

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 - EVEN SEMESTER 2021-22

Volume: 7 Issue: 2

VISION

To be a centre of excellence in Mechanical engineering through quality education and research thereby producing competent engineers, leaders and entrepreneurs to meet the national and global challenges.

MISSION

M1: To provide quality education and training through effective teaching - learning process by adopting innovative pedagogical methods.

M2: To develop competent engineers into professionals, leaders and entrepreneurs with ethical values for the requirements of the nation and beyond.

M3: To strengthen the Research and Development activities to meet the global needs.

M4: To impart knowledge on industry specific needs and cutting edge technologies through seminars, workshops and guest lectures.



MESSAGE FROM THE SECRETARY

It gives me immense pleasure to note that response to VCET MECHMERIZE newsletter has been overwhelming. The wide spectrum of articles in different sections gives me a sense of pride that our students and professors possess creative potential and original thinking in ample measures. I applaud the contributors for their stimulated thoughts and varied hues in articles contributed by them. Commendable job has also been done by the Editorial Board in planning for and producing this newsletter.

- S. D. CHANDRASEKAR

MESSAGE FROM THE PRINCIPAL

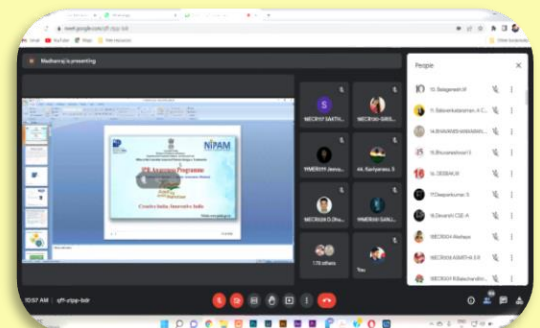
It is a matter of great pride and satisfaction to bring out the VCET MECHMERIZE" Newsletter for Even Semester 2021-22. My congratulations to all the prize winners and active participants in co-curricular and extracurricular activities by students and skill development activities by faculty members. I wish this count to grow in the upcoming years. I wish them all the very best for future endeavors. My congratulations to the team who took the responsibility for the arduous task.

- Dr. M. JAYARAMAN



Awareness Programme

Organized an awareness programme on 'Intellectual Property Rights (IPR) under National Intellectual Property Awareness Mission (NIPAM)' on 15.03.2022. Mr. Madhanraj, Examiner of Patents & Designs, Indian Patent Office (IPO), Chennai delivered awareness about various IPR activities. As per the AICTE MoE's Innovation Cell guidelines jointly under KAPILA Scheme.





Yoga Practice for Health & Hygiene

Organized a Yoga practice for Second year Mechanical Engineering students to improve their health and Self-hygiene on 14.03.2022.

Thiru. Yogi Anandaswamy, Ananda Marga Pracharaka Samgha, Coimbatore was the chief guest.

Motivational Programme

Organized a Motivational Programme on the topic 'Effective leadership' on 21.03.2022. Mr.P.AnjeshKumar, Communication and Soft Skill Specialist, Brainwave, Coimbatore was the chief guest. He motivated the students for their career growth and trained the students on improving communication skills.



Value Added Course

Organized a Value Added Course to the final year Mechanical Engineering students on Vibrational analysis using ANSYS on 28.03.2022. Mr. R. Hariharasudhavelan, CAD Engineer, M/S. CADD Centre, Erode gave a training on vibrational analysis using ANSYS to the students and explained the role and importance of analyst in industries

Intra Departmental Paper Presentation

Intra-departmental paper presentation was organized 09.04.2022. Students from Third & Second year were actively participated and showcase their innovative ideas.

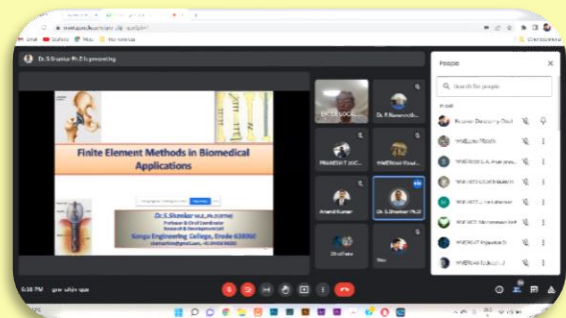


Value Added Course

As a part of curriculum enrichment, a Value Added Course was organized on 'Foundation to CAD using AutoCAD' on 19.04.2022 & 20.04.2022 for the first-year students Mr. R. Hariharasudhavelan & Ms.M.Bhuvaneshwari, CADD Engineers, CADD Centre, Erode gave training on AUTOCAD software to the students.

Webinar

Organized webinar on Finite Element Concepts in Biomedical Applications in association with IEI – Erode Local centre on 20.04.2022. Dr.S.Shankar, Professor & Chief Coordinator, Research & Development Cell, Kongu Engineering College, Perundurai was the chief Guest. He prefaced his lecture to mold the students in new technological path.



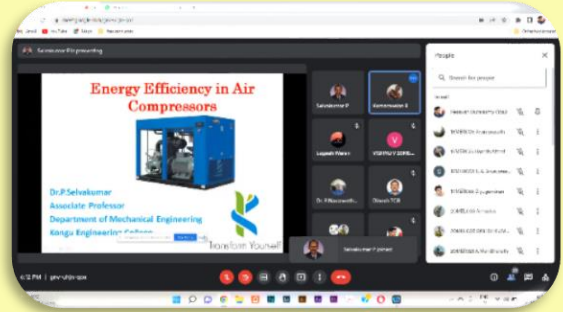


National Level Technical Symposium “MECH ZEAL ‘22”

A National level Technical Symposium was organized on 26.04.2022. Various technical events were organized on this symposium. Mr. Sathyamurthy Chinnasamy, Vice President – Operations, Aquasub Engineering, Coimbatore Mr. T. Narendran, VP- Finance and Administrations, Aquasub Engineering, Coimbatore were the Chief guests. Students from various institutions participated in various events like Paper presentation, Quiz, Aqua Rocketry, CAD Modeling and empower their talents in their respective fields

Webinar

Organized webinar on Energy Efficiency in Air Compressors in IEI – Erode Local centre on 28.04.2022. Dr. P. Selvakumar Associate Professor Department of Mechanical Engineering, Kongu Engineering College, Perundurai was the chief Guest. In his lecture, he explained about Industrial Air compressors and their applications.



Workshop

Organized a two-day workshop on AutoCAD on 28.04.2022 & 29.04.2022 to the Second year Mechanical Engineering students. Ms. M. Bhuvaneshwari, CADD Engineer, CADD Centre, Erode gave a training and demo on AutoCAD software to the students and explained the role and importance of design software in industries.

STUDENTS ACHIEVEMENTS

Academic Toppers (A Section) – Odd Semester 2021-22

(2018-2022) Batch – Final Year

(2019-2023) Batch – Third Year

(2020-2024) Batch – Second Year



BARANIKA SRI R
9.84 CGPA



ANIRRUDH SHRINATHS
9.71 CGPA



HARISHANKAR J
9.60 CGPA



MOHANPRASATH G
9.36 CGPA



SAPNAA N
9.85 CGPA



SANTHIYA R
9.47 CGPA

Academic Toppers (B Section)– Odd Semester 2021-22

(2018-2022) Batch – Final Year

(2019-2023) Batch – Third Year

(2020-2024) Batch – Second Year



SAMUEL D
9.78 CGPA



SARAVANAN R
9.60 CGPA



NAVINKUMAAR S
9.76 CGPA



PRAVEEN D
9.69 CGPA



ARNESH S
9.25 CGPA



HARIHARAN V
9.25 CGPA

CO / EXTRA- CURRICULAR ACTIVITIES

(i) Participation in various events

- Third year students K. Naresh, S. Nivetha presented paper Trends and Innovation in Food Technology at Kongu Engineering College, Erode on 19.03.2022.
- Third year students D. Praveen & B. Dilip Kumar attended Webinar on ‘National Intellectual Property Awareness Mission’ at Velalar College of Engineering and Technology on 15.03.2022.
- N. Arunachalam, Third year student attended Course on ‘JAVA SCRIPT’ at Velalar College of Engineering and Technology on 25.03.2022.
- 15 students attended online webinars and workshops conducted by various institutions.

(ii) Academic Results

| Odd Semester 2021-22 Pass % | |
|-----------------------------|--------------|
| Final Year (Batch 2018-22) | 96.85 |
| Third Year (Batch 2019-23) | 72.15 |
| Second Year (Batch 2020-24) | 72.34 |
| Total | 80.44 |

(iii) Industrial Visit

- 68 students of Third Year B.E. Mech have undergone an Industrial Visit to M/s. Armstech Engineering Pvt. Ltd, Cochin on 30.04.2022.

(iv) Inplant Training

- 2 students underwent Inplant training to Mettur Thermal Power Station, Mettur & SR Engineering Erode.

(v) Placement Activities

- 32 Final year students got placed in M/s. Leewon Precision, Chennai.
- 3 Final year students got placed in M/s. VPG Sensors.
- 48 Final year students got placed in M/s. Delphi TVS.
- 6 Final year students got placed in M/s. URC Constructions.
- 5 Final year students got placed in M/s. Focus Edumatics, Chennai.
- 3 Final year students got placed in M/s. Infosys, Mysore.

(vi) Placement Statistics

- No. of Eligible Students: 74
- No. of Students Placed: 66
- % of Placement: 90%

FACULTY ACHIEVEMENTS

(i) Programme attended by Faculty members

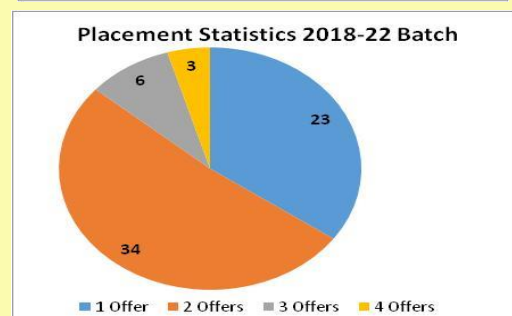
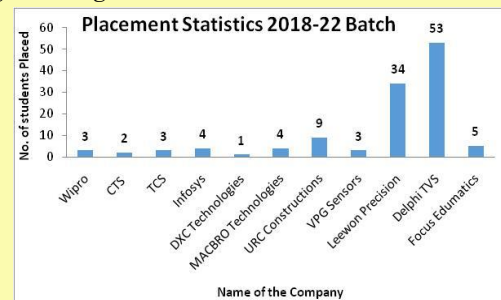
| Name of the Programme | No. of Events |
|-----------------------|---------------|
| FDP | 07 |
| Webinar | 07 |
| STTP | 01 |
| Total | 15 |

(ii) Papers Presented in International Conferences

- **S. Arun Kumar, A. Manojkumar & V. Mohan Kumar** presented a paper “Study on tribological behavior of AA7075/(Si3N4/TiC) hybrid reinforced metal matrix composite” in AICTE sponsored National Conference on Challenges and Innovations in 3D printing of Composite Materials at M.P.Nachimuthu M.Jaganathan Engineering College, Chennimalai on 28.01.2022 & 29.01.2022.
- **E. Ajaikumar** presented a paper “Optimization of Machining Fixture Layout by Considering Two Dimensional Workpiece Fixture Contact Regions” in International Conference on Advanced Computing & Communication Systems-ICACCS 2022 at Sri Eshwar College of Engineering, Coimbatore on 25.03.2022 & 26.03.2022.

(iii) NPTEL Course Completion

- **Dr.R.Prakash, K.Ramakrishnan, M.Gopi, T.C.R.Dinesh, S.Arunkumar, E.Ajaikumar, L.Arulshankar, A.T.Navin Prasad** successfully completed the NPTEL Course on NBA-Accreditation and Teaching-Learning in Engineering (NATE) on Jan-Mar 2022.



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

Associate Editor: Dr. R. Prakash, AP / Mech

Student Editors: S. Robin, IV Year / Mech & K. Karthik Raj, III Year / Mech