

TRANSEGE

Dear Readers,

For years, “Trans-edge” has been an enthusiastic publication of the activities by the Technocrats of the ECE department. It aims to enlighten the readers on various areas of technology that the faculty and 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 technology is the “3D -printing technique”. The technology could be used by soldiers on the battlefield to print temporary sensors on their bodies to detect chemical or biological agents or solar cells to charge essential electronics. It is similar to a ‘Swiss Army knife’ of the future serving as an all in one portable 3D printing tool. It also paves the way for many other applications, including printing cells to help those with skin diseases. Technologies of the like pique the curiosity and interest of the students and help recognize the unlimited potential of electronics for important applications in the future.”

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

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The Editorial Team

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

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- Ms. Srilakshmi.G IV C
- Ms. Sanjana.B III C
- Mr. Ashwin Srinivas IV A
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- Ms. Kavi Selvi IV B
- Ms. Sisira K IV C
- Mr. Anand R J III A
- Mr. Roshan III B
- Mr.Surya III C

“Knowing is not
enough; we
must apply.
Wishing is not
enough; we
must do”

-Johann
Von Goethe

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:

Synergise the efforts of various departments, inspire creativity and foster excellence and innovation in teaching and learning so as to realize 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:

Organize 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.



“Push harder than yesterday if you want a better tomorrow...”

-English Proverb

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 let what
you cannot do
interfere with
what you can
do”

-John Wooden

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.



“There are no
shortcuts to any
place worth
going”
-Beverly Sills

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.

“All you need in
this life is
ignorance and
confidence; then
success is sure.”
– Mark Twain

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 one's 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.

“Change the world
by being yourself.”

– Amy Poehler

RANK HOLDERS

UNIVERSITY RANK HOLDERS-UG

S.NO	NAME	RANK	PHOTO
1	MS.JANAVI.B.V	21	
2	MS.SRIVIDHYA L	22	
3	MS.NRITHYA T	36	
4	MS.SARANYA M	49	

“The obstacle is
the path.”
Zen proverb

UNIVERSITY RANK HOLDERS-PG

S.NO	NAME / SPECIALIZATION	RANK	PHOTO
1.	Ms.KARUNYA M M.E-Communication Systems	1 GOLD MEDAL	
2.	Ms.YAMUNA .V M.E -VLSI DESIGN	7	
3.	Ms.OMANA .B M.E - VLSI DESIGN	10	
4.	Ms.JEBA SARAL DARLING.E M.E - VLSI DESIGN	13	

“There is no secret to success. It is the result of preparation, hard work, and learning from failure” – General Colin Powell

INPLANT TRAINING

DATE: 20.05.2018-23.05.2018

LOCATION: Uniq technologies, Chennai

S.NO	NAME	YEAR	SECTION
1.	Mr.Koushik.S	III	B

DATE: 14.05.2018-18.05.2018

LOCATION: Codebind Technologies, Chennai

S.NO	NAME	YEAR	SECTION
1.	Ms.Rachana.M	IV	B

“Striving for success without hard work is like trying to harvest where you haven’t planted”

– David Bly

DATE: 27.05.2018-02.06.2018

LOCATION: NPCIL-MAPS,Kalpakkam

S.NO	NAME	YEAR	SECTION
1.	Mr.Prassana.A	IV	B
2.	Ms.Madhumitha.M.K	IV	B
3.	Mr.Maajid Nabeel.A.K	IV	B
4.	Ms.Kaayathiry.R	IV	B
5.	Mr.Segu Noorden.M	IV	B
6.	Mr.Prakash.K	IV	B
7.	Mr.Jayanth.N.G	IV	B

DATE: 14.05.2018-19.05.2018

LOCATION: BHEL,Ranipet,Vellore

S.NO	NAME	YEAR	SECTION
1.	Mr.Karthik Sharan	IV	B

“There is no
elevator to success.
You have to take
the stairs”

– Zig Ziglar

WORKSHOPS ATTENDED BY **STUDENTS**

DATE: 25.05.2018-27.05.2018

CONDUCTED BY: IITM Research Park,Tharamani

TITLE: Internet Of Things

S.NO	NAME	YEAR	SECTION
1.	Ms.Divyasree.G.B	III	A
2.	Ms.Dharshini.E	III	A
3.	Ms.Bharaneeshwari.A	III	A
4.	Ms.B.Aishwaria	III	A

“Success is the sum
of small efforts,
repeated
day-in and day-out”

-Robert Collier

INTERNSHIP

DATE: 18.05.2018-22.05.2018

LOCATION: Uniq Technologies ,Chennai

DOMAIN: Robotics

S.NO	Name	Year	Section
1.	Mr.Vishal.E	III	C
2.	Mr.Vishak	III	C
3.	Mr.Tamilselvan	III	C

DATE: 13.05.2018-24.06.2018

LOCATION: Proelium Analytics Pvt Ltd ,
Mount road, Chennai

DOMAIN: Embedded software development

S.NO	Name	Year	Section
1.	Mr.P. Sree	III	C

“It is well to remind ourselves that anxiety signifies a conflict, and so long as a conflict is going on, a constructive solution is possible”

– Rollo May

DATE: 22.05.2018-27.05.2018

LOCATION: Uniq technologies, Chennai

DOMAIN: Embedded systems

S.NO	NAME	YEAR	SECTION
1.	Ms.Keerthi.S	III	B
2.	Ms.M.Rashmi	III	B
3.	Ms.Preeti Iyer.S	III	B

DATE: 26.05.2018-27.05.2018

DOMAIN:Uniq technologies, Chennai

S.NO	NAME	YEAR	SECTION
1.	Ms.Suma	IV	C

DATE: 22.05.2018-22.06.2018

LOCATION : Alt Sense, Ekkaduthangal,Chennai

DOMAIN:Hardware software and IOT

S.NO	NAME	YEAR	SECTION
1.	Mr.Vinay.K	III	C

“Education is the passport to the future, for tomorrow belongs to those who prepare for it today”

– Malcolm X

DATE: 17.05.2018-21.05.2018

LOCATION: Uniq technologies, Chennai

PROGRAM: Arduino

S.NO	NAME	YEAR	SECTION
1.	Mr.Koushik.S	III	B
2.	Mr.Niren.K.S	III	B
3.	Mr.Kishanth.U	III	B

DATE: 17.05.2018-13.06.2018

LOCATION: L&T technology services, Chennai

S.NO	NAME	YEAR	SECTION
1.	Mr.Aadithya.R	IV	B

DATE: 23.05.2018-27.05.2018

LOCATION : KaaShiv Infotech, Anna nagar, Chennai

S.NO	NAME	YEAR	SECTION
1.	Ms.Aishwarya.S	IV	A

“A successful man is one who can lay a firm foundation with the bricks others have thrown at him”

– David Brinkley

DATE: 26.05.2018-27.05.2018

LOCATION : Uniq technologies, Chennai

S.NO	NAME	YEAR	SECTION
1.	Ms.Ishwarya.R	IV	B
2.	Ms.Pavithra.A	IV	B
3.	Ms.Pavithra.S.K	IV	B
4.	Mr.Praveen.S	IV	B

DATE: 31.05.2018-14.06.2018

LOCATION : Surya Informatics, Ashok nagar, Chennai

S.NO	NAME	YEAR	SECTION
1.	Ms.Malini. J	IV	B

DATE: 14.05.2018-22.05.2018

LOCATION : JRM technologies, Coimbatore

S.NO	NAME	YEAR	SECTION
1.	Mr.Padmanathan.K	IV	B

“How wonderful it is that nobody need wait a single moment before starting to improve the world”

– Anne Frank

HACKATHON

DATE: 13.05.2018

**CONDUCTED BY : Healthcare Technology innovation
centre at IIT-Madras**

S.NO	NAME	YEAR	SECTION
1.	Mr.Srikrishnan	IV	C
2.	Mr.Somasundaram	IV	C
3.	Mr.Sai Krishnan	IV	C
4.	Mr.Sreekrishnan	IV	C
5.	Mr.Shreyans Rohan	IV	C

EXTRACURRICULAR ACTIVITIES

Name: All India Zen Isshinryu Karate Association

PLACE: FIRST

TRAINING PERIOD: 03.10.2013-22.04.2018

DATE : 22.04.2018

S.NO	NAME	YEAR	SECTION
1.	Mr.V.Bharathram	IV	A

“Excellence is not a
skill. It is an attitude”

– Ralph Marston

STUDENT'S CORNER

PENCIL SKETCH

DONE BY: Mr.Drona Varun, ECE-III-A



“Your time is limited ,so don't waste it living someone else's life”

– Steve Jobs in his 2005 Stanford Commencement Address.

ARTICLE

A LETTER TO THE WORLD

I will approach you in a millisecond and so will I approach you decades later but I will approach you one day. And on that day you will realize your mistake. But I will not approach you if you realize your mistake and are true to fix it. But it does not mean that I am easily convinced, it takes effort to convince me.

You may be wondering who I am? Some call me a Boomerang and the others call me justice. But I am neither. I am called KARMA. My father is conscience. My mother is guilt, fear. And we follow our GOD'S order.

WRITTEN BY: Rahavee. P , ECE—II B

“When you get to the end of the rope, tie a knot and hang on”

- Franklin

D. Roosevelt



Reach Us

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COMMUNICATION ENGINEERING
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