



# VELALAR

## COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)  
(Accredited by NAAC with 'A' Grade and Accredited by NBA)

### DEPARTMENT OF MECHANICAL ENGINEERING



## “VCET- MECHMERIZE”

### NEWSLETTER - EVEN SEMESTER - 2016-17

Volume: 2 Issue: 2

#### MESSAGE FROM SECRETARY



I am happy to inform that the Department of Mechanical Engineering of Velalar College of Engineering and Technology is publishing their Department News Letter for the Even Semester of 2016-2017. I commend and appreciate the efforts taken by the staff and students to enhance the quality of academics in the college. Our Institution has the credentials and proven strengths to initiate such an indispensable academic activity.

**Thiru.S. D. CHANDRASEKAR**

#### MESSAGE FROM PRINCIPAL

It takes great pleasure in congratulating the Department of Mechanical Engineering on the pleasant occasion of releasing the newsletter ‘VCET MECHMERIZE’ for the period Even Semester of 2016-2017. It is great to find a considerable number of winners and participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary skill-sets to bring such laurels to the institution. I wish this number to grow in the years to come. I wish them all the very best for future endeavors.

**Dr. M. JAYARAMAN**



#### MESSAGE FROM HOD



It is a great opportunity to present the second issue of “VCET MECHMERIZE”. This year was full of various activities by the students and faculty in academic, co-curricular, extra-curricular activities by the students as well as research & development activities by the staff. As you read through the pages you will realize, that the Department had a successful year and we succeeded in organizing various events this year. I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace.

**Dr.R. KUMARAVELAN**

#### GUEST LECTURE

A Lecture on “New Product design and development” was delivered by **Mr. N. Charath Chander, Director, MaxCADD, Coimbatore** on 12.01.2017. In his lecture, he explained about how the new project idea is created and its applications.





### WORKSHOP ON DESIGN CONTEST

A one day workshop on “Design Contest” was organized on 08.03.2017. Experts from **CADD Centre, Erode** conduct the contest for second and third year students. The students were eagerly participated and improved their design skills.



### PROJECT EXPO ON ENGINEERING INNOVATION

PROJECT EXPO ON ENGINEERING INNOVATION 2017 was organized on 10.03.2017 (Friday). In this Project Expo, 47 Projects were displayed. Three of them got prize.



### NATIONAL LEVEL STUDENTS TECHNICAL SYMPOSIUM

The Third National level technical symposium was organized on 11.03.2017. Various events like Technical Paper Presentation, Quiz, Aqua Rocketry, CAD Modelling, Contraption and short film were organized. More than 100 students from other colleges all over India actively participated. In total 88 papers were received and 24 papers were selected and presented during the symposium. **Dr. S. Selvakumar, Scientist-SF, SDSC-SHAR, Sriharikota** was the chief guest for the Inaugural function.

### GUEST LECTURE ON INDUSTRIAL EXPECTATIONS AND GAPS

A Lecture on “Industrial Expectations and Gaps” was delivered by **Mr. D. Eragamani, Assistant General Manager & Head/TOM, Carborundum Universal Ltd, Hosur** on 03.04.2017. In his lecture, he narrated the preparedness of the students who enter into the core industries.

### STUDENTS ACHIEVEMENTS

#### ACADEMIC TOPPERS

(2013-2017) Batch – Final Year

(2014-2018) Batch – Third Year

(2015-2019) Batch – Second Year



**PAVITHRAN C**

**SHRINESH P**

**MANJULA DEVI M**

**VELAYUTHAM V**

**SHRI KRISHNA U**

**SURIYANARAYAN T**

**8.27**

**8.24**

**8.50**

**8.37**

**8.64**

**7.91**

## CO / EXTRA- CURRICULAR ACTIVITIES

### (i) Participation in various events conducted by other colleges.

Events	No. of students participated	Prizes won
Paper Presentation	40	10
CAD Modelling	6	2
Technical Quiz	15	5
Other events	26	10
Workshop	55	-
<b>Total</b>	<b>142</b>	<b>27</b>

### (ii) Paper Presentation in International/ National Conference

- **Dr.R.Kumaravelan, Mr.E.Julien Joseph, R.Govardhan, K.A. Selvamani, B. ThiruvellKannan** presented paper entitled Investigation of Mechanical Behaviour of Hybrid Fiber Reinforced Polymer Composites in the National Conference on Electrical, Civil, Mechanical Communication System held at Dr.Nagarathinam's College of Engineering, Namakkal on 24<sup>th</sup> February 2017.
- **Mr.M.Prakash, Mr.D.Kesavan, K.S.DharaniDharan, R.Dinesh, R.Udhaya Kumar, C.Vignesh** presented paper entitled Optimization and Analysis of Mouth piece plate material in butter packing machine in the National Conference on Recent Advancements in Mechanical Engineering held at Nandha College of Technology, Erode on 28<sup>th</sup> March 2017.
- **Mr.R.Mahesh Kumar, T.M.Saravanan, V.Jayaprakash, A.A.Jayasurya, L.Kavinkumar** presented paper entitled Hydrogen Electrolyser in the National Conference on Recent Advancements in Mechanical Engineering held at Nandha College of Technology, Erode on 28<sup>th</sup> March 2017.
- **Mr.S.Arun Kumar, V.Balaji, V.Suganth, S.Kavinprasanth, M.Kathires, L.Sudhakar** presented paper entitled Rice Husk Reinforced with Cotton Fiber Polyester Composites in the

International Conference on Futuristic Innovation in Mechanical Engineering and Manufacturing Management (ICFIMEMM-17) held at M.Kumarasamy College of Engineering, Karur on 30 & 31<sup>st</sup> March 2017.

- **Dr.R.Kumaravelan, Mr.E.Julien Joseph, R.Govardhan, K.A.Selvamani, B.ThiruvellKannan** presented paper entitled Investigation of Mechanical Behavior of Hybrid Fiber Reinforced Polymer Composites in the International Conference on Engineering Technology and Science held at Muthayammal Engineering College, Namakkal on 30 & 31<sup>st</sup> March 2017.
- **Mr.A.Manoj Kumar, L. Sudhakar, T. Dinesh kumar raja, S. Gopala Krishnan, J. Sri Rama Krishnan** presented paper entitled Vibration Testing of polymer Nano of Composite Gears in the International Conference on Futuristic Innovation in Mechanical Engineering and Manufacturing Management (ICFIMEMM-17) held at M.Kumarasamy College of Engineering, Karur on 30 & 31<sup>st</sup> March 2017.

### (iii) Industrial Visits

Students underwent Industrial visit to the following industries. Mettur Thermal Power Station & Hydro Power Station, Mettur, Anamalai's Engineering Coach Builders, Pollachi.

### (iv) Academic Results

Year	Pass Percentage
Final	79.10
Third	72.95
Second	52.72
<b>Total</b>	<b>68.27</b>

### (v) Placement Details

No. of Students Eligible	No of Students placed	No of Students placed in core
54	50*	32*

\*As on 31.03.2017



### (vi) Major Core Recruiters

- M/s. Wipro Technologies, Bangalore
- M/s. Tech Mahindra, Bangalore
- M/s. Eureka Forbes, Chennai
- M/s. Just Dial, Chennai
- M/s. Hinduja Global Solutions, Chennai
- M/s. Milacron, Coimbatore
- M/s. Super Sales India Pvt Ltd, Mettupalayam
- M/s. Tenneco Automotive India Pvt Ltd, Hosur

### (vii) Special Achievement

- Gokulakrishnan. P & Hariharan. K, Second B.E., Mechanical has secured Second prize in CAD Modelling in Professional Group of Institutions.
- Dhachinamoorthi. V & Giri. P Second B.E., Mechanical has secured First prize in Water Rocketry in K.S.Rangasamy College of Technology.
- Suwedha. S & Madhu Sri. M, Second B.E., Mechanical has secured First prize in Water Rocketry in Coimbatore Institute of Technology
- Raj kumar. P & Navaneethan. A, Third B.E., Mechanical has secured First prize in Technical Quiz in K.S.Rangasamy College of Technology.

### FACULTY ACHIEVEMENTS

#### (i) Programme attended by Faculty members

Events	No. of Programmes attended
Workshop	4
Seminar	8
<b>Total</b>	<b>12</b>

#### (ii) Paper Presentation in International Conference

- **Mr.V.Mohan Kumar** presented paper entitled Study on Wear Behaviour of A1 7075/A120 SIC/Graphite Hybrid Composite in the International Conference on Futuristic Innovation in Mechanical Engineering and Manufacturing Management (ICFIMEMM-17) held at M. Kumarasamy College of Engineering, Karur on 30 & 31<sup>st</sup> March 2017.

#### Editorial Board

**Editor in Chief : Dr. R. Kumaravelan, Prof & Head**

**Associate Editor : Mr. L. Gokulavasan, AP/Mech**

**Mr .D.Kesavan, AP/Mech**

