



**EASWARI
ENGINEERING COLLEGE**

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY

RAMAPURAM CHENNAI

**DEPARTMENT OF
MECHANICAL ENGINEERING**

NEWS

LETTER

OCTOBER-DECEMBER 2019

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VISION

To be an acknowledged leader in imparting Mechanical Engineering education, research and be a recognized resource center for industry and society

MISSION

M1:To make the students understand the basic and advanced Engineering concepts in the core fields of Mechanical Engineering through Under-Graduate and Post-Graduate Courses.

M2:To prepare the students and expose them to the basic and applied research, thus fostering creativity through recognized research centers.

M3:To make the students undergo training in the Industries, identify the current problems and solve them with multidisciplinary and professional approach.

M4:To prepare the students to integrate Engineering with business that encourages technological commercialization by inviting eminent entrepreneurs for seminars and workshops.

M5:To make the students do application oriented projects which identify the current problems, solving them and thus contribute to the societal needs.

M6:To inculcate the value of ethics, lifelong learning and widening the knowledge frontiers through long term interaction with other academia and industry.

PROGRAM OUTCOMES (PO)

- 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, review 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 consideration 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
- 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 multidisciplinary 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

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- PEO1:** Our graduates will have fundamental technical knowledge and develop core competency in diversified areas of Mechanical Engineering along with Mathematics, Science and other allied engineering subjects in a view to expand the knowledge horizon and inculcate lifelong learning.
- PEO2:** A fraction of our graduates will pursue advanced studies, research and develop products in the field of Mechanical engineering by developing partnerships with industrial and research agencies thereby serving the needs of the industry, government, society and scientific community.
- PEO3:** Our graduates will be capable of building their own career upon a solid foundation of knowledge and with a strong sense of responsibility serve their profession and society ethically.
- PEO4:** Our graduates will be prolific professionals with effective communication, leadership, teaming, problem solving, decision making skills by understanding contemporary issues and improve their overall personality for career development

PROGRAM SPECIFIC OUTCOMES (PSOs)

- PSO1:** Students will be competent in design and analysis of thermal and fluid systems.
- PSO2:** Students will possess the skill to apply design concepts for mechanical structures and systems.
- PSO3:** Students will be able to design and develop industrial products using modern machines in the field of manufacturing.
- PSO4:** Students will be able to use software to solve structural, thermal, fluid and manufacturing problems.



TAMILDIALOGUELYRICS.IN

" நமது பிறப்பு
ஒரு சம்பவமாக இருக்கலாம்
ஆனால் இறப்பு
சரித்திரமாக இருக்க வேண்டும் "

CALENDAR OF EVENTS 2020

NATIONAL & INTERNATIONAL DAYS (OCT – DEC)

OCTOBER

1 st	NATIONAL VOLUNTARY BLOOD DONATION DAY
1 st	INTERNATIONAL DAY FOR ELDERLY PEOPLE
1 st -7 th	WILD LIFE WEEK
1 st -10 th	INTERNATIONAL FILM FESTIVAL OF INDIA
2 nd	MAHATMA GANDHI'S BIRTHDAY
2 nd	ANTI-LEPROSY DAY
2 nd -8 th	PREVENTION OF BLINDNESS WEEK
2 nd -8 th	ANTI-UN-TOUCHABILITY WEEK
6 th	WORLD HABITAT DAY (HOUSING)
8 th	AIR FORCE DAY
9 th	WORLD POST DAY
10 th	NATIONAL POST DAY
11 th -25 th	FAMILY WELFARE FORTNIGHT
13 th	INTERNATIONAL DAY FOR NATURAL DISASTER REDUCTION (IDNDR)
14 th	WORLD STANDARDS DAY
16 th	WORLD FOOD DAY
21 st	AZAD HIND DAY
21 st	GLOBAL IODINE DEFICIENCY DISORDER(IDD) DAY
24 th	UN DAY
24 th	WORLD DEVELOPMENT INFORMATION DAY
24 th -30 th	DISARMAMENT AND DEVELOPMENT WEEK
28 th	WORLD THRIFT DAY
31 st	INDIRA GANDHI'S DEATH ANNIVERSARY (ANTI -TERRORISM DAY)

NOVEMBER

2 nd	ALL SAINTS DAY
9 th	LEGAL SERVICES DAY
9 th -14 th	INTERNATIONAL WEEK OF SCIENCE
14 th	NEHRU'S BIRTHDAY-CHILDREN'S DAY
14 th -20 th	WORLD HERITAGE WEEK
15 th -21 st	NATIONAL COOPERATIVE WEEK
16 th	INTERNATIONAL DAY FOR TOLERANCE AND PEACE
19 th	NATIONAL INTEGRATION DAY (INDIRA GANDHI'S BIRTHDAY)
19 th Nov.-18 th Dec	ENVIRONMENT MONTH
19 th -26 th	QUAMI EKTA WEEK
20 th	CHILD RIGHTS DAY
26 th	CONSTITUTION DAY

DECEMBER

1 st	WORLD AIDS DAY
2 nd	NATIONAL POLLUTION CONTROL DAY
3 rd	INTERNATIONAL DAY OF DISABLED PERSONS
3 rd	NATIONAL CONSERVATION DAY
3 rd	BHOPAL GAS TRAGEDY DAY
4 th	NAVAL DAY
5 th	INTERNATIONAL VOLUNTEER DAY FOR ECONOMIC AND SOCIAL DEVELOPMENT
6 th	DR. AMBEDKAR'S MAHAPARINIRVAN DIVAS
7 th	FLAG DAY
8 th	GIRL CHILD DAY -DECADE (1990 - 2000)
8 th	SAARC DAY
8 th -14 th	ALL INDIA HANDICRAFTS WEEK
10 th	HUMAN RIGHTS DAY
14 th	NATIONAL ENERGY CONSERVATION DAY

A large crowd of people is silhouetted against a bright red, smoky background at night. A tall, thin light pole stands in the center-right. The word "EVENTS" is written in large, white, serif capital letters across the middle of the image.

EVENTS

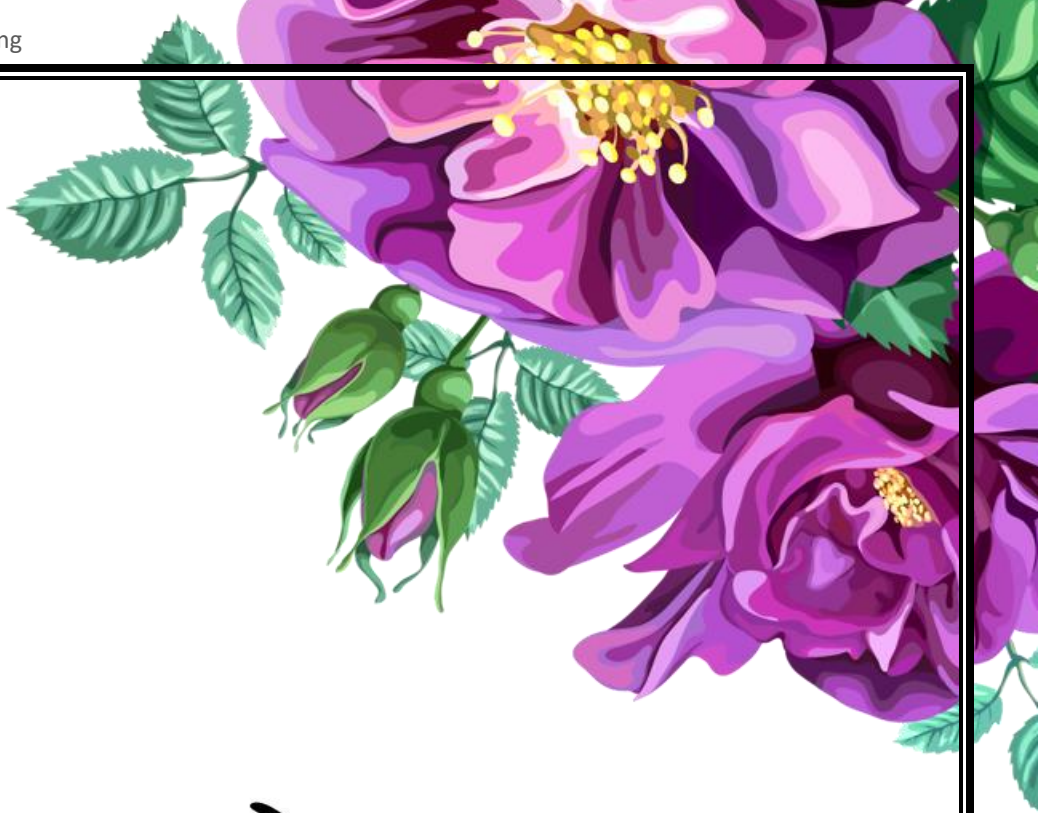
Aquest Quiz

Dr.V.AntonyAroul Raj, Professor, EEC On December 6th, 2019, Easwari Engineering College held the Aquest Quiz, an academic event aimed at promoting knowledge and learning among students. The quiz was organized by Dr. V. Antony Aroul Raj, a renowned professor at the college. The event saw participation from 60 students who were eager to showcase their knowledge and compete against their peers. The quiz was conducted in a competitive yet friendly atmosphere, which created an exciting and engaging environment for the participants. The quiz featured questions from a wide range of subjects, including science, technology, engineering, mathematics, and general knowledge

The questions were thought-provoking and challenged the participants to think critically and outside the box. Dr. V. Antony Aroul Raj did an excellent job as the quiz master, asking the questions in a clear and concise manner and maintaining the pace of the event. The participants showed great enthusiasm and sportsmanship throughout the quiz, making it a memorable event for everyone involved. At the end of the quiz, the top three performers were awarded prizes, which served as a source of motivation for all the participants. The event ended on a positive note, with participants expressing their appreciation for the opportunity to showcase their knowledge and compete against their peers. In conclusion, the Aquest Quiz organized by Dr. V. Antony Aroul Raj at Easwari Engineering College was a resounding success, promoting knowledge and learning among students while creating a competitive yet friendly atmosphere. We hope that the college continues to organize such events.

Faculty Publications October – December 2019

Sl. No.	Name of the faculty	Research Paper Title	Index	Impact factor	Month & Year	Volume/ Issue/ Pg. no.	Journal Name
1	Prasanna Raj Yadav S. Karthick S. Senthilnathan K.	Fundamental droplet evaporation and engine application studies of an alternate fuel produced from waste transformer oil	SCIE	6.609	October - 2019	Volume 259, Article number 116253	Fuel
2	Yuvaraj G.	Experimental research on hybrid natural/glass fiber based epoxy composite	Scopus	1.25	October - 2019	Volume 9, Issue 1, October 2019, Pages 3359-3362	International Journal of Engineering and Advanced Technology



THANK YOU

