



# VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI MECHNOVA



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## KNOW A FAMOUS MECHANICAL ENGINEER-Series 4



### **Frederick Winslow Taylor (March 20, 1856 – March 21, 1915):**

Frederick Winslow Taylor) was an American mechanical engineer who sought to improve industrial efficiency. He was one of the first management consultants. Taylor was one of the intellectual leaders of the Efficiency Movement and his **ideas**, broadly conceived, were highly influential in the Progressive Era (1890s-1920s). Taylor summed up his efficiency techniques in his 1911 book *The Principles of Scientific Management* which, in 2001, Fellows of the Academy of Management voted the most influential management book of the twentieth century. His pioneering work in applying engineering principles to the work done on the factory floor was instrumental in the creation and development of the branch of engineering that is now known as industrial engineering. Taylor made his name in, and was most proud of his work in, scientific management; however, he made his fortune patenting steel-process improvements.

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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 centre 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

## ‘AN INVITED TALK ON MEP MODELLING -REVIT’



The Department of Mechanical Engineering of Vimal Jyothi Engineering College, Chemperi in association with BIMLABS, Trivandrum conducted an invited talk on MEP modelling and REVIT on 12-11-2018 at 2 pm at Varikatt Hall. The faculty and final year students of the department participated in the program. Cdr Raju K Kuriakose (retd), Head of the Department, Mechanical Engineering, gave the welcome note. Mr. Shiju Sasidharan, Director, BIMLABS, Trivandrum delivered the talk on MEP and the REVIT software and addressed the students on the importance of the same at present in the field of engineering. The students gave a good feedback on the program that it was very informative.



## SIX DAYS WORKSHOP ON MSP AND PRIMAVERA P6



As a part of insight of making our students skilled in the field of relevant academic software, a six days workshop on MSP and Primavera P6 software was conducted by the Department of Mechanical Engineering from 18<sup>th</sup> November 2018. Twenty four students from fifth and seventh semester of Mechanical Engineering attended the programme.

## GATE 2019- COACHING CLASSES

With the aim of preparing our students to qualify the GATE 2019 with excellent scores, the GATE coaching classes are being given to the final year students of the Department. The classes are handled by the faculty of Department of Mechanical Engineering of VJEC. About fifteen students have enrolled and attend the classes.

## CNC TRAINING - CERTIFICATES ISSUED



To make our students educated theoretically and practically in modern manufacturing processes especially in CNC, a training program on CNC was conducted by the Department of Mechanical Engineering. The CNC Training Certificate distribution to students was done by Cdr. Raju K Kuriakose (retd) HOD, ME. The training included Machine specification and familiarization of different parts of CNC, Machine control panel options, Programming and so on.

## JOURNAL PAPERS PUBLISHED

1. **Cloud Based SCADA System for Integrated Water Resources Development and Management Approach with Special Reference to Kannur District-***International Journal of Applied Science and Engineering*, 6(2): 135-148, December 2018 - Dr. P. Sridharan, Associate Professor, Department of Mechanical Engineering, VJEC.
2. **Weight Loss on AL-SI-XB4C Composites prepared through powder Metallurgy in Acidic Solution using response surface methodology-** *International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 9, issue 11, November 2018 - Christopher Ezhil Singh S, Professor, Department of Mechanical Engineering, VJEC
3. **Friction Behaviour of AL-SI-B4C composites prepared by powder metallurgy technique using RSM-** *International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 9, issue 11, November 2018 - Christopher Ezhil Singh S, Professor, Department of Mechanical Engineering, VJEC





Congrats to Mr. Vaishak R Das of S7 ME B for having achieved the third prize for the College Level Aptitude test competition conducted on 5<sup>th</sup> Oct 2018.



A team formed by the final year students of our department designed and fabricated the efficycle 'ALPHA 12' and participated at national level competition held at Lovely Professional University, Punjab. We secured forty fourth position with 509 points in the competition.

## **BEST WISHES TO OUR FACULTY**



**Mr. Midhun Mukundan M K (PhD course work)**



**Mr. Nikhil Babu**



**Mr. Arjun P (PhD admission at IISc)**

## **Program Outcomes (POs)**

- 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 (PSOs)**

- PSO1: An ability to use computer aided modelling and simulation tools to provide solutions to mechanical engineering problems.
- PSO2: An ability to develop and implement a process in a well-planned manner leading to a demonstrable product

***Staff Editors: Mr. Hari Prasad M K & Mr. Gokulnath R***

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