



# VIMAL JYOTHI ENGINEERING COLLEGE CHEMPEERI

## MECHNOVA



## MECHANICAL DEPARTMENT NEWS LETTER

FEBRUARY 2018

VOL 6, ISSUE 1

### HOD DESK

*Greetings to Dear students, Faculty and Friends!*

Department of mechanical engineering is following outcome based education and towards obtaining accreditation for the same has filed Pro-forma for Pre-Qualifiers Tier-II Institutions on 05 Feb 18. SAR need to be filed by end July 2018. I exhort all stake holders to participate in the accreditation process wholeheartedly. DAB meeting conducted on 18 Jan 18 has reviewed the Department Vision, Mission, PEOs, PSOs and other academic related matters. We are happy to contribute to the society directly by being part of Additional Skill Acquisition Programme, (ASAP) Govt of Kerala. The course offered is "Draughtsman-Mechanical CAD". Congratulations to the coordinators for getting the approval. Congratulations also due to our students Mr. Avinash S Pramod, Khamarudheen and Abhijith K P of S6 ME for securing 2<sup>nd</sup> position in "Research and Innovation Expo" at Shaastra 2018.

*I wish you all success in every endeavors.*

*Cdr Raju K Kuriakose (retd)*

### Inside this issue

- ✚ HOD Desk
- ✚ PEO's
- ✚ Vision and Mission
- ✚ DAB Meeting
- ✚ Newly joined faculties
- ✚ Farewell
- ✚ Seminar
- ✚ Shaastra 2018
- ✚ Student achievement
- ✚ Charity pilgrim
- ✚ Forthcoming event

### 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

# Department Advisory Board Meeting



The Second Department Advisory Board meeting for the Department of Mechanical Engineering was conducted on 18 January 2018, 02.15 PM at Board Room, VJEC. The DAB committee was chaired by Prof. Raghavan, Dean, ME, VJEC along with one industrial expert, Representative of alumni, Representative of Parents, Staff's from department of Mechanical Engineering were present at the meeting. During this meeting the review on Vision, Mission PEO, PO and PSPO & Needs to fulfill the curriculum gap are discussed and suggestions are noted.

**Welcome - Our Newly Joined**

**All the Very Best**



**Mr.Denny J  
Ottarackal**  
MTech -NIT Agarthala  
BTech-Amal Jyothi Engg  
College



**Mr.Anand C**  
MTech –Manipal  
Institute of  
Technology.  
BTech- Vidya  
Academy



*We wish you all the very best dear colleagues Mr. Shijil P. Your great contributions to Mechanical Engineering Department will be always remembered.*

## One day Seminar on “Trends and Scope of CNC Machines”



One-day seminar on “Trends and scope of CNC Machines” was conducted on 08-01-18 as the part of awareness of acquiring additional skill. Total participants were 36 in number from S4 and S6 Mechanical engineering. Session was handled by Mr. Junaid and Mr. Jishnu from TECHLOGIX, Kannur.

## Research and Innovation Expo – IIT Madras



Abijith K P  
S6 ME B



Avinash S Pramod  
S6 ME A

4-7 January, 2018



Khamarudheen  
S6 ME B

**2<sup>nd</sup> Prize In “ Research and Innovation Expo ”**  
**at Shaastra 2018, IIT Madras**

Mr. Avinash S Pramod (S6 ME A) and team (Khamarudheen and Abijith K P of S6 ME B) secured 2<sup>nd</sup> position in “Research and Innovation Expo” at Shaastra 2018, annual technical festival of Indian Institute of Technology Madras. The project was done under the guidance of Mr. Jithin Mon, AP, ME

## Student Achievement



Mr. Amal Chacko S8 ME A secured first prize in the inter collegiate student competition organized by Peoples movement for Peace on 19<sup>th</sup> Dec 2017.

## Charity Pilgrim



First year mechanical B batch students visited 'Providence home' at vilamana and A batch students visited 'Theresa bhavan' at vembua on 10<sup>th</sup> January 2018 as the part of their charity pilgrim.

## Forthcoming Events

### ADDITIONAL SKILL ACQUISITION PROGRAMME(ASAP)- Draughtsman Mechanical CAD

The General Education and Higher Education, Departments of Kerala State Government in India approved Additional Skill Acquisition Programme (ASAP) at VJEC 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 will be coordinating the Training in the month April-May 2018.

Coordinators; Mr. Shaji George and Mr. Justin C Jose.

### 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