



MECHNOVA

MECHANICAL DEPARTMENT NEWS LETTER

**WELCOME TO
A NEW ACADEMIC YEAR**

JUNE 2016

VOL 4, ISSUE 3

HOD DESK

HOD DESK

Greetings to Dear students, Faculty and Friends!

ME department welcomes our new Chairman, Fr.(Dr) Thomas Melvettath. "May Vimal Jyothi reach new heights under his able leadership!". Campus placement of 2012-16 batch was good. About 47 students placed from the campus and many others have got placed due to efforts of alumni and themselves. I wish all of them success with their new career. It is also the beginning of a new academic year. KTU syllabus and curriculum posses some challenges and I am happy note that staff is ready to meet those challenges with meticulous preparations and teaching. Department has planned a number of programmes and events this semester also. SAE Club is again given green light to go ahead with two interesting vehicle projects .

I wish every one of a you successful academic year ahead!

With warm regards

Cdr Raju K Kuriakose(retd)



*Mechanical Department Heartily
Welcomes Our New Chairman
Fr.Dr. Thomas Melvettath*

VISION

The "Mechanical engineering department strives to produce innovative and creative mechanical engineers to meet the global challenges"

MISSION

- *To provide state-of-the-art infrastructure to the students towards enhancing quality education in Mechanical Engineering.*
- *To educate students to build leadership quality, Entrepreneurships, Professional and ethical responsibilities for the benefits of the society.*
- *To create opportunities for the students in acquiring career oriented jobs.*

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As part of academic curriculum and evolving the skill set among S6 students, in association with the Intercad systems 1 week training programme on latest AutoCAD 2016 & Primavera P6 software was organized at college from 23 April 2016 to 28 April 2016.

The day-1 session started by 9:00 PM and began with the welcome speech by Jestin.C.Jose (Assistant Professor, ME), followed by introduction of the trainers Mr.Shiju (Training I/C), Mr. Nishad & Mr. Gokul. Mr.Shiju then gave us an introduction on AutoCAD and its history in design field followed by association with other establishments and the projects undertaken by them. The AutoCAD training session then went till 25 April 2016 and during the span of training the students were involved in intensive training on 2D and 3D modeling and drafting exercises. The AutoCAD training session came to end by 25 April 2016 4:00 PM.

The Second session on Primavera P6 began by 09:00 AM on 26 April 2016 in which introduction to the management software and its importance in industries was given. In this session the trainer Mr. Nishad specified the importance of the software and its flexibility in creating plans and schedules for large scale projects and how the projects can be managed effectively and efficiently. In the following days various exercises were given to students based on various project works.

CAMPUS PLACEMENT OFFERS IN MECHANICAL DEPARTMENT

- **Go Green BOV - 7**
- **Sutherland Global Services (Non-voice Process) - 14**
- **Reliance HR Service Pvt. Ltd. (Sr. BDE) - 3**
- **Digital Nirvana - 7**
- **Sodexo - 1**
- **Centre for Environment Education and Development (P) Ltd - 3**
- **Hyundai - 11**
- **Focus Academy for Career Enrichment (FACE) - 1**





BEYOND BOUNDARIES.....THE ULTIMATE CHALLENGE IS BACK....

THE VJEC MECHANICAL ENGINEERING TEAM IS ONCE AGAIN SELECTED FOR SAE BAJA EVENT.....!!!!!!IN THE PRIMARY AUDITION THE TEAM STANDS FIFTH POSITION ALL OVER INDIA...!!!!!!

THE TEAM COMPRISING 25 STUDENTS & 2 STAFF ADVISORS FROM ME DEPARTMENT

SAE NIS EFFI-CYCLE 2016



VJEC Mechanical Engineering Team is Participating SAE NIS EFFI-CYCLE an Intercollegiate Design Competition to Design and Fabricate an Energy Efficient Hybrid Human Powered Three Wheeled Electric Vehicle.

“EFFI-CYCLE” derived from Efficient-Cycle promote the objective of providing opportunity to the students to conceive, design and fabricate a three wheel configuration vehicle powered by human-electric hybrid power and capable of seating two passengers catering to the day to day mobility needs. The vehicle must be aerodynamic, engineered for performance & safety and ergonomically designed. The objective is to promote innovation and generate consciousness amongst the young engineers towards environment friendly mobility solution

SAE NIS EFFI-CYCLE is an intercollegiate design competition for the undergraduate and graduate engineering students where team of 6-10 students have to design and fabricate an energy efficient Hybrid human powered three wheeled electric vehicle.

This event provides opportunity for the engineering students by setting up the trend of using eco- friendly vehicle in India and come up with some innovative designs.

The vehicle should be capable to be driven simultaneously as well as alternatively by two drivers and also run simultaneously or alternatively on an electric drive.

WELCOME TO OUR NEWLY JOINED FACULTIES.....



DR.R.UMESH SUNDAR B.E, M.E, Ph.D.
Professor

Specialization: Industrial Engineering, Mechanical Engineering, Production Engineering



Mr. Rahul Elamon B tech, M tech
Assistant Professor

Specialization: Machine Design



Mr. Kevin V Kurian B tech, M tech
Assistant Professor

Specialization: Machine Design

The Programme Educational Objectives:

Programme educational objective of mechanical engineering department is aimed at graduating competent mechanical engineers with:-

- Technical competency in solving engineering problems, in various areas of mechanical engineering
- Ethics of the engineering profession, and serving the needs of society and enterprises with concern for social, economic, and environmental constraints.
- Increased technical and managerial capability for successful management of engineering projects.
- Effective technical, communication and teamwork skill.
- Commitment to continuing education and research in mechanical engineering and allied areas of science and technology



VIMAL JYOTHI ENGINEERING COLLEGE
Department of Mechanical Engineering

ONE WEEK ISTE SPONSORED SHORT TERM TRAINING PROGRAMME ON

RESEARCH TECHNIQUES AND TOOLS FOR ENGINEERS AND RESEARCHERS

OVERVIEW OF RESEARCH METHODOLOGY, MOTIVATION IN RESEARCH
SELECTION OF RESEARCH AREA, DEFINITION OF PROBLEM AND FORMULATING HYPOTHESIS
DESIGN OF EXPERIMENTS
MATHEMATICAL MODELING
SIMULATION MODELING
OPTIMIZATION TECHNIQUES
MECHANICS OF WRITING RESEARCH PAPERS, HANDLING PLAGIARISM AND SELECTING JOURNALS
TECHNIQUES FOR WRITING THESIS
HANDS ON SESSION ON LATEX AND MATLAB

COORDINATED BY
Dr. Sreejith Mohan
Prof. Lince Thomas
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20th-24th June, 2016
Msgr. Jacob Varikattu Hall, VJEC

Mechanical Engineering Department of VJEC is organizing one week **Short Term Training Programme (STTP)** on: **"RESEARCH TECHNIQUES & TOOLS FOR ENGINEERS & RESEARCHERS"** during **20 - 24 June 2016**. The programme is sponsored by the **Indian Society of Technical Education (ISTE)**.

The STTP aims to cover all the fundamentals of doing quality research and the techniques involved in writing journals and theses. A hands-on session on tools like **MATLAB** and **LateX** is also planned for. The sessions will be handled by expert faculties from various engineering colleges in Kerala. **The programme is purely interdisciplinary in nature**

Editors: Mejo M Francis, Hari Prasad

