



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Accredited by NAAC with 'A+' Grade & Accredited by NBA

Thindal, Erode – 638 012

Newsletter

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MESSAGE FROM THE PRINCIPAL

It is a great pleasure and pride that VCET is providing an excellent quality of education and mentoring to the students, to make them aspiring to be competent professionals in the field of technology. The faculty members of our institution hold a much diversified vision of turning the dreams of our students into a concrete reality. I foresee a great opportunity for the students of VCET, who can grab any opportunity of taking competitive advantage of the faculty members who are not only specialized in their respective fields but also have immense exposure to training and research. The holistic approach of the institution stimulates innovation among students by inspiring fresh blossomed ideas with different perceptiveness, creative thinking and strong conviction to achieve true success and make their lives worth living. Hackathon will challenge the innovation and problem solving skills of the students. Our students once again proved their problem solving skills and innovative skills in Smart India Hackathon 2022. I extend my best wishes to my team of well qualified staff members, who will train our beloved students in all aspects and transform them into responsible citizens, who will deliver acquired knowledge to the needs of the community globally and at the same time bring glory to our institution and nation.



DEPARTMENT OF BIOMEDICAL ENGINEERING

Association Activities

The association of BME in collaboration with IEEE & EMBS Student branch organized a Hands on Training on 'Design Based Sensors for Medical Device' on 29.07.2022 & 30.07.2022. Mr. R. Praveen, Technical Lead, SAN Innovations, Erode, handled the sessions.

The association also in collaboration with IEEE & EMBS Student branch organized a Guest Lecture on 12.08.22. Dr. Dharmasa, IEEE Senior Member Program Manager, Department of Electrical and Computer Engineering, National University, Oman, gave a talk on 'Energy and It's Cost Benefits Analysis to be a Best Entrepreneur'.

The inaugural function of the association of BME-BIONIKX for the academic year 2022-2023 was conducted on 12.09.2022. Mr.S.Rajan Singh, Senior Quality Manager, Danaher Corporation, Bangalore, was the Chief Guest and he delivered the lectured on the topic 'BME- More important than ever'.

The association of BME-BIONIKX organized an intra-department paper presentation - Ideathon and Non-technical events on 28.09.2022. 50 students participated in the event and the following students won the prizes:

S.No.	Name of the Participant	Name of the paper	Prizes
1	FARTHIMA FARHANAS	DETERMINATION OF SPO2 AND HEARTRATE USING SMARTPHONES	I
	KEERTHANA C		
	ARAM VALAR RADHA S		
2	ANNAPOORANI K	ADVANCED SMART WALKING STICK	II
	MANIMEGALA E		
	ABINEYAK		
3	KAVIYA S	TELEMEDICINE APPLICATIONS IN OBSTETRIC AND GYNACOLOGY	III
	KEERTHANA T		
	LOGESHWARIM		

The association of BME-BIONIKX organized an inter-department paper presentation on the topic 'Tech Gen 2k22' on 28.09.2022. Totally 20 teams participated in this event and the winners are Mithilesh M & Manojkumar P S (1st prize), Sudarshan R & Saravanan G (2nd prize), Dhanushya J & Aswathi G (3rd prize).

17th Graduation Day and Alumni Induction program was held on 18.09.2022. Seven students from BME have secured ranks.

Hands on Training on 'Design and Development of Medical Devices' was conducted on 15.9.2022 for the final year students. Mr. M. Parthiban, Caliber Embedded Technologies, Salem, handled the sessions.

In association with Entrepreneurship Development Cell, the Department of BME organized a workshop on 'Design Thinking' on 28.9.2022. Dr.M.Jayaram, Principal, VCET was the resource person.

In association with Institutes Innovation Cell & Entrepreneurship Development Cell, the Department of BME organized a workshop on 'Entrepreneurship and Innovation as a Career Opportunity' on 30.9.2022. Mr.Vasanth Victor, Managing Director, Anchor Meditronics, Salem, was the resource person.

STUDENTS PARTICIPATION

Smart India Hackathon

The Smart India Hackathon is a nation-wide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. Around 5 teams (ASTROS, WORKAHOLIC SPARKS, Enthusiastic Engineers, AKATSUKI and WARRIORS) from the Department of BME participated in Smart India Hackathon 2022. The following students brought laurels to the institution:

Name of the Student	Class	Title	Prize
Supriya A Riswanth S Nivash T R Yeswanth B Vishnu M K Mumritha.C	IV BME	Wearable sensors For Sports Biomechanics Application	Rs. 1 Lakh



PLACEMENT ACTIVITIES

- Dilip D and Suba Shree P got placed in ZifoRnD Solutions
- Riswanth S, Supriya A and Yeswanth B got placed in Cognizant Technology Solutions
- Final year students underwent Hospital Training on 02.09.2022 at Lotus Hospital, Erode.
- 105 third year students underwent Inplant training at M/s. Cyrix Healthcare Pvt. Ltd., Ernakulam, Kerala, on 03.09.2022.
- 30 final year students attended internships at various hospitals for 10 days.
- Madhumitha Y (IV BME) attended MAS E-TECH Symposium on Ideathon organized by IEEE Madras Section and IEEE Madras Section Student Activities Committee on 04.07.2022.
- Nazeeha M S and Arsha V (IV BME) attended National Conference on 'Management and Ensuring Safety of Medical Devices' at NIMHANS Convention Centre, Bangalore, on 09.07.2022.
- Final year students attended Hands on Training on 'Design and Development of Medical Devices at Velalar College of Engineering And Technology, Erode on 15.09.2022.
- Final year students attended Hands on Training on 'Arduino Test' at Velalar College of Engineering And Technology, Erode on 15.09.2022.

MoUs

Signed a Memorandum of Understanding with M/s.Cyrix Healthcare Pvt. Ltd., Ernakulam, Kerala on 23.08.2022 as continuous.

DEPARTMENT OF CIVIL ENGINEERING

Association Activities

Inaugural Function

The Renowned Association of Civil Engineers, RACE was inaugurated on 02.09.2022 for the current academic year. Er. K.S. Sarathkumar, Managing Director, M/s Sri Velvaa Pavers, Erode, was the chief guest and he delivered a special lecture on 'State of Art techniques – Construction Materials and Methods'.



Guest Lecture

A guest lecture on the topic 'Creating Entrepreneurship – Building Information Modeling (BIM)' was conducted on 17.08.2022. Er. R.Udayasankar, Managing Director, M/s BTR Construction, Erode was the chief guest and he also shared his knowledge and experiences in the field.



PLACEMENT ACTIVITIES

Final year student Viveka P T got placement in M/s Cognizant Technology Solutions (CTS) and Deepika S got placed in M/s Milekal Engineering Pvt Ltd, Chennai.

Students Activities

Third year students Abishek M, Arunramanana V, Guna T and Arun Kumar A participated in Innovators Day 2022 (A national level Project contest) conducted by Sri Manakula Vinayagar Engineering College, Puducherry on 15.09.2022.

Technical Visit

Second year students and third year students have gone for a technical visit to the proposed constructions at M/s Velalar College of Pharmacy and M/s Velalar College of Physiotherapy, Thindal, Erode.



Industrial Visit

Third year students underwent an industrial visit to the V.O. Chidambaranar Port, and Tuticorin Airport, Thoothukudi, Tamil Nadu, on 09.09.2022. The students gained practical knowledge from the port structures and its layout.



Placement Training Programme

Special training programmes were conducted for the final year students from 25.07.2022 to 29.07.2022. The resource persons for the technical sessions were Dr.M.Jayaraman, Dr.E.Ravi. Dr.C.Karthik, Dr.D.Sakthivel, Ms. A. Anitha, Mr. S. Suresh, Mr.S.C.Sarath Kumar, Mr.C.Pranesh, Mr.S.Ramesh Kumar and Ms.D.Dharani.



The resource persons for personality development sessions were Dr.T.Vetrivel, Dr.D.Muthukrishnaveni, Mr.N.Balachandran, Dr.S.Kumar, Dr.S.Hemalatha and Ms.A.Prema.

Spoken Tutorial

FOSS Training programme was conducted for the final year students in QGIS (Quantum Geographic Information System). Five students cleared the online test conducted on 18.08.2022 and received the certificates.

For the third year students, training programme on SCILAB (Scientific Laboratory) was conducted. 27 students cleared the online test conducted on 20.08.2022 and received their certificates. Course material was provided by the spoken tutorial project, IIT, Bombay.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Association Activities

Inaugural function of CSE association was conducted on 02.09.2022. Function was honored by Mr.J.M.Gokul Raja, CEO, MACS Infosolution India Private Limited, Erode.



Mr.Rohit Velu, Principal Performance Test Engineer, The Depository Trust & Clearing Corporation (DTCC), Chennai, delivered a Motivational Talk on 'How to be Work Ready' on 09.09.2022 for the third year CSE students.



PLACEMENT ACTIVITIES

- 12 students got placement in CTS, with a package of 3.5 LPA.
- 07 students got placement in Zuci Systems, with a package 3.5 LPA.
- 04 students got placement in Aspire Systems, with a package 3.6 LPA.
- 03 students got placement in Sopra Steria, with a package 6.0 LPA.
- 02 students got placement in Vuram Technologies, with a package 5.00 LPA.
- 02 students got placement in Hexaware Technologies, with a package 4.00 LPA.
- 01 student got placement in LogBase, with a package 4.5 LPA.

Training Activities

34 students successfully completed the Wipro-TalentNext Course (Digital Skills Readiness Program) on Java J2EE, during the period May to September 2022.



81 final year students attended Wipro Company specific training, conducted by New Leaf Learning Solutions, from 20.09.2022 to 24.09.2022.

- 100 final year students attended CTS-Company specific training, conducted by Focus Academy for Career Enhancement (FACE) from 26.07.2022 to 02.08.2022.
- 102 final year students attended placement training, conducted by Focus Academy for Career Enhancement (FACE) from 06.07.2022 to 22.07.2022.
- Second year students participated in the Orientation program Conducted by Focus Academy for Career Enhancement (FACE) on 29.08.2022
- 79 final year students attended Virtual Campus recruitment drive by M/s Vinsinfo Pvt Ltd, Chennai on 10.09.2022 and 15 students got shortlisted for the next round.
- 55 final year students attended Virtual Campus recruitment drive by M/s Sopra Steria, Chennai on 11.09.2022 and Dhivya J, Haritha K and Swetha S got placed in it.
- 75 final year students attended on Campus recruitment drive by M/s Zuci Systems, Chennai, on 19.09.2022 and Jhanani K R got placement in it.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Seminar

- A seminar on 'Build your own Android App' was conducted on 06.08.2022 for the third year ECE students.
- A seminar on 'Embedded Real Time Application Development using PIC' was conducted on 13.08.2022 for the third year ECE students.
- A seminar on 'Communication in Industry 4.0 & Beyond' was conducted on 28.09.2022 for the final year ECE students.

Value Added Course

- A Value Added Course on 'Android App Development using Android Studio' was conducted from 19.09.2022 to 27.09.2022. 49 third year students of ECE took the course.
- A Value Added Course on 'Real Time Embedded Development using PIC Microcontroller' was conducted from 19.09.2022 to 27.09.2022. 55 third year ECE students took the course.

Hands on training

- Hands on training on 'RF Antenna Design using ANSYS HFSS' was conducted from 21.09.2022 to 22.09.2022 for faculty members and final year ECE students.

Association Activities

- Independence Day on was celebrated at Helping Hearts Trust, Gandhipuram and N.L. Karunai Illam, K.K Nagar. Staff members and students donated stationery items and grocery to the children on behalf of CENIREA association.
- Inaugural function of ECE student association - CENIREA & IETE student forum and special lecture on 'Recent Trends in Agricultural and Industrial Automation' was conducted on 07.09.2022 for all the ECE students.

PLACEMENT ACTIVITIES

- 123 students of final year ECE attended virtual placement training handled by FACE academy from 06.07.2022 to 22.07.2022.
- 68 students of final year ECE attended virtual campus drive by M/s ZifoRnD Solutions, Chennai on 08.07.2022 and 3 students got shortlisted for the final round.
- Bharanidharan S P, Dharageswari K, Durgadevi M, Sathanika M and Sindhu V B of final year ECE have got placement in Aspire systems, Chennai with a salary package of 3.60 LPA.
- 112 students of final year ECE attended CTS Company Specific virtual placement training handled by FACE academy from 26.07.2022 to 02.08.2022.
- 64 final year ECE students attended Virtual Campus recruitment drive by M/s Vuram Technologies, Chennai and Swetha S (19ECR143) got placed in it.
- 98 final year students attended Virtual Campus recruitment drive by M/s Cognizant (CTS), Chennai on 13 & 14 August, 2022 and Abishek B, Deepak S, Deepani P, Dhivyapriya M, Gokul V, Gokulavarshini S, Haritha K, Jagadeesh B K, Keerthana Priya S, Lokesh M, Malarvizhi B, Ramkumar D, Santhosh M, Sarathi P and Sasika M got placement.
- 98 final year students attended Virtual Campus recruitment drive by M/s TCS, Chennai and 23 students got shortlisted for the successive rounds.



- 94 students of final year ECE attended company specific virtual placement training for Wipro eligible students handled by New leaf learning Solutions, Karur from 20.09.2022 to 24.09.2022.
- 48 final year ECE students attended on campus recruitment drive by M/s Tech Mahindra, Chennai on 24.09.2022 and 6 students got shortlisted for the next round.

Students Activities

- Totally 190 students participated in various events organized in other institutions from July to September 2022 which includes 6 awards in paper presentation, 6 awards in project exhibition and 2 awards in other events.
- 101 Students attended workshops and seminars under various topics in various institutions.

ED Cell Activities

Through VCET-EDC and IIC, 12 teams in our department were selected and participated in the National Level Project contest at Sri Manakula Vinayagar Engineering College, Puducherry on 08.09.2022. One of the teams of the department secured the third prize.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Association Activities

- A Hands on Training on Power Electronics was conducted from 17.08.2022 to 18.08.2022. Mr.R.Praveen, Technical Lead, SAN Technovation, Perundurai was the trainer. Third year students benefited from this programme.
- Association Inaugural Function & Guest Lecture on 'Recent Trends in Smart Grid' was conducted on 15.09.2022. Mr.P.Vasudevan, Executive Engineer / Operation & Maintenance, TANGEDCO / Erode E.D.C, Perundurai was the resource person of this function. ECE students benefited from this programme.

Placement Activities

- Four students got placement in CTS.
- One student got placement in ZIFO.

NPTEL

- The NPTEL online credential 'Introduction to Internet of Things' has been awarded to seven students from the Electrical and Electronics Engineering department.
- The NPTEL online credential 'Principles of Management' has been awarded to 23 students from the Electrical and Electronics Engineering department.
- The NPTEL online credential 'Product Design and Manufacturing' has been awarded to 4 students from the Electrical and Electronics Engineering department.
- The NPTEL online credential 'Sensors and Actuators', has been awarded to 1 student from the Electrical and Electronics Engineering department.

DEPARTMENT OF MECHANICAL ENGINEERING

Association Activities :

a. SAE Lecture Meeting

The Fabulous Association of Mechanical Engineers (FAME) organized a SAE Lecture Meeting on 'Hydrogen Mobility - A lot to be Explored' on 30.07.2022. Mr. Pradeep Chandrasekaran, Associate Director - Vehicle Engineering, OLA Electric Technologies Pvt Ltd., Bengaluru, delivered a lecture about hydrogen vehicles and recent automobile technologies. Students from SAEINDIA VCET Collegiate club had actively participated and got benefited.



b. Workshop

As a part of curriculum enrichment, a workshop on CAD/CAE/CFD Packages was organized on 05.08.2022 for the third & final year students. Mr. N. Sai Prasath, Manager – Products, and Mr. M. Arvind, Technical Specialist, SKILL-LYNC, Chennai, gave training on CAD/CAM/CFD softwares to the students.



c. Inaugural function and Guest Lecture

Fabulous Association of Mechanical Engineers (FAME) & SAEINDIA VCET Collegiate Club were inaugurated for the academic year 2022-2023 on 26.08.2022. Mr. K. Senthil Kumar, Manager - Customer Requirements (Vehicle Dynamics), Continental Automotive Components Pvt. Ltd., Bangalore, was the chief guest. He also delivered a special lecture on 'How to be a Successful Mechanical Engineer'. In his lecture, he explained about present day opportunities & scenario in the companies, and helped the students for paving their way for setting their goal.



d. Orientation Programme

An orientation programme was organized for the 2021-2025 batch students on 01.09.22, 05.09.22 & 12.09.2022 to introduce them the department culture, and create a kind of atmosphere that promotes ongoing student involvements. Dr. R. Kumaravelan, Professor & Head, Department of Mechanical Engineering delivered a special lecture on 'Introduction to Mechanical Engineering'.



e. Career Guidance and Motivational Training Programme

A motivational training programme was organized on 06.09.2022, 19.09.2022 & 20.09.2022 to the third year students. Resource person Mr. P. Anjesh Kumar, Communication and Soft Skill Specialist, Brainwave, Coimbatore, trained the students for placement and soft skills development. He motivated the students for their career growth and trained the students on improving communication skills.



f. Techno Fun event

In view of Engineers' Day Celebration, an intra-departmental Techno Fun event called 'Connexions' was organized on 15.09.2022 to the students for enhancing their technical knowledge. Students from second year mechanical engineering eagerly participated and got benefited.



g. Miniature Model Creation Event

As part of curriculum enrichment, an intra-department event called 'Miniature Model Competition' was organized on 28.09.2022. Second and third year students actively participated and got benefited.



Placement Activities:

- 17 final year students of batch 2019-23 attended campus recruitment drive by Vuram Technologies, Chennai and S. Navin Kumar got placement in it.
- 43 final year students of batch 2019-23 attended campus recruitment drive by Cognizant and M. Vinoth got placement in it.
- 28 final year students of batch 2019-23 attended campus recruitment drive by Zuci Systems, Chennai and C. Dharun Kumar got placed in it.

Students Activities:

- Third year students Abishakkumar V, Arnesh S, Pavithran M, Hariharan V, Pranesh Kumar A & Sri Mahalakshmi S exhibited a project titled 'Roker Bogie Stair Climbing' at Sri Manakula Vinayagar Engineering College, Puducherry on 15.09.2022.
- Third year students Giri Raj E & Manibharath A attended workshop a on 'Industrial IOT and Automation' at Sri Krishna College of Engineering and Technology, Coimbatore, on 15.09.2022.
- 25 students attended quiz and workshops conducted by various institutions.

DEPARTMENT OF MEDICAL ELECTRONICS

Vaccination Camp

Covid booster vaccination camp was organized in collaboration with Erode Municipality Corporation (Zone 3) on 30.07.2022 for VCET staff members and students. Around 500 members from our college got benefited from this camp.



An awareness programme on 'Basic Life Support and Common Emergencies' was conducted in collaboration with Erode District Orthopaedic Association on 04.08.2022 in view of National Bone and Joint Day for VCET staff members and students. In this programme, around 300 members participated and got benefited.

Orientation Programme

An orientation programme on 'Professional and Personal Grooming' was conducted for 2020-24 batch students on 18.08.2022. Mr. Dharani Govindharaj, Chief Executive Officer, Core Aptitude Training Institute shared his experience regarding interview and placement. He also suggested a few tricks in solving aptitude and logical reasoning. Around 50 students participated and benefited through this programme.

An orientation programme on 'Code of Conduct' was conducted for 2021-2025 batch students on 24.08.2022. Dr. V. Chandrasekaran, Professor and Head, Department of Medical Electronics elaborated regarding Curriculum, Rules and Regulations of the Department.

Teachers' Day was celebrated on 04.09.2022 (Saturday) in view of Teachers' Day 2022 (05.09.2022). Teachers' Day in India is celebrated every year on 5th September to commemorate the birth anniversary of Dr. Sarvepalli Radhakrishnan, a great teacher.



A seminar on 'Happy Periods and Healthy Uterus' was arranged for MDE girl students on 06.09.2022. Mr. S. Saikumar, Chief and Founder, gave valuable tips to maintain a personal hygiene and healthy lifestyle. Around 100 girl students and women faculty members participated and benefited through this programme.



Inaugural function

Students Association was inaugurated for the current academic year on 09.09.2022. The Chief Guest Mr. S. Deenadayalan, B.E., Manager-Customer Service, Siemens



Healthcare Private Limited, Coimbatore, gave a lecture on 'Dual Source And Photon Count Technology'. Around 150 participants got benefited from his lecture.

Med Modeling Contest was conducted for VCET students on 15.09.2022. Various department students presented their models based on Circulatory system, Integumentary system, Urinary System, Digestive System, etc., Around 20 teams with 45 students have participated in the event.

Students Activities

Jeevitha M has successfully completed the course IELTS Band 7 and completed Prep Course as taught by Keino Campbell, Esq. on Udemy on 07.07.2022.

5 students of final year MDE participated in the National level workshop on 'Digital Image Processing' using MATLAB organized by the Department of ECE and Avertz Teechnology in association with CHRIST in Karpagam College of Engineering and Technology, Coimbatore, on 15.09.2022.

Bharanika D and Akshara M of second year MDE participated and won the first prize in Med Modeling Contest in view of 'Engineers' Day Celebration' on 15.09.2022.

5 students participated in Project Exhibition organized by Manakula Vinayagar Engineering College, Pudhuchery on 15.09.2022.

DEPARTMENT OF INFORMATION TECHNOLOGY

Association Activities:

- The association inaugural function was conducted on 29.08.2022 for the benefit of all the students.



- A hands-on training on 'Python Database Programming' was conducted on 06.08.2022 for the benefit of the second year students.
- A workshop on 'Dynamic Programming in Java' was conducted on 20.08.2022 for the benefit of the third year students.
- A Discussion session on 'The Bank of Baroda – Hackathon 2022' was conducted on 07.09.2022 by the final year student volunteers for the benefit of second and third year students.
- A workshop on 'On-Premise Networking' was conducted on 12.09.2022 and 13.09.2022 for the benefit of the third year students.
- 'Techno Engineers Contest-2022' was conducted on 15.09.2022 for the benefit of all the students.
- A Hands-on training on 'Scenario based C Programming' was conducted on 17.09.2022 and 18.09.2022 for the benefit of the second year students.
- An orientation programme on 'Path to your Mission' was conducted on 23.09.2022 for the benefit of the second year students.



Placement Activities

- Logeshkumar B of final year got placement in Hexaware.
- Karunambika S B of final year got placement in Kaar Technologies.
- Karunambika S B, Hemamalini G, Devishree P of final year got placement in Sopra Steria.
- Elango K, Hanshanandhini C, Harini G, Abirami G, Mythili A S, Preethi B, Ranjani T, Sanggameswaran S, Shanmugaapriya S, Sowmiya S, Sridarshini D, Sumithra S, Tharshini K T, Vishalini B, Yamuna Mof final year got placement in CTS.
- Sathyajothi C of final year got placement in LogBase.
- Dharanya S of final year got placement in ZUCI Systems.

Students Activities

Workshop

- Merlin Jersie of third year attended an online workshop on 'Designing and Modelling of IoT, AI & ML Systems' conducted by AICTE, ATAL Academy, ARM education and STMicroelectronics from 01.08.2022 to 05.08.2022.

Course Completion

- Naveen Prasath R, Niranjana V K, Raksha P, Roshini B of second year attended an online webinar on 'Kickstart to Web Development' conducted by Karma Developers on 16.08.2022.

Quiz

- Harshini S, Josika K, Abishek J L, Pavithra K of second year attended a 'Quiz series on Physics' conducted by KPR Institute of Engineering and Technology on 14.07.2022.
- 29 students of second year IT attended a 'Quiz series on Physics' conducted by KPR Institute of Engineering and Technology on 07.09.2022.
- Keerthana M of third year IT attended 'Code Debugging-Java' conducted by Mahendra College of Engineering on 22.09.2022.
- Kaviya B, Kowshiga C of third year IT attended 'Quiz - C, Java' conducted by Mahendra College of Engineering on 22.09.2022.

Papers Presented

- Abishek J L, Mahadevan N of second year IT presented a paper on 'Ozone Protector or Polluter' conducted by Velalar College of Engineering and Technology on 06.04.2022.
- Vidhyashree A K, Srisudhan L of third year IT presented a paper on 'One Point Verification through Mobile Application' conducted by Nodal Centre on 25.08.2022.

Training

- Abishek J L of second year IT participated in the course training on 'Java Script' conducted by Linked In on 29.08.2022.

Non-Technical Events

- Nandhu T, Niranjana A R, Rimitha M, Midhunkumar K of second year IT participated in the Milkymist Erode Marathon on 11.09.2022.
- Mithilesh M of second year IT participated in 'Tech Zen' conducted by Velalar College of Engineering and Technology on 29.09.2022 and got the first prize.

DEPARTMENT OF MANAGEMENT STUDIES

INAGURAL FUNCTION

VELMA Association was inaugurated on 14.09.2022 and the association organized a Special Lecture on the topic "Four Disciplines of Execution (4DX)". SHRI. D. Venkateswaran, Managing Director, CD Techno Tex LLP & Chairman, Ulavan Producer Co. Ltd, Erode was the resource person.



ALUMNI INTERACTION

The association organized an alumni interaction on the topic, 'Industry Expectations from the Young Minds' on 30.09.2022. Mr.S.Sugaprasad was the resource person.



PLACEMENT TRAINING

The Placement and Training cell arranged a training programme on 'Employability Skills for MBA Students' from 19.09.22 to 23.09.22. The training was given by Mr Arun kumar Sangaran from Innovative HR & Training Services P. Ltd., Coimbatore.



The Placement and Training cell arranged an online training programme on 'Digital Marketing' for MBA students from 26.09.22 to 07.10.22. The training was given by Mr. D Shankar Dev, Managing Partner Digital Era Academy, Bangalore.



DEPARTMENT OF MATHEMATICS

Seminar

Department of CSE, IT and S&H jointly organized a Seminar on 'Statistical Methods for Machine Learning' on 29.07.2022. Prof.P.Murugesan, Founder & CEO, Tulsi Consultancy Services, Chennai delivered a special lecture.



CLUB ACTIVITIES

GREEN CLUB

Green club of VCET conducted a Sapling Plantation Programme at Velalar College of Engineering and Technology on 15.07.2022 in connection with NAAC Peer Team Visit. NAAC Peer Team members, Thiru. S.D. Chandrasekar, Secretary and Correspondent, Dr. M. Jayaraman, Principal, Prof. P. Jayachandar, Dean, Heads of various Departments, Green Club Office Bearers and Mr. R. Balasubramanian, Green Club coordinator also participated in this event.



Green club of VCET conducted an awareness programme on 'Importance of Paper' along with Seshasayee Paper Boards at Velalar College of Engineering and Technology on 01.08.2022 in connection with World Paper Day. Dr. K. Rajkumar, Chief Manager - Environment, Seshasayee Paper Boards presented the importance of paper. Dr. M. Jayaraman, Principal, Dr. K.R. Valluvan, COE, Prof. P. Jayachandar, Dean, Dr. M.Eswaramurthi, HOD / S&H, Green Club volunteers along with around 300 students and Mr. R. Balasubramanian, Green Club coordinator also participated in this programme.



YOUTH RED CROSS

Vaccination Camp

Youth Red Cross of Velalar College of Engineering and Technology conducted COVID'19 Vaccination camp in collaboration with Erode Corporation in our college on 22.07.2022 for students and staff members of our college. 200 students and staff members got vaccinated.



Pledge against Drug Abuse

As per instruction from the Higher Education Department, Government of Tamil Nadu, Youth Red Cross of Velalar College of Engineering and Technology



organised an awareness program on drug abuse on 11.08.2022. Pledge was taken at 11.30 am in our college campus. Principal, Dean, Controller of Examination, HoDs, faculty members, non-teaching members and students took the pledge.

Drug Abuse Campaign

As per instruction from the Higher Education Department, Government of Tamil Nadu, drug abuse awareness campaign was conducted in our college campus for the benefit of our college students by Youth Red Cross volunteers on 22.08.2022. This campaign includes reasons for drug addiction, impacts of drug usage in our body, mind, family and society, rehabilitation, etc.



ENTREPRENEURSHIP DEVELOPMENT CELL

Impact Lecture Series Session II

The Entrepreneurship Development Cell of VCET organized IIC 4.0 Impact Lecture Series Session II on 27.7.2022 through Google Meet. It was sponsored by MoE's Innovation Cell. The session had two lectures. The Lecture 1 titled 'Innovation-A path way to IP' was started at 10.30 a.m. and honoured by Dr. Balaji Devarajan, Head, Centre for IPR, KPR Institute of Engineering and Technology, Coimbatore.



The Lecture 2 titled 'Innovation in Small Businesses' was started at 2:00 p.m. This session was handled by Mr.A.S.Santhosh, CEO, Yaakhai Healthcare Pvt Ltd., Chennai.



EDC/IIC INAUGURATION

Institution's Innovation Council and Entrepreneurship Development Cell have inaugurated their activities for the academic year 2022-23 on 16.9.2022. Thiru. Narayanan Arunachalam, Chief People Officer, DMW Group of Companies was the chief guest.



Workshop

EDC organized a workshop on 'Design Thinking, Critical Thinking and Innovation Design' on 28.9.2022. Dr. M. Jayaraman, Professor, Department of Mechanical Engineering, Principal, was the resource person.



Workshop

EDC organized a workshop on 'Entrepreneurship and Innovation as Career Opportunity' on 30.9.2022. Mr. A. Vasanth Victor, Managing Director, Anchor Meditronics was the resource person.



FINE ARTS CLUB

Fine Arts Club conducted various competitions in view of 75 years of Independence - AZADI KAAMRIT MAHOTSAV.

Tamil Elocution competition on 06.08.2022

English Elocution competition on 10.08.2022

Pencil drawing competition on 05.08.2022

Prize Distribution on Independence Day 15.08.2022



The Fine Arts Club and the STE Staff and Students' Chapter celebrated Teachers' Day and Engineers' Day on 21.09.2022.

Teachers, Engineers and Smart India Hackathon Students were honored by Thiru.S.D.Chandrasekar, Secretary and Correspondent, VCET.

Donation of Food

ROTARACT CLUB

On 01.07.2022, VCET Rotaractors provided a substantial dinner to those in need in and around Periyamariamman Kovil, Erode, in an effort to abolish poverty and hunger.



Thanks Giving Event For Gift Of Heart

'Thanks Giving' event was conducted at Rotary CD hall on 03.07.2022. Rotary Club of Erode appreciated the Rotractors of VCET by providing certificates and awards for the successful conduct of Free Heart Check up and surgery camp 'Gift of Heart' at the Kaligarayan Hospital on 12.06.2022.



Board Meeting

Board meeting at L-Block, Seminar Hall for the Office Bearers of the year 2022-2023 on 08.07.2022



Birth Anniversary of Karmaveerar Kamarajar

Birth Anniversary of Karmaveerar Kamarajar as 'Kalvi Valarchi Naal' was celebrated at L-Block on 15.07.2022 at 9:00 am by paying tribute to the great Indian patriot by offering flowers. Rtr.U K Shobbiga, Editor, delivered a short speech about Kamarajar.



Planting of Saplings

The Rotaract Club of VCET along with NGOs Manbumigu Marangal, Manitham Pasumai Iyakkam and Uthira Uravugal Rathathana Kulu organized a tree plantation drive at Perumal Malai on 24.07.2022.



Teach What You Know

An event 'Teach What You Know' was conducted on 19.08.2022 through Google form in order to promote the knowledge of teaching grandparents to put signature.



Kadhai Ketpoma-Part 4

Moral Story Telling event 'Kadhai Ketpoma' was organized and uploaded the video in YouTube on 29.07.2022 at 6.00 pm. More than 900 views and 500 likes were gained for this event. Rtr. B. Nivetha, Cultural Event Chairman, RC VCET served in this event as an Event Chair



VENTURE

An event 'Venture' was handled by Rtr. P. P. Manikandan Rangasamy, Trainer, R. I. District 3203 through Google Meet on 29.07.2022 at 7.00 pm and he explained about district training workshop.



Plastic Awareness Cycle Rally

'Cycle Rally' was conducted on 31.07.2022 to create awareness about plastic usage and traffic rules to the public.



Plantation of Saplings

'Mega Tree Plantation' at Government Erode Medical College, Perundurai, was conducted on 31.07.2022



Rotaract Logo Launch

'Logo and Theme' for the Rota year 2022 - 2023 was released on 05.08.2022 through Google Meet.



Food Safety Awareness Walkathon

'Food Safety Awareness - Walkathon' was conducted on 06.08.2022 from Thindal to District Collector Office, Erode. The event had around 150 participants, and it raised awareness among the general public on the consumption of nutritious meals and the avoidance of junk food.



Catchyphrase

A slogan writing competition to create awareness on drugs addiction was held via Google Forms on 13.08.2022. There were around 100 entries for this contest. The contest theme is 'Say Yes to Life, No to Drugs, and Chase your Dreams'.



Independence Day Celebration

'75th Independence Day' was celebrated by VCET Rotaractors at Panchayat Union Elementary School, Thindal on 15.08.2022. More than 200 students took part in the competitions on various topics and were applauded with gifts including books and awards.



Inter District Youth Exchange Programme

Rtr. IPP. Raviselva. T, Immediate Past President and Club Advisor, participated in IDYE at Navi Mumbai from 01.09.2022 to 04.09.2022. In this programme, he exchanged the program intended to develop the Rotaract understanding and brotherhood among districts and making a pan India network.



Healthy Food For Healthy Nation

In view of 1st day of National Nutrition Week celebration an event 'Healthy Food for Healthy Nation' was conducted and the video was uploaded in YouTube on 01.09.2022. More than 350 views and 100 likes were received for this event.

Quiz on Good Food for Good Life

An event 'Quiz on Good Food for Good Life' was conducted through Google Forms on 02.09.2022.

Webinar on Food and Nutrition

A webinar on 'Food and Nutrition' was conducted through Google Meet on 03.09.2022. The Keynote Speaker, Dr. P. R. Janci Rani, Assistant Professor, Food Nutrition

and Health Education Centre, Amirta Vishwa Vidya Peetham, Coimbatore, delivered a special speech about the importance of Nutrition and Health for a healthy lifestyle.

Cookery Competition on Savour the Flavour

Cookery Competition on 'Savour the Flavour' through Google Forms was conducted on 04.09.2022

Survey on How Healthy You Are

A survey on 'How Healthy We Are?' was conducted through Google Forms on 05.09.2022

Share Your Meal Plan

An event 'Share Your Meal Plan' through Google Forms was conducted on 06.09.2022 on behalf of 6th day of National Nutrition Week celebration.

Nutrition Awareness Seminar on Get Your Health on

A seminar 'Get Your Health On' for the students of Panchayat Union Elementary School at Thindal was conducted on 07.09.2022. 10 Rotaractors created awareness on the necessity of a healthy life and nutritious and balanced diet in everyday life.

Literacy Day Celebration

Literacy Day at Panchayat Union Elementary School, Thindal was celebrated on 07.09.2022 and VCET Rotaractors donated books to the school students which will be useful to improve their reading skill for their future studies.

Release of Literacy Awareness Video

A video on 'Literacy Awareness' was released in YouTube on 10.09.2022. More than 347 views and 300 likes were received for the video.

Erode Marathon for Healthy Life

The Rotaract club of VCET, Milky Mist and ZOHO jointly organized 'Erode Marathon' on 11.09.2022. In this marathon, 1300 participants participated. Awareness was created on healthy life to the people in our surroundings. All the participants were appreciated with certificates and medals.

Essay Writing Competition on Role Model for Engineers

Essay writing competition on 'Role Model for Engineers' was conducted on 15.09.2022 on the occasion of World Engineers' Day celebration. E-certificates have been provided to all the participants. Rtr. K.Tamilrasi, Fun and Fund Raising Chairman, RC VCET served as an Event Chair.

Release of World Engineers' Day Video

A video on Engineers' Day in YouTube was released on 15.09.2022. More than 500 views and 256 likes were received for the video.

Celebration of World Ozone Day

An event on Global Warming through Google Forms was conducted on 16-09-2022 to highlight the importance of ozone.

International Day of Peace

An event for International Day of Peace was conducted through Google Forms on 21.09.2022. The theme for the event is 'End Racism, Build Peace'. 'A Smile Marks the Starting of Peace', 'Keep Smiling and Keep Spreading Peace Around', 'Stop Building Walls and Start Creating Bridges' are some of the slogans got on the event.

Blood Donation Camp

RC VCET along with Rotary Club of Thindal, JCI Erode Green City, Lions Club Erode Supreme Charitable Trust Blood Bank and Tamil Nadu Voluntary Blood Bank and Research Centre organised a Blood Donation Drive on 27.09.2022. About 170 donors donated their valuable blood to save lives.

World Heart Day Celebration - Words of Heart

The Rotaract Club of VCET released a heart awareness video on Words of Heart by Dr. P. Ranganathan in YouTube on 29.09.2022. In the video, the doctor explained the various problems of hearts and its remedies to create awareness among the public. More than 400 views and 200 likes received for the video.



CONFERENCE / WORKSHOP / SEMINAR / FDP PROGRAMS ATTENDED BY FACULTY

- Forty one programmes were attended by faculty members in the department of Biomedical Engineering
- Two programmes were attended by faculty members in the department of Civil Engineering
- Thirty five programmes were attended by faculty members in the department of Computer Science and Engineering
- Eleven programmes were attended by faculty members in the department of Electronics and Communication Engineering
- Five programmes were attended by faculty members in the department of Electrical and Electronics Engineering
- Fourteen programmes were attended by faculty members in the department of Mechanical Engineering
- One programme was attended by faculty members in the department of Medical Electronics
- Thirty programmes were attended by faculty members in the department of Information Technology
- Four programmes were attended by faculty members in the department of MBA
- Eight programmes were attended by faculty members in the department of Mathematics.
- Five programmes were attended by faculty members in the department of Physics.
- Two programmes were attended by faculty members in the department of Chemistry.

LECTURES / KEY NOTE ADDRESS / PAPERS PRESENTED / ATTENDED / NPTEL BY FACULTY

Department of Bio Medical Engineering

NPTEL

Dr.N.Jeyashanthi has successfully completed the NPTEL online certification (8 weeks) course funded by the Ministry of HRD, Govt. of India, conducted by IIT, Madras on the title 'Introduction to Biostatistics' with Elite Certification.

Dr.P.Ravikumar has successfully completed the NPTEL online certification (8 weeks) course funded by the ministry of HRD, Govt. of India, conducted by IIT, Madras on the title 'Introduction to Biostatistics' with Elite+Silver Certification.

Department of Computer Science and Engineering

Resource person

Dr.S.Kayalvili acted as the session chair on 29.07.2022 in the 2022 Second Global Conference on Recent Developments in Computer and Communication Technologies (GC-RDCT 2022) held at A.J. Institute of Engineering & Technology, Karnataka, on 28.07.2022 and 29.09.2022.

Department of Electronics and Communication Engineering

Lecture / Key note Address Delivered

Mr.P.Senthil Kumar organized a Two day IETE Sponsored Hands on Training 'RF Antenna Design using ANSYS HFSS' at VCET from 21.09.2022 to 22.09.2022.

Ms.T. Sathya acted as Session Chairperson for Training Program 'Outcome Based Education- PO CO Mapping through PI & Competency' conducted by VCET on 04.08.2022.

Department of Mechanical Engineering

Conference:

- Mr. G. Raja presented a paper titled 'Design and Fabrication of Passive Safety Devices for Heavy Vehicles to Prevent Human Accidents using AI' in the First Virtual International Conference on Fuel, Energy and Environment – ICREE 2022 organized by Kongu Engineering College, Perundurai, on 09.06.2022 & 10.06.2022.

Lecture / Key note Address Delivered

- Dr. R. Kumaravelan delivered a special lecture in the FDP on "Design of Machine Elements" conducted by SNS College of Technology, Coimbatore on 17.08.2022.

Department of Management Studies

Paper Presented:

- Dr.T.Vetrivel presented a paper on the title "Innovations in Entrepreneurship" in the National Conference on Dimensions of Social Entrepreneurship organized by VET Institute of Arts and Science College, Erode on 18.07.2022.

Department of Physics

Conference

Dr.Deepa Jananakumar, Dr.S.Devi and G.Praveenkumar participated in the International Conference on Crystal Growth and Spectroscopy held during 29.08.2022 to 31.08.2022 organized by the Department of Physics, St.Joseph's College, Trichy.

Department of English

Mrs.V. Suguna has successfully completed the NPTEL online certification (12 weeks) course funded by the Ministry of HRD, Govt. of India, conducted by IIT, Roorkee on the title 'Partition of India in Print Media and Cinema' with Elite Certification.

JOURNAL PUBLICATIONS BY THE FACULTY MEMBERS

Department of Computer Science and Engineering

• Dr.S.Jabeen Begum published a paper on 'Segmentation and Classification of Alzheimer's Using RCNN' in International Journal of Research in Engineering and Science (IJRES), ISSN (Online): 2320-9364, ISSN (Print): 2320-9356, Volume 10 Issue 5, pp. 07-10, May 2022.

• Dr.S.Jabeen Begum published a paper on 'Developing an Integrated Model for Heart Disease Diagnosis (IM-HDD) Using Ensemble Classification Methods', in the Journal of Intelligent & Fuzzy Systems, Vol. 43, no. 4, pp. 4161 – 4171, 2022.

• Dr.S.Jabeen Begum published a paper on 'Evolutionary Algorithm Based Adaptive Load Balancing (EA-ALB) in Cloud Computing Framework', in Intelligent Automation and Soft Computing, Vol. 34, No. 2, PP. 1281- 1294, 2022

• Dr.S.Sadash and Dr.S.Gokulraj published a paper on 'Microbial Data Prediction and Enhanced ELM Model with Energy Efficient Data Aggregation Technique for Delay Prediction' in Neuro Quantology, doi: 10.14704/nq.2022.20.6.NQ22716, Volume 20, Issue 6, pp 7112-7128, June 2022.

Department of Electrical and Electronics Engineering

• Dr.P.Sakthivel, published a paper on 'Prediction of Factors for Controlling of Green House Farming with Fuzzy based multiclass Support Vector Machine', Alexandria Engineering Journal, ISSN 1110-0168, Vol.62, pp.279-289, published online on July 2022.

• Dr.K.Vanchinathan, published a paper on 'Testing and Performance Evaluation of Water Pump Irrigation System using Voltage-lift Multilevel Inverter', in International Journal of ambient energy, ISSN 2162-8246, pp1-14, published online on July.2022.

Department of Management Studies

• Dr.T.Vetrivel, "A Study on Customers' Perspective on Opportunities and Challenges of E-Commerce in India", International Journal of Economics Finance and Management Sciences, Vol.10, Issue No.4, pp 229-236, August'2022.

Department of Physics

• Aruna Christy.T, Dr.Thangaraj N 'Synthesis and Characterisation of Co-Fe-W-P Thin Films Electrodeposited Under Phosphorous Acid and Urea Electrolyte Solution', PERIODICO di MINERALOGIA, Vol 91, No.4, pp 968-984, 2022.

• Ranjitha S, Valsakumari M.K, Vasantharaj A, Rajeev Shrivastava, Swaminathan S 'Optical Properties of Natural Dye Sensitizers for the Applications of Dye Sensitized Solar Cell ,Vol.5,No.1,2022.

BOOK PUBLICATIONS

Department of Biomedical Engineering

Dr.N.Jeyashanthi, 'Textbook on Pathology and Microbiology' published by EvincepubPublishing, ISBN 9789354468308,2022.

Ms.S.Sudha, K.B.Jayanthi, 'Chapter 1- Clinical Decision Support Systems: Benefits, Potential Challenges and Applications in Pneumothorax Segmentation, Computational Intelligence in Healthcare Applications', in Academic Press, 2022, Pages 1-12, ISBN 9780323990318, <http://doi.org/10.1016/B978-0-323-99031-800009-0>.

Department of Computer Science and Engineering

• M. Mohanasundari and C.Kotteswari published a book chapter on 'Blockchain-based Systems for Modern Energy Grid', Chapter no.:02, Publisher: Elseveir Sep 2022.

Department of Electrical and Electronics Engineering

• Dr.K.Vanchinathan, 'An Experimental Investigation of Fuzzy-Based Voltage - Lift Multilevel Inverter Using Solar Photovoltaic Application' in Smart Grids and Green Energy Systems, ISBN 9781119872030, pp 59, 11 August 2022.

• Dr.K.Vanchinathan, 'Investigation of Super-lift Multilevel Inverter using Water Pump Irrigation System' in Smart Grids and Green Energy Systems, ISBN 9781119872030, pp 247, 11 August 2022.

RESEARCH ACTIVITIES

Patents:

Department of Computer Science and Engineering

• Dr. S. Jabeen Begum published a Patent on 'Design & Development of GSM Based Substation Monitoring & Control System' [Reg.No: 16.09.2022 & 202241050746 A]

Department of Mechanical Engineering

Patents:

• Dr. R. Kumaravelan published a patent titled "A System for Quality Monitoring and Management of Water in Stored Condition Thereof" on 22.07.2022.

• Dr. R. Prakash, Mr.A.T. Navin Prasad, Mr.K. Ramakrishnan and Mr.D. Senthikumar published a patent titled "Solar Power based Health Monitoring System for Rural People" on 16.09.2022.

Department of Management Studies

PATENT PUBLISHED:

• Dr.S.Kumar published a patent titled "Evaluation of Indian Stock Market and Investment Behavior of Women in India". (The Patent Office Journal No. 38/2022 dated 23/09/2022).

• Dr.K.T.Kalaiselvi published a patent titled "New Product Accounting Digital Technology for the Large Business Company Management System" (The Patent Office Journal No. 37/2022 dated 16/09/2022).

• Mr.N.Balachandran published a patent titled "Secure the Supply Chain Transaction in cargo Industry using Block Chain Technology" Application Number 202241035871, Filed Date 22/06/2022, Published Date 22/07/2022.

Department of Management Studies

Mr.N.Balachandran, Assistant Professor, Department of Management Studies has completed Doctoral Degree from Bharathiar University, Coimbatore during August 2022. His areas of interest are Marketing and HR. He has published various papers in national and international journals, published patents in Patent Journal and presented papers in various conferences.



GENERAL ENGINEERING

Dr.M.Govindarajan, Assistant Professor, Department of General Engineering has completed Doctoral Degree from Anna University, Chennai during June 2022. His areas of interest are Artificial Intelligence, Machine Learning, Mobile Computing and Data Mining. He has published many papers in National and International Journals.



AWARDS / RECOGNITIONS:

Department of Mechanical Engineering

• Dr. R. Prakash has been approved as a reviewer/technical committee member for ICEEICT 2023.

• Dr. R. Prakash has been appreciated for being the Programme Coordinator and for delivered a special lecture on the topic "Introduction, Advantages and Disadvantages of Welding Process, Welding Symbols, Materials" in the Welders Training Programme to the employees of Electric Loco Shed, Erode, during 01.09.2022 to 03.09.2022 and 13.09.2022 to 15.09.2022.

• Mr. D. Kesavan has been appreciated for a special lecture on the topic "Failure Analysis of Welded Joints in ANSYS and Special Welding Process" in the Welders Training Programme to the Employees of Electric Loco Shed, Erode, during 02.09.2022, 03.09.2022 & 14.09.2022.

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

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