

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 innovation is the “Li-Fi”. This technology is a wireless optical networking technology that uses light-emitting diode. The traditional Wi-Fi, which uses radio waves for information propagation is replaced by a bunch of LED's that supply a digital signal to the mobile or other internet operating device. Benefit of this technology is that your neighbour couldn't hack your Wi-Fi. Technologies of the like pique the curiosity and interest of students and help them recognize how electronics drives towards innovation.

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

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ECE department

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- Mr.Roshan V III B
- Ms.Sanjana B III C
- Mr.Surya V R III C

“Make your life
a masterpiece,
imagine no
limitations on
what you can
be, have or do.”

-Brian Tracy

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:

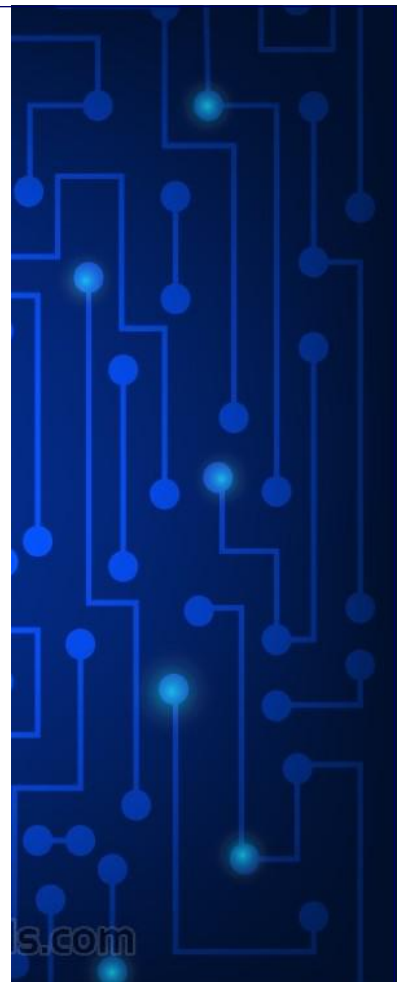
Produce graduates of International distinction, committed to Integrity, Professionalism and lifelong learning by widening their knowledge horizons in range and depth.

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.



“Doubt kills more dreams than failure ever will.”

– Suzy Kassem

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



“Do more for the world than it does for you.” – Henry Ford

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 only person you should strive to be better than is the person you were yesterday.”

-Matty Mullins



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

“Do what you have to
do until you can do
what you want to do.”
– Oprah Winfrey

GRADUATE ATTRIBUTES:

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

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

3: 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.

4: 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.

5: 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.

6: 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.

“It is never too late to be what you might have been”-George Eliot

GRADUATE ATTRIBUTES (Contd...):

7: 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.

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

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

10: 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.

11: 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.

12 : 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.

“Discipline is the bridge between goal and accomplishment.”

- Jim Rohn

STAR FACULTY OF THE MONTH

AUGUST 2018

The **Principal, Head of ECE Department** and Faculty members are proud to announce **Dr.D.Sivakumar** (Professor/ECE) as the '**STAR FACULTY**' of the ECE Department for the month of **AUGUST 2018**.






CONGRATULATIONS !!!

“Don’t wait for the right opportunity . Create it.”

- George Bernard Shaw




STAR STUDENTS OF THE MONTH

S.NO	NAME	YEAR	PHOTO
1	Ms.Aparna.v	II-A	
2	Mr.Ragul.V	II-B	
3.	Ms.Yamini.R	II-C	

S.com

“You are confined
only by the walls
you build yourself”




-Andrew Murphy

S.NO	NAME	YEAR	PHOTO
4.	Ms.Aishwarya.R	III-A	
5.	Ms.Priyadarshini.V	III-B	
6.	Ms.Vidya.R.S	III-C	

s.com

“You are confined only by the walls you build yourself”

-Andrew Murphy

S.NO	NAME	YEAR	PHOTO
7.	Mr.Balaji	IV-A	
8.	Ms.Kaviselvi	IV-B	
9.	Ms.Sandhya.J.S	IV-C	

S.com

“You are confined only by the walls you build yourself”

-Andrew Murphy

SYMPOSIUM

The Department of Electronics and Communication Engineering organized ‘National Level Technical Symposium, “**Quintessence 2.0**” on Tuesday, 11th September 2018 at the TRP Auditorium, Easwari Engineering College, Ramapuram, Chennai 600089. The Chief Guest of the event was **Dr.S. Hemalatha**. She is the **Operation Head in Research and Development at “Inesd Smart Energy Pvt. Ltd”**.

INVOCATION & LIGHTING OF KUTHUVILAKU:

The program commenced with an invocation to the almighty, followed by lighting of the Kuthuvilaku by the Chief Guest and other dignitaries on the dias.



“In the practice of tolerance one’s enemy is the best teacher”

-David Lewis

WELCOME ADDRESS:

Dr.K.Murugesan , Head of the ECE department and Vice Principal (Admin), welcomed the dignitaries and addressed the gathering. He stated that every country's progress is measured by the standard of living of the citizens and spoke on how engineering plays a major role in our lives. He proudly remarked that the department has been raising the bar every year and this symposium is one such example. He also assured that all the students will enjoy and learn a lot from this symposium.



Welcome address by Dr.K.Murugesan,Head of the ECE department and Vice Principal(Admin).

“The only person you should strive to be better than is the person you were yesterday.”

-Matty Mullins

FELICITATION OF THE CHIEF GUEST BY PRINCIPAL

Dr. K. Kathiravan, Principal, Easwari Engineering college, presented the chief guest with a bouquet.



RELEASE OF MAGAZINE

The much acclaimed magazine of the department, ECHOES, was released by the Principal and the first copy was presented to the chief guest, **Dr. S. Hemalatha.**



“Don't wait. The time will just never be right.”
– Mark Twain



PRIZE DISTRIBUTION

The department toppers and winners of the art competition and quiz competition were awarded medals by the Chief Guest.



ADDRESS BY CHIEF GUEST

The distinguished chief guest of the day, **Dr.S.Hemalatha**, started off her discourse by thanking her for the opportunity to be a part of this event. She proudly claimed that she has worked in the ECE department for 23 years. She elucidated how technology is getting smarter and spoke on the advancements of science and technology in India. She briefed about smart meter production and proudly stated that they are the only ones to get approval for its production in Tamil Nadu.

“Don’t wait for the right opportunity .
Create it.”

- George Bernard
Shaw



FELICITATION BY PRINCIPAL

Dr.K.Kathiravan,Principal, Easwari Engineering College welcomed the gathering and expressed his admiration over how the symposium was being carried out. He then went on to applaud the department for doing well over the ongoing academic year, emphasizing on the academic results, cultural events and placement season 2018-2019. **Dr.K.Kathiravan** appreciated the student volunteers and staff coordinators for organizing such an event.



“Small aim is a crime;
have a great aim”

- A.P.J Abdul Kalam

VOTE OF THANKS

The vote of thanks was given by **Mr.B. Arivuselvam**, Assistant Professor, ECE Department and Faculty Coordinator of the symposium.



“A person’s a person
no matter how small”

-Dr.Seuss

WORKSHOP ATTENDED BY STUDENTS

DATE: 11.09.2018

LOCATION: Easwari Engineering College

S.NO	NAME	YEAR	SECTION
1.	Ms.Shalini	II	C
2.	Ms.Supriya	II	C

ACHIEVEMENTS

DATE: 11.09.2018

LOCATION: NSBM Green University, Srilanka

CONDUCTED BY: IEEE Society

S.NO	NAME	YEAR	SECTION
1.	Mr.Sanjay.A.V	III	C
2.	Mr.Sree.P	III	C
3.	Mr.Vignesh.V	III	C

DATE: 08.09.2018

EVENT: Utsav '18– Dance competition

LOCATION: Madras Medical College

S.NO	NAME	YEAR	SECTION
1.	Ms. Sivasankari	II	C

“Change your life today. Don't gamble on the future, act now, without delay”

-Simone de Beauvoir

EVENTS PARTICIPATED

DATE: 14.09.2018

EVENT: Astivara 2.2-Model Making

LOCATION: Easwari Engineering College

S.NO	NAME	YEAR	SECTION
1.	Mr.Tarun Abhaye	II	C
2.	Mr. Sri Sivaram	II	C
3.	Mr.Sri Krishna	II	C
4.	Mr.Saravana	II	C
5.	Mr.Surya Rao	II	C

DATE: 28.09.2018-30.09.2018

EVENT : Kalam– Music Band Performance

LOCATION:Golden Bay Resort,Kuvathur

CONDUCTED BY: District Rotaract Council

S.NO	NAME	YEAR	SECTION
1.	Mr.Immanuel Raja	IV	B

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

- Helen keller

STUDENT'S CORNER

ARTICLE

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

Choices have Consequences

"I believe that we are solely responsible for our choices, and we have to accept the consequences of every deed, word, and thought throughout our lifetime". This quote was illustrated by Elisabeth Kubler-Ross.

Every day, every one of us makes choices. Some are big decisions and some are small. Each decision we make has consequences in our future. Some affect us and some other may affect someone else in our life which in turn affects us. For this we always intend to make the right decision. Then we start to wonder if we always can make right decisions, without hurting others feeling or ours'. But the answer apparently turns out to be an absolute NO. We always try to weigh all of the mitigating factors when we make a choice, but does this go on forever? Of course not, we all are just puny human beings. Every decision a person makes has a massive number of effects on our lives and the lives of many others. Do we please ourselves or do we please others? Can we please both? Certainly, we can't please everyone. One just needs to learn that when we make choices, right or wrong, we need to face and try to lie with the consequences good or bad, whether utterly pleasing or totally depressing.

"Good, better, best. Never let it rest. Till your good is better and your better is best."

- St.Jerome

PHOTOGRAPHY

SHOT BY: Ms.Lakshmi Nishevitha, ECE - II-B

PICTURESQUE VIEW OF THE SKY



“Good, better, best.
Never let it rest.
Till your good is
better and your
better is best.”

- St.Jerome



Reach Us

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