learning environment consistent with industry standards in academics and research.

Mission:

M1:

To create a passion amongst students for contributing to research by providing industry oriented learning.

M2:

To impart in depth knowledge in principles and applications related to design and development of various systems for societal needs.

M3:

To build the skill sets, attitude and core competence of students and faculty by providing them with the opportunity to organize various technical events which will bring out their inherent talents

M4:

To produce graduates with technical expertise, professional attitude and ethical values

M5:

To instil creative thinking through innovative and team based methods which develops the entrepreneur skills, employability and research capability among professionals

M6:

To inculcate in the graduates, the thirst for life-long learning and guide them to obtain thorough knowledge in their chosen interdisciplinary field



“Don’t judge each day by the harvest you reap but by the seeds that you plant.” – Robert Louis

PROGRAM EDUCATIONAL OBJECTIVES:

PEO1: Graduates will possess competency in mathematics, science and engineering fundamentals for solving Electronics and Communication engineering problems.

PEO2: Graduates will have core engineering knowledge necessary for employment in industries as well as higher studies and research.

PEO3: Graduates will attain organizing capability, entrepreneur skills and will be a team player in workplace with ethics.

PEO4: Graduates will perform effectively in multicultural and multidisciplinary environment and makes them ready for the corporate careers ahead.

PEO5: Graduates will have the ability to engage themselves in lifelong learning to achieve professional excellence that will make impact in the societal and human context.

PROGRAM SPECIFIC OUTCOMES:

PSO1: Design and construct Electronic circuits and to Simulate the circuits with software tools which lead to the development of Electronic gadgets.

PSO2: Design and analyze various signal processing blocks for Image and Signal processing systems.

PSO3: Analyze various Networking and Communication areas and its impact in real time applications.

PSO4: Implement their professional skills and techniques in the integrated circuit design which are applicable to industrial and societal needs.



“The mind is not a vessel to be filled, but a fire to be kindled.”
-Plutarch



PROGRAM OUTCOMES:

PO1: Engineering Knowledge

PO2: Problem Analysis

PO3: Design/Development of Solutions

PO4: Conduct investigations of complex problems

PO5: Modern Tool Usage

PO6: The Engineer and Society

PO7: Environment and Sustainability

PO8: Ethics

PO9: Individual and Team Work

PO10: Communication

PO11: Project Management and Finance

PO12: Life Long Learning

“If you don’t build your dream, someone else will hire you to help them build theirs.”

– Dhirubhai Ambani

PROGRAM OUTCOMES:

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/ Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate considerations for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

“Our children are only as brilliant as we allow them to be.”

Eric Micha’el Lev-enthal

PROGRAM OUTCOMES:

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation , make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to once own work as a member and leader in a team to manage projects and in multidisciplinary environments.

PO12 : Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

“The difference between a successful person and others is not a lack of strength, not a lack of knowledge, but rather a lack of will.”

-Vince Lombardi

EVENTS ATTENDED BY FACULTY

Dr.K.Rahimunnisa of ECE department have attended an FDTP on “ *Trends in Reconfigurable (FPGA) SoC Design* “, at NIT Warangal from 25th to 30th November 2018.

Mrs.Bini Palas and Mrs.Uma Maheshwari have attended FDTP program on “ *Metamaterial Antennas and Optimization techniques*” for a period from 3rd to 8th december 2018 at NIT Warangal.

Ms.Gowthami of ECE department have attended an FDTP on “ *Advanced CMOS VLSI* “, at NIT Warangal from 3rd to 8th December 2018.

“The best teacher is not the one who knows most but the one who is most capable of reducing knowledge to that simple compound of the obvious and wonderful.”
-H.L. Mencken

NATIONAL SEMINAR

An **ISRO** sponsored **National Level seminar** on **“Energy Harvesting for Satellite Applications”**, was organized on 6.12.2018 and 7.12.2018 at Easwari Engineering College by Dr.K.Murugesan, Head of the department (ECE) and Vice Principal (Admin), Mrs.R.Senthamizh Selvi_Associate Professor, Mrs.R.Hema_Assistant Professor.



Lighting of kuthuvillakku

“Action is the foundational key to all success.”

– Pablo Picasso

SEMINAR

RESOURCE PERSONS :

1. Dr. D. V. A. Raghava Murthy Director (Retd.), Aerospace Research / ISRO Professor, Aeronautical Engineering, Vel Tech Rangarajan
2. Dr. Sagunthala, R&D Institute of Science and Technology.
3. Dr. A. K. Shrivastav Scientist-F (Retd.), SAMEER, Chennai Professor, Saveetha Engineering College, Chennai.
4. Dr. K. Malathy Associate Professor, Anna University, Chennai. Dr. Gulam Nabi Alsath Professor, SSN College of Engineering, Chennai.
5. Dr. M. Ganesh Madhan Professor, Madras Institute of Technology, Chennai.
6. Mr. T. Jayanandan Founder, Tesla Minds, Chennai. Experts from Entuple Technologies Pvt. Ltd. and Anritsu India Pvt. Ltd.

“Action is the foundational key to all success.”

– Pablo Picasso

The faculty members who have attended the seminar are Dr.S.Sudha, Dr.K.Rahimmunisa, Dr.D.Jessintha, Mrs.K.Abirami, Mrs.S.Caroline Jebakumari, Mrs.A.Usha, Ms.T.Gophika, Mrs.Bindu Babu ,Mr.R.Praveen Kumar.This seminar is focused on technologies and applications with the intent to foster the exchange of knowledge and ideas. It gives an opportunity for participants from academic institutions to get acquainted with design, simulation, fabrication and measurement of Energy harvesting antenna for Satellite applications. The course also covers an introduction and exposure to ANSYS HFSS Software.



“Begin now to be what you will be hereafter”

- Saint Jerome

INPLANT TRAINING

DATE: 3.12.2018-7.12.2018

LOCATION: Kaashiv Info Tech, Chennai

S.NO	NAME	YEAR	SECTION
1.	Mr.Parthiban T	II	B
2.	Mr.Raaghul R.	II	B
3.	Mr.Pradosh A	II	B
4.	Mr.Prakadeeshwaran.U	II	B
5.	Mr.Lohith J	II	B
6.	Ms.Moghana priya.M	II	B
6.	Ms.Priyadharshini.G	II	B
7.	Ms.Nivetha Shri.S	II	B
8.	Ms.Keerthana R	II	B
9.	Mr.Ashish Babu	II	B

“If you would not be forgotten, as soon as you are dead and rotten, either write things worth reading, or do things worth the writing.” -Benjamin Franklin

INPLANT TRAINING

DATE: 10.12.2018 - 14.12.2018

LOCATION: BSNL, Chennai

DOMAIN: Internet Of Things

S.NO	NAME	YEAR	SEC-
1.	Ms. Lasya Ippagunta	II	B
2.	Ms.Rahavee P	II	B
3.	Ms.Nethra M	II	B
4.	Ms.Reshmika D	II	B
5.	Ms.Lakshmi Nishevitha A.G	II	B
6.	Ms.Krishna Priya R	II	B
7.	Ms.Namratha K	II	B
8.	Ms.Meghna R	II	B
9.	Ms.Prineetha R	II	B
10.	Mr.Lohith J	II	B

"The youth need to be enabled to become job generators from job seekers."

-A. P. J. Abdul Kalam

SEMINAR ATTENDED

DATE: 6.12.2018 - 7.12.2018

LOCATION: Easwari Engineering College

DOMAIN: Energy Harvesting Antenna for Satellite Applications

S.NO	NAME	YEAR	SECTION
1.	Ms.Krishna Priya R	II	B
2.	Ms.Prineetha R	II	B
3.	Ms.Lasya Ippagunta	II	B
4.	Mr.Prakadeeshwaran U	II	B
5.	Mr.Roshan V	III	B
6.	Ms.Vasantha Varshini	III	C
7.	Ms.Sandhya	III	C
8.	Ms.Vidya	III	C
9.	Ms.Thamil Thalir	III	C
10.	Ms.Swetha Thangaraj	III	C
11.	Ms.Yamini	III	C
12.	Ms.T.E.Yashaswini	III	C

“A genuine leader is not a searcher for consensus, but a molder of consensus.”

- Martin Luther King, Jr.

WORKSHOP

DATE: 28.12.18

LOCATION: IIT MADRAS RESEARCH PARK

DOMAIN: Cracking your MS admissions-Build stand-out profile

S.NO	NAME	YEAR	SECTION
1.	Ms.Reshmika.D	II	B

INTERNSHIP

DATE: 11.12.2018 - 13.12.2018

LOCATION: DLK Technologies, Chennai

DOMAIN: Embedded and IOT

S.NO	NAME	YEAR	SECTION
1.	Ms.Gayathri .A	II	A

“Optimism is the faith that leads to achievement . Nothing can be done without hope and confidence.”

- Helen keller

EVENTS PARTICIPATED

DATE: 4.01.2018-5.01.2018

EVENT: LAVAZA 2019

LOCATION: Vel Tech Engineering College

S.NO	NAME	YEAR	SECTION
1.	Mr.Raaghul.R	II	B
2.	Mr.Lohith.J	II	B

*"It is amazing what
you can accomplish if
you do not care who
gets the credit."
- Harry S. Truman*

STUDENT'S CORNER

POETRY

BY: Ms.Meghna Singh, ECE-II-B

Teacher

*Invincible you made me feel
Taught me to live with open eyes
Took me through dark to light
Let me experience the hardest lessons
But never left my side for all reasons
Let me glow even in the dark
Not letting the strobe lights leave a mark
Teaching me to live today, to fly tomorrow
To keep the fire alive for me to grow
Always saw me like a butterfly
'Coz they are meant to fly with beauty and sly
The reason for who I am now
So successful for everyone to ask 'How??'
The reason behind is a woman
That woman is no one ...
But my Teacher...*

Go as far as you can
see; when you get
there you will be able
to see the further
- Thomas Carlyle



Reach Us

**THE DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ,ENGINEERING EASWARI
ENGINEERING COLLEGE**

**Bharathi Salai, Ramapuram,
Chennai - 600 089.**

Tamil Nadu , India .

Tel : 91 - 44 - 2249 0853, 2249 5420, 4392 3041.

E-mail : eecw@vsnl.com

WE ARE ON THE WEB : WWW.SRMEASWARLAC.IN