

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

(Affiliated to Anna University, Accredited by NAAC with 'A' Grade & Accredited by NBA)



DEPARTMENT OF MECHANICAL ENGINEERING

“VCET-MECHMERIZE”

NEWSLETTER - ODD SEMESTER 2019-20

Volume: 5 Issue: 1

MESSAGE FROM THE 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 2019-20. 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 the strengths to initiate such an indispensable academic activity.

- S. D. CHANDRASEKAR

MESSAGE FROM THE PRINCIPAL

It's my pleasure to congratulate the Department of Mechanical Engineering on the pleasant occasion of releasing the newsletter “VCET MECHMERIZE” for Odd Semester 2019-20. It is great to find a considerable number of winners and participants in co-curricular and extracurricular activities which certainly prove that our faculty members and students are adequately equipped and possess necessary skill-sets to bring such laurels to the institution and to the department. 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 THE HEAD OF THE DEPARTMENT



It is a great opportunity to present the First issue of ‘VCET MECHMERIZE 2019-20’. This year was full of various activities by the students and faculty members in academic, co-curricular and extra-curricular activities, as well as research & development activities by the faculty members. As you read through the pages you will realize, that the Department had a successful year and we succeeded in organizing various events this Semester. I would like to thank all my colleagues and young minds for their tireless efforts to help the department progress at a very steady pace.

- Dr. R. KUMARAVELAN

FAME Inauguration and Guest Lecture

The inaugural functions of ‘Fabulous Association of Mechanical Engineers (FAME)’ and ‘SAE India VCET Collegiate Club’ for the academic year 2019-2020 were conducted on 12.07.2019 and organized a guest lecture on the topic “Career Opportunities for Mechanical Engineers”. Mr.P.Prithiviraj, Deputy Manager – Quality Function, Royal Enfield (A unit of Eicher Motors Limited), Kancheepuram was the chief guest.





Workshop on CAD Software

Organized a workshop to the Third year Mechanical Engineering students on CAD software on 01.08.2019. Trainers from the CADD Centre, Erode gave a training and demo on CAD software to the students and explained the role and importance of design software in industries.

SAE Lecture Meeting

Organized a lecture meeting on the topic 'Simple Innovations as Foundation for Product Design' on 02.08.2019. Mr.C.Varadharajan, Technical Advisor, HEXDOF Engineering Services Pvt. Ltd, Chennai delivered a lecture on recent innovations and technologies for product design .



Guest Lecture

Organized a guest lecture on the topic 'Industrial Automation' on 16.08.2019. Mr.K.Pradeeshbabu, Business Development Engineer, Axis Global Institute of Industrial Training, Coimbatore delivered the importance on applications of PLCs and scope of Mechatronics in industries.

Intra Departmental Activity Day

Various Intra-departmental events were organized on the Activity day on 21.09.2019. All students were actively participated in the events like Paper presentation, Technical Quiz, Water Rocketry, Clay Modeling, CAD modeling and Drafting contest.



Guest Lecture

Organized a guest lecture on the topic 'Industrial Automation' on 26.09.2019. Mr.M.S.Muthusamy, Managing Director, MSM Energy Enterprises, Coimbatore delivered the recent trends in renewable energy technologies.

SAE Tier-I Events

SAE INDIA VCET COLLEGIATE CLUB organized Tier-I events on 17.10.2019 for the mechanical engineering students. Various technical events were conducted on this program. Students had actively participated in various events like Paper presentation, Auto Quiz, Welding, Machining, Mobile Robotics, Business Plan, Material Identification and empower their talents in their respective fields.



STUDENTS ACHIEVEMENTS

Academic Toppers (A Section) – Even Semester 2018-19

(2015-2019) Batch – Final Year

(2016-2020) Batch – Third Year

(2017-2021) Batch – Second Year



AJITHKUMARAN K S
7.70 CGPA

LOGESWARAN R
7.56 CGPA

JAGATHESWARAN V
9.31 CGPA

JAWAHARBABU R
9.11 CGPA

MOHANRAJA A
9.60 CGPA

KAVISANKAR P
9.43 CGPA

Academic Toppers (B Section) – Even Semester 2018-19

(2015-2019) Batch – Final Year

(2016-2020) Batch – Third Year

(2017-2021) Batch – Second Year



PIREYANKA T V
8.10 CGPA

NAVASELVIYA M
7.91 CGPA

RANJITHKUMAR K
9.35 CGPA

VIGNESH R
9.24 CGPA

RAJA ISHWARIYA S
9.27 CGPA

KAMALI R
9.06 CGPA

CO / EXTRA- CURRICULAR ACTIVITIES

(i) Students Participation in various events

Events	Participated	Prizes won
Paper Presentation	9	4
Workshop	124	-
CAD Modeling	5	2
Seminar	9	-
Project Presentation, PALS, Other SAE Events	21	16
Lecture Meeting	38	-
RC Car	10	6
Symposium in all events	18	12
Total	234	40

(ii) Industrial Visits

Third and Second year students underwent Industrial visit to the Infosys, Mysore and Anamalai's Engineering Coach Builders, Pollachi.

(iii) In-Plant Training Underwent

35 students of IV, III & II year underwent industrial training during July-November 2019 to the leading industries including Tamil Nadu Newsprint and Papers Limited, Karur, Ambal Autos, Erode and TNSTC - R/C Unit Erode.

(iv) Placement Activities

- Final year student Dharani S B, Thuvarakesh V & Yuga Saisabari O M got placed in CTS, Chennai.
- Final year student Jawaharbabu R, Somasundaram K & Vimalaswaran S got placed in TCS, Chennai.
- 27 Final year students got placed in Woosu Automotive Pvt Ltd, Chennai.
- 26 Final year students got placed in YSI Automotive Pvt Ltd, Chennai.

(v) Academic Results

Even Semester (2018-19) Pass %	
Final Year	62.28
Third Year	89.25
Second Year	76.42
Total	75.98

(vi) NPTEL Online Courses

Subject Name	No. of Students Attended		No. of Students Cleared	
Industrial Safety Engineering - Online	1	3	1	3
Fundamentals of Surface Engineering Mechanisms Processes & Characterizations - Online	-	3	-	3
Plastic Working Of Metallic Materials - Online	-	2	-	-
Total	9		7	

FACULTY ACHIEVEMENTS**(i) Programme attended by Faculty members**

Programme	No. of Events	No. of Faculty
FDP	4	9
Workshop	3	8
Seminar	3	5
Total	10	22

(ii) IIT Alumni Industry Interaction Programme

Programme	Name of the Faculty	Venue
Industrial visits	TCR.Dinesh	Saint Gobain, Perundurai
Industrial visits	D.Senthilkumar	L&T Valves Ltd, Coimbatore
FDP	A.T.Navin Prasad	IIT Madras
Industrial visits	M.Gokul	Shanthi Gears Ltd, Coimbatore

(iii) Grants Received

- Dr. M. Jayaraman and D.Senthilkumar received a grant of Rs.20,000/- from the Tamilnadu State Council for Science and Technology, Chennai for organizing a two day National level Seminar on “Artificial Intelligence techniques and their Applications in Design and Manufacturing”.

(iv) Publications in International Journals

- Dr.M.Jayaraman, “Experimental Investigation of fatigue behavior on EN-8 steel (080M40/AISI 1040) under heat treatment and shot peening processes”, Transactions of FAMENA, ISSN 1333-1124, Volume-43, Issue-3, Page 125-136, November 2019.

(v) PhD Viva-voce Completion

- Dr.A.Thirumoorthy, Assistant Professor (Sr.Gr.), has completed his public viva voce on “Tribological Characterization of Hybrid Aluminium Composites and Optimization of Machining Process Parameters” under Anna University, Chennai on 24.10.2019.