

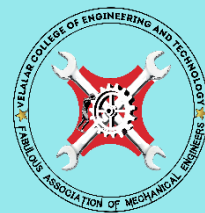


VELALAR

COLLEGE OF ENGINEERING AND TECHNOLOGY

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

DEPARTMENT OF MECHANICAL ENGINEERING

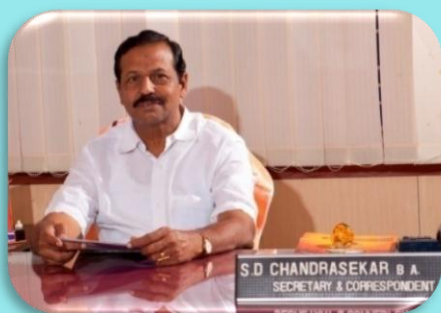


“VCET- MECHMERIZE”

NEWSLETTER - ODD SEMESTER - 2016-17

Volume: 2 Issue: 1

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 Odd Semester of 2016-17. 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 Odd Semester of 2016-17. 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

INAUGURATION OF ASSOCIATION ACTIVITIES

Inauguration activities of FAME & IIPE students’ chapter for the academic year 2016-'17 was held on 25.07.2016. Mr.V.M. Dhanasekar, Assistant Manager, Global Automotive Research Centre, Kanchipuram was the chief guest. He delivered special lecture on “Global Perspectives on Automobile”.



Guest lecture

A lecture on 'Applications of Finite Element Analysis' was delivered by **Mr. V. Siva Kumar, Associate Professor, Department of Mechanical Engineering, MAM College of Engineering & Technology, Tiruchirappalli on 29.04.2016**. In his lecture, he explained about basic concepts of static analysis, thermal analysis, fracture analysis & stiffness of materials.

Faculty Development Programme

Faculty Development training programme on **ME 6506 – Dynamics of Machines** was conducted by the Department of Mechanical Engineering during **16 – 18 June, 2016**. About 34 faculty members from the Engineering colleges all over Tamilnadu have participated. **Dr.C.Velmurugan, Prof/Mech, Kumaraguru College of Technology, Coimbatore, Dr.V.Hariharan, Prof/Mech, Kongu Engineering College, Perundurai, Dr.R. Kumaravelan, Prof & Head/Mech, VCET** were the resource persons.



Workshop on GD&T

One day workshop on Geometric Dimensioning and Tolerancing (GD&T) in association with **M/S, CADD Centre, Erode on 19.08.2016**. The workshop was conducted by the resource persons **Mr. K.R. Santhosh Kumar, Centre Manager** and **Mr. M. Arun Kumar, Senior CAD Engineer**. In their lecture, they explained about basics of Geometric dimensioning, Tolerance and its types in morning session. Hands on Training in GD&T was given in afternoon session.

Guest Lecture

A lecture on 'Biocompatible Materials and its Applications' was delivered by **Dr. S. Shankar, Associate Professor, Department of Mechatronics Engineering, Kongu Engineering College, Erode on 09.09.2016**. He prefaced his lecture to mold the students in new technological path. He insisted the students to know all new research techniques in Biomechanical field. In his lecture, he explained about human implants, Finite element concepts and biomedical applications.



Intra Departmental Activity Day

Various Intra-departmental events were organized on the Activity day on **10.09.2016**. Final, Third and Second year B.E. Mechanical Engineering students were participated in the events like Paper presentation, Technical Quiz, Water Rocketry, CAD Modeling.



Hands on Training on “Applications of Finite Element Analysis”

Two Day Hands on Training on “Applications of Finite Element Analysis in Mechanical Engineering” was conducted by the Department of Mechanical Engineering during 02-03, Dec 2016. About 35 participants from various institutions all over Tamilnadu have actively participated in the programme.



FOSSEE Workshop

The Department of Mechanical Engineering, in association with the Quality Improvement Cell, organized the following workshop

- Workshop on SCILAB on 15.09.2016 - 120 Students and 10 Faculty Members
- Workshop on QCAD on 09.09.2016 - 100 Students and 8 Faculty Members

STUDENTS ACHIEVEMENTS

ACADEMIC TOPPERS

(2012-2016) Batch – Final Year

(2013-2017) Batch – Third Year

(2014-2018) Batch – Second Year



ANBUKKARASU B
8.52



KARTHICK M
8.43



PAVITHRAN C
8.31



SHRINESH P
8.23



MANJULADEVI M
8.56



VELAYUTHAM V
8.25

CO / EXTRA- CURRICULAR ACTIVITIES

(i) Participation in various events

Events	No. of students participated		Prizes won	
	Others	VCET	Others	VCET
Paper Presentation	20	38	9	8
CAD Modelling	3	22	-	4
Technical Quiz	10	7	-	4
Other events	20	14	3	9
Workshop	39	-	-	-
Sub Total	92	81	12	25
Total	173		37	

(ii) Industrial Visits

Students underwent Industrial visit to the following industries. Sakthi Auto Components Ltd, Erode, Anamalai’s Engineering Coach Builders, Pollachi.

(iii) In-Plant Training Underwent

103 students of IV, III & II year underwent industrial training during Nov/Dec 2016 at leading industries including Ashok Leyland, Mettur Thermal Power Station-I, Steel Authority of India Limited, Tamilnadu Transport Corporation Limited, TVS Training and Services Ltd, Sakthi Auto Component Limited, Agni Steels, Diesel Loco Shed, Erode.

(iv) Academic Results

Year	Pass Percentage
Final	91.30
Third	72.06
Second	60.80
Total	74.72

(v) Special Achievement's

- T.Elangovan, Third B.E Mechanical has secured Second prize in Tamil Elocution event in Velalar College of Engineering and Technology on 15th August 2016.
- N.P.Saran & T.K.Tamilarasan, Third B.E Mechanical has secured First prize in Paper Presentation in National Level Technical Symposium organized by Hindusthan Institute of Technology on 16th September 2016.
- N.P.Saran & T.K.Tamilarasan, Third B.E Mechanical has secured Third prize in Mr.Mechanic Technical event in National Level Technical Symposium organized by Hindusthan Institute of Technology on 16th September 2016.
- M.Manjula Devi & S.Sandhiya, Third B.E Mechanical has secured Secondprize in Paper Presentation in National Level Technical Symposium organized by Dr. N.G.P. Institute of technology, Coimbatore on 17th September 2016.
- M.Manjula Devi & S.Sandhiya, Third B.E Mechanical has secured First prize in Paper Presentation in National Level Technical Symposium organized by Al-Ameen Engineering College on 21th September 2016.
- M.Vasanthavelan, S.Rajkumar & S.Tamilarasan Second B.E Mechanical has secured Second prize in Paper Presentation in National Level Technical Symposium organized by Coimbatore Institute of Technology on 23rd& 24th September 2016.

FACULTY ACHIEVEMENTS

(i) Programme attended by Faculty members

Events	No. of Programmes attended
FDP	21
Workshop	26
Seminar	4
Total	51

(ii) Publications in International Journals

- M. Jayaraman, Prof & Principal published a paper entitled "Enhancement of Wear Resistance of AISI 1040 Forged Steel Roller Shaft by different Ceramic Oxide Coatings using Plasma Spray Process for Sugarcane Industries", in International Journal of Asian Journal of Research in Social Sciences and Humanities.

- M. Jayaraman, Prof & Principal published a paper entitled "Strength of Hollow Section and Inter Lock Weld in Automobile Power Transmission Joint", in International Journal Of Advanced Engineering Technology.
- S.C. Thiyagarajan, Asso. Prof. published a paper entitled "Determination of Change in Mechanical Properties of Banana Fibres Treated with Sodium Carbonate, Barium Hydroxide", in International Journal of Printing, Packaging & Allied Sciences.

(iii) Special Lecture's delivered

- Dr. M. Jayaraman has delivered a special Lecture on "Investigations on friction stir welding of cast aluminium alloys" on 08.07.2016 at Annamalai University, Chidambaram.
- Dr. R. Kumaravelan has delivered a special Lecture on "Kinematics of Machinery" on 14.12.2016 at KSR Institute for Engineering and Technology, Tiruchengode.
- Dr. R. Kumaravelan has delivered a special Lecture on "Engineering Mechanics" on 17.12.2016 at KSR Institute for Engineering and Technology, Tiruchengode.

MoUs SIGNED

- M/s. CADD Centre, Erode
- M/s.M-Total Instrumentation Solutions, Coimbatore
- M/s MAX CADD, Coimbatore

Editorial Board

Editor in Chief : Dr. R. Kumaravelan, Prof & Head
Associate Editor : Mr. L. Gokulavasan, AP/Mech
Mr. D.Kesavan, AP/Mech

