



# VIMAL JYOTHI ENGINEERING COLLEGE CHEMPERI

## MECHNOVA



### MECHANICAL DEPARTMENT NEWS LETTER

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#### HOD DESK

*Greetings to Dear students, Faculty and Friends!*

Department of Mechanical Engineering has conducted a number of programmes in the last two months. Autotech 2018 was a very successful event, in which High school students from in and around the Kannur were given an opportunity to get to know the latest in the engineering and automobile field. ASAP in "Mechanical -CAD" is another initiative by the department, which has a direct contribution to the social development task of the Government of Kerala. I Congratulate Coordinators Mr. Shaji George AP, ME (ASAP) and Mr. Jestin C Jose AP, ME (Autotech) for their commendable contributions.

We will miss service of Prof K Raghavan, who has superannuated on 30 April 18. I wish him all the success in his retired life.

As we bid farewell to our final year students (2014-18 batch), I wish them success in all their future endeavours.

**Cdr Raju K Kuriakose (retd)**

#### Inside this issue

- ✚ HOD Desk
- ✚ PEO's
- ✚ Vision and Mission
- ✚ PO's and PSO's
- ✚ AUTOTECH
- ✚ ROBOSAGA
- ✚ ASAP-CAD
- ✚ FAREWELL
- ✚ MEXTERIOUS  
2K18
- ✚ NEWLY JOINED  
FACULTY

#### 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

## Summer Camp-2018 Two days workshop on AutoTech



Department of Mechanical Engineering as part of Summer Camp 2018, conducted a two day's workshop - "Autotech" for the High school students on 17 April & 18 April 2018. Around 70 students of registered for the workshop. The day 1 began with a common inaugural session at Varikattu hall which lasted up to 11:30 AM. After the inaugural session the students were directed to respective departments where the workshop coordinator took over the charge of handling the sessions for the rest two days. The day -1 began with a welcome speech by Cdr. Raju K.K (ret'd)- HOD ME. The FN session was handled by Mr.Jestin.C.Jose (Asst.Prof,ME) in which the students were given an understanding on the basic objectives of the workshop and the workshop schedule to be followed. As per the schedule the students at initial stage were given a brief introduction to the 3D Rapid prototyping process, which concluded by 12:30 PM followed by lunch break.



## One day workshop on 'Automobile and Engine Mechanics' - ROBOSAGA



The Department of Mechanical Engineering conducted a one day workshop on "**Automobile & Engine Mechanics**" on 15<sup>th</sup> May 2018. Cdr.Raju K Kuriakose (Rtd) gave welcome speech for the ingauration ceremony. Dr.Benny Joseph Principal gave presidential address, Rev.Fr.Dr.Thomas Melvattath inaugurated the program. Automobile and IC engine mechanics workshop mainly focused from basics to advanced concepts in Automobile engineering. Workshop covered chassis design, working of suspension unit, steering system, braking unit, transmission, fuel supply system, advanced technologies like ABS,EBD,PGMFi,DTS-Fi,MPFI,VVTI.

## ASAP-DRAUGHTSMAN MECHANICAL CAD TRAINING



The General Education and Higher Education, Departments of Kerala State Government in India jointly launched an Additional Skill Acquisition Programme (ASAP) as part of State Skill Development Programme to enhance the employability of students passing out of Higher Secondary Schools as well as Arts and Science Colleges in the state. Department of mechanical engg VJEC has conducted the program during April-May 2018. Total 26 students were attended the course and they were completed the course in 84 hours. Rev. Fr. JinuVadakkemulanjanal inaugurated the programme, Dr.Benny Joseph Principal, VJEC gave presidential address, Cdr.Raju K Kuriakose (Rtd) gave welcome speech for the programme.

## Bid Farewell to Prof.Raghavan, Dean-ME.



Prof.Raghavan after his service as scientist in ISRO, joined in VJEC as head of the department of Mechanical Engg in 2008. He contributed to the college in conducting various programmes, initiated so many departmental activities and guided number of student projects. During his tenure, scientists and renowned personalities from ISRO and VSSC visited our college and attended various seminars and workshops. Later he took charge as dean of mechanical engineering. He served for 10 years in this institution and superannuated On 31 March 18. His contributions enhanced the departmental activities and the department is always indebted to him.

## Bid Farewell to Final year Students(2014-18)







The department of Mechanical engineering conducted technical fest **Mexterious 2K18** on **8<sup>th</sup> March 2018**. The technical fest was inaugurated by Rev.Fr.Thomas Melvettath. The faculty coordinator Mr.Shaminmuth coordinated the programme.

***WELCOME***



***Mr.Niyas KM***  
***B Tech, M Tech***  
***Assistant Professor,***  
***Specialization: Industrial***  
***Engineering***

### 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

*Staff Editors: Mejo M Francis & Hari Prasad M K*

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