



VIMAL JYOTHI ENGINEERING COLLEGE CHEMPERI

MECHNOVA



MECHANICAL DEPARTMENT NEWS LETTER

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KNOW A FAMOUS MECHANICAL ENGINEER SERIES

02. JAMES WATT (1736-1819)

The eminent Scot and great scientist, who improved the imperfect steam engine of his day, that he may be termed the Father of Steam age and **the Founder of Mechanical Engineering**. He was born in Greenock 1736.



Watt was initially worked as a maker of mathematical instruments, but soon became interested in steam engines. The discovery of steam engine was fundamental to the changes brought by the Industrial Revolution in both his native Great Britain and the rest of the world.

Watt was died on 19th August 1819. A unit of measurement of electrical and mechanical power –the watt- is named in his honour.

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Program Educational Objectives (PEO'S)

PEO1: Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.

PEO2: Graduates will have skills and knowledge to formulate, analyze and solve problems in mechanical engineering to meet global challenges.

PEO3: Graduates will be capable of pursuing mechanical engineering profession with good communication skills, leadership qualities, team spirit and professional ethics to meet the needs of the society.

PEO4: Graduates will sustain an appetite for continuous learning by pursue higher education and research in the allied areas of science and technology.

VISION

“To become a center of excellence in Mechanical Engineering, producing innovative and creative mechanical engineers to meet the global challenges”

MISSION

- To provide a platform to the students towards attaining quality education in Mechanical Engineering.
- To educate students about professional & ethical responsibilities and train them to build leadership and entrepreneurship qualities for their career development.
- To create opportunities and guide students in acquiring career oriented jobs in the field of Mechanical Engineering

JYOTHIRGAMAYA 2018



Jyothirgamaya 2018, the official inauguration of the academic year 2018 was done by His Grace Mar George Njaralakattu, Patron and Archbishop of Archdiocese of Thalassery on 16th July 2018. A great appreciation from participants and guests was received. Students were appreciated during the function and awards were given as the token of their performance in academic/sports/co academic activities



ONE DAY WORKSHOP ON "INNOVATION & INTELLECTUAL PROPERTY RIGHTS"



Department of Mechanical Engineering has organized a one day workshop on “Innovations & Intellectual Property Rights” during 27 July 2018, Friday in association with Kerala State Council of Science, Technology and Environment (KSCSTE). The workshop was open for both staff and students of VJEC. Shri. V.P. Balagangadharan former Brahmaprakash Scientist, Vikram Sarabhai Space Centre, Trivandrum and Shri. R.S. Praveen Raj Senior Scientist, CSIR - NIIST, Trivandrum were the Chief guests for the function.

INTERACTION WITH ALUMNI



“Student Alumni Meet 2K18” was conducted on behalf of Mechanical engineering department on 1st August 2018. Mr. Sarin Jose, Ship Engineer was the invited alumni of the program. Cdr.(rettd.) Raju K K introduced the alumni to S7 ME students. Mr. Sarin Jose explained about the life of a marine engineer. He also clarified doubts of students regarding Merchant Navy. Interaction with successful alumni really motivated the final year students for initiating their career. Mr. Ajay T George (2014-18 Batch) also had an interaction with students.

JOURNAL PUBLICATION WITH CENTRAL BOARD OF IRRIGATION AND POWER INDIA in IASH July2018 Issue

1. Derived Empirical Relationship for Cavitation Analysis on Bulb Turbine in Small Hydro Electric Power Plant Utilizing Plant Sigma – **P. Sridharan and N. Kuppuswamy**
2. Investigations on Deformation in Discharge Ring and Outer Distributor Cone Performance in Small Hydro Power Plants with Cavitation – **P. Sridharan, Raju K Kuriakose, M.Eswaramoorthy and N. Kuppuswamy**

FDP's Attended

1. Dr. Umesh Sundar (Professor, ME) & Mr. Midhun Mukundan (AP, ME) attended STTP on Pedagogy to synergistic andragogy – A new paradigm in engineering education (16- 20 July 2018)

2. Mr. Lince Thomas (AP, ME) attended 1 week FDP ON “Advanced Energy Engineering and Technology” from 2 July to 6 July 2018.

3. Mr. Johny P Joseph (AP, ME) attended 1 month online FDP on “Mentoring Educators in education technology” for a period of three months.

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

Program Specific Outcomes (PSO's)

PSO1: An ability to use computer aided modeling and simulation tools to provide solutions to mechanical engineering problems.

PSO2: ability to develop and implement a process in a well-planned manner leading to a demonstrable product



Happy
Independence
Day

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