



# VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

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

Thindal, Erode – 638 012

## Newsletter

### INTERNAL QUALITY ASSURANCE CELL (IQAC)

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#### MESSAGE FROM THE PRINCIPAL

I am immensely pleased to present to you another impressive record of our institution which has honed and fine tuned the skills of numerous young talents. Each student is groomed and nurtured to reach his/ her full potential, and we create hundreds success stories each year. With great pride and happiness, I would like to place on record that the main strength of our institution is its adaptability. Challenges were many, but we faced it with the help and guidance of the noble hearts who are with us through out in our journey of excellence. Over the past decade, we have strengthened our institution on various levels and each member of our team has contributed positively. Now, time has come to review all the work we have done for the past few years , and in the coming months we will scrutinize more so that we will be able to sustain the best practices and find out ways for improving it further. The pandemic couldn't stop our student centric activities and VCET moved ahead with all academic and co curricular activities which surely must have met the expectations of students and parents. I convey my best wishes to the faculty and students for a greater success in the forthcoming days.



#### DEPARTMENT OF BIOMEDICAL ENGINEERING

Association of BME- BIONIKX in association with IEEE SB, EMBS, BMESI student chapter organized a live workshop on 'Virtual Visit to Endoscopy Suit & Endoscopy- Preventive Maintenance and Trouble Shooting' on 17.09.2021. Dr. S. Easwaramoorthy MBBS, Lotus Hospital, Erode, Mr. Praveen Shankar, Officer - Field Service, Olympus Medical System India Private Limited, Chennai Were the resource persons.

#### DEPARTMENT OF CIVIL ENGINEERING

##### Association Activities

##### Intra Department meet :

An Intra department meet was organized by 'RACE' the student's association 'on 19.11.2021. All the students enthusiastically participated in the events like Paper Presentation, Technical Quiz and CaDD contest and prizes were awarded to the winners.

##### Students Activities

Umetha Sri R (III Year Civil) attended the student development programme on INDUSTRIAL SAFETY (Industrial Hazards and Risk, Risk Management principles, Industrial practices, Case studies from industry, Industrial regulations and career prospects), held virtually on 22.11.2021 and 23.11.2021 organised by PALS



##### Placement Training

24 final year students attended the technical training class held at VCET from 06.12.2021 to 16.12.2021.

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

##### Association Activities:

- A Webinar on 'Full Stack Development' was organized on 01.10.2021. The function was honored by Ms.N.Subharathna Technical Engineer and Trainer, LIVEWIRE, Erode.



- MAGNUMOPUS - Association of CSE conducted an Intra Department meet on 01.11.2021.
- A technical event 'TechToday' was organized on 04.12.2021. This event makes the second year students to understand better and to enhance their technical thinking.
- A seminar on 'A Grasp on Placement Preparation' was conducted on 17.12.2021. The function was honored by Mr.K.Sreeraam Executive member of MAGNUMOPUS.

- MAGNUMOPUS - Association of CSE conducted Non-Technical Events such as Vegetable/Fruit Carving , Handy Mandy and Ad-Up on 17.12.2021.

#### Placement Activities:

- 23 students got placed in “DXC TECHNOLOGIES”, Bengaluru, for the position of Associate Professional with a salary of 4.0 lakh per annum.
- 14 students got placed in “TATA CONSULTANCY SERVICES (TCS)”, Chennai, for the position of Assistant System Engineer-Trainee with a salary of 3.36 lakh per annum.
- 10 students got placed in “COGNIZANT TECHNOLOGY SOLUTIONS (CTS)”, Chennai, for the position of Programmer Analyst Trainee with a salary of 4.1 lakh per annum.
- 08 students got placed in “WIPRO TECHNOLOGIES”, Chennai, for the position of Project Engineer with a salary of 3.6 lakh per annum.
- 03 students got placed in “ASPIRE SYSTEMS” Chennai, for the position of Trainee with a salary of 3.60 lakh per annum.
- 02 students got placed in “KANINI SOFTWARE SOLUTIONS”, Chennai, for the position of Trainee Associate with a salary of 4.0 lakh per annum.
- 02 students got placed in “TECH MAHINDRA”, for the position of Associate Software Engineer with a salary of 3.25 lakh per annum.
- 02 students got placed in “ORION INNOVATIONS”, for the position of Associate Engineer with a salary of 3.50 lakh per annum.
- 01 student got placed in “CALIBRAINT TECHNOLOGIES”, Chennai, for the position of Associate Quality Assurance-Trainee with a salary of 2.75 lakh per annum.

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

##### Association Activities:

- An Intradepartment Non-Technical Competition - Mehandiri and Arts, Craft Design was organized on 02.11.2021 for second, third and final year ECE students.



##### Placement Activities

- Boopesh T, Jeevanantham R and Praveen Kumar C got placed in M/s Tech Mahindra.
- Gogula Varsini S, Gowsalya V, Jaishree V, Jesitha G, Nandagopal P, Pavithra S, Ragav Balaji R, Rajshree S, Ramya C, Ramya R, Rufin M, Sangamithra S, Saranya N M, Shrinidhi P R, Sirisha T, Sowmiya D (16/08/2001), Varsha K, Yuvanadevi C of final year have got placed in DXC Technology with a salary package of 4.01 LPA.
- 73 final year students attended a Virtual Campus recruitment drive conducted by M/s Mobiveil Technologies, Chennai and Shobika S got shortlisted for final round.

- 67 final year students attended a Virtual Campus recruitment drive conducted by M/s Aspire Systems, Chennai on 30.10.2021 and Naveenkumar V got placed.
- 67 final year students attended a Virtual Campus recruitment drive by M/s FACE Academy, Coimbatore.
- 67 final year students attended an Off Campus recruitment drive conducted by M/s Tringsapp, at Kongu Engineering College, Erode on 25.11.2021.
- 53 final year students have attended Off Campus recruitment drive conducted by -M/s Excelacom Technologies, Chennai at Nandha Engineering College, Erode on 27.11.2021.
- 65 final year students have attended Virtual Campus recruitment drive conducted by -M/s Aalams Info Solutions on 02.12.2021 and Varalakshmi C got shortlisted for final round.
- Arthi T, Bhavyadharshini K, Capistrano S, Geetha A, Jamuna T, Kavipriya S, Mahanisa R, Pavithra R, Rasika J, Shobika S, Vaishnavi M, Varalakshmi C, Vishnu Priyaa S N have got placed in M/s Cognizant.
- 67 final year students have attended a virtual campus recruitment drive conducted by -M/s Orion Innovation, Coimbatore on 04.12.2021 and Mohanraj V, Nanda Kumar A R, Naveen Kumar P, Praveen V, Sashvathan K I, Sivabalaji T K, Sudharson N, Suriya Dharshana D have got placed.
- 46 final year students of batch 2018-22 have attended a virtual campus recruitment drive conducted by -M/s Vaken Technologies, Chennai on 22.12.2021 and Arun Kumar has been shortlisted for final round.
- 46 final year students of batch 2018-22 have attended a virtual campus recruitment drive conducted by -M/s Capgemini, Chennai and 4 students have been shortlisted for final round.
- 46 final year students of batch 2018-22 have attended a virtual campus recruitment drive conducted by -M/s Blueconch Technologies, Chennai.
- 107 final year students of batch 2018-22 have attended a virtual campus recruitment drive conducted by -M/s Hexaware Technologies, Chennai on 14.09.2021 and Charles C , Navin S, Gokulavarshini S, Mohanavalli C V and Kiruthika S have been shortlisted for final round.
- Akshaya S B, Balaraman A, Charles G, Elakkiya G, Gayathri S B, Gokulakrishnan K A, Janarthanan A, Jesitha G, Kavin V, Kiruthika S, Rajshree S and Vidhya S have got placed in M/s TCS, Chennai.

##### Industrial Training Program Details

A- one week Value Added Course on '18ECV03 - PCB Design' was conducted from 27.09.2021 to 05.10.2021. 180 second year ECE Students attended this Value Added Course and got benefitted. The students designed Power Supply Circuits with general PCB and drawn the PCB layout using Orcad PSPICE



Value Added Course on PCB design

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Association Activities:

- Soft skills training was conducted on 'A Core Aptitude Training Institution', from 20.12.2021 to 30.12. 2021 for the third year students.

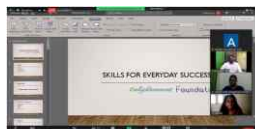
## DEPARTMENT OF INFORMATION TECHNOLOGY

### Association Activities:

- A Workshop on 'Basic graphic designing from scratch using canva' was conducted on 13.10.2021 for all the students.



Workshop on 'basic graphic designing'



Webinar

- A Webinar on 'Skills for Everyday Success' was conducted on 23.10.2021 for the benefit of second, third and final year students.

- Association Intra Departmental Meet was conducted on 09.11.2021 for the benefits of students and also to encourage the student technical activities.



- A Seminar on 'Campus to Corporate: Getting started with your technical skills' was conducted on 14.12.2021 and 15.12.2021 for the benefit of second, third and final year students.



- A Discussion Session on 'The power plan for your career success' was conducted on 21.12.2021 for the benefit of students final year students.



### Placement - Activities:

- Arunbalaji T, Dharrshini P, Jeevitha S, Krishnamoorthy S, Ranganathan K, Sabeela J P of final year got placed in Excelacom, Cognizant Technology Solutions.
- Arun P R, Bhalaganesh K M, Janaranjan E, Naveen S of final year got placed in TechMahendira.
- Bhalaganesh K M, Kamalesh K, Mahesh V, Vikashini B of final year got placed in Kanini.
- Jeevitha S of final year got placed in Orion.
- Mohamed Ilyas S, Monika M, Prasath D of Final year got placed in Aspire Systems.
- Velavan B of final year got placed in Aalam Info Solutions.

### Student activities:

#### Courses attended

- Dinesh V G, Madanika G K completed the course 'Introduction to Ethical Hacking' conducted by Great Learning Academy from 01.12.2021 to 31.12.2021
- Ashwanthiga G, Harish K, Logeswari S completed the course 'Fundamentals of Digital Marketing' conducted by Google Digital Garage from 04.12.2021 to 09.12.2021

#### Workshops attended:

- 11 students attended the workshop 'Basics of Graphic Designing from Scratch Using Canva' conducted by Velalar College of Engineering and Technology on 13.10.2021.

- Kamatchi E attended the workshop 'Introduction to Google Cloud Computing' conducted by Skill Lync on 20.11.2021.
- 27 students attended the workshop 'IoT Using Raspberry pi' conducted by Pantech E Learning from 03.12.2021 to 04.12.2021.

#### Webinar :

- 5 students from second and third year attended an online webinar series on 'Internet of Things MasterClass' conducted by Pantech E Learning from 19.09.2021 to 18.10.2021.
- 19 students of second and third year attended an online webinar on 'Skills for Everyday Success' conducted by Enlightenment Foundation on 23.10.2021.
- Madumitha S of second year attended an online webinar series on 'Machine Learning MasterClass' conducted by Pantech E Learning from 15.11.2021 to 14.12.2021.
- Ranjani T & Rizwana S of third year attended an online webinar on 'Quantum Computing' conducted by Bimtech Birla Institute on 27.11.2021
- 4 students from second year attended an online webinar series on 'Git, GitHub and Open Source' conducted by Government Engineering College on 04.12.2021.
- 23 students from second and third year attended an online webinar on 'Embedded System Basics and Applications' conducted by Meenakashi Ramaswamy Engineering College on 10.12.2021.
- Saranya M & Rizwana S of third year attended an online webinar on 'EV Design Master class' conducted by Pantech E Learning from 13.12.2021 to 17.12.2022
- Rizwana S of third year attended an online webinar on 'Master class on Python' conducted by Pantech E Learning from 20.12.2021 to 44.12.2021
- Ranjani T of third year attended an online webinar on 'Master class on Python' conducted by Pantech E Learning from 20.12.2021 to 44.12.2021

#### Training :

- 17 students of second year attended the Training 'C-Test' conducted by Spoken Tutorial on 09.10.2021.
- Renuka H & Shabeela J P of final year attended the Training 'LaTeX' conducted by Spoken Tutorial on 09.10.2021.
- Ranjani T, Rizwana S, VijayaPriya P of third year attended the Training 'Java' conducted by Spoken Tutorial on 09.10.2021.
- 19 students attended the Quiz series 'Electric Vehicles-XXVI' conducted by KPR Institute of Engineering and Technology on 20.11.2021.
- Poorani T& Sri Nandhini RS attended the online aptitude competition 'Olympiad 5.0' conducted by National Engineering Olympiad on 22.12.2021.

#### Papers Presented :

- Devadharshini T and Madumitha S of second year presented a paper on 'Sentimental Analysis' in the paper presentation event conducted by Dr.N.G.P. Institute of Technology between 08.10.2021 and 09.10.2021
- Madumitha S of second year presented a paper on 'Sentimental Analysis' in the paper presentation event conducted by Care College of Technology on 20.10.2021

- Ranjani T of third year presented a paper on 'Artificial Intelligence' in the paper presentation event conducted by Care College of Technology on 20.10.2021
- Mullaiventhan N of third year presented a paper on 'Cloud Computing Security' at Sri Ram Engineering College on 20.10.2021
- Suriya B S of second year presented a paper on 'Biometric Voting Machine' in the paper presentation event conducted by Computer Society of India on 08.11.2021
- Vijay K of second year presented a paper on 'Artificial Intelligence' in the paper presentation event conducted by Computer Society of India on 08.11.2021

## DEPARTMENT OF MECHANICAL ENGINEERING

### Association Activities :

#### Workshop

A workshop on "CAD software" was conducted for second year students on 05.10.2021. 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.



#### Guest Lecture

As a part of curriculum enrichment, a guest lecture on "Impact of covid-19 on engineers, skills to build and career path

to follow" is conducted on 28.10.2021. Mr.N.Charath Chander, Co Founder, MAXCADD, Coimbatore was the chief guest.

#### Guest Lecture

A guest lecture on the topic "Introduction to CAD/CAM" was conducted on 28.10.2021. Mr.N.CharathChander, Co-founder, MaxCADD, Coimbatore shared his views on the recent trends in CAD/CAM software's.



#### Webinar

A webinar on "Careers in armed forces" was held on 29.10.2021. Lt. Esan, Commander, Delta Squad delivered the opportunities for engineers in armed forces and preparation for various government exams.



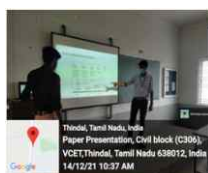
#### Miniature Model Competition

As a part of curriculum enrichment, an intra-department event called "Miniature Model Competition" was organized on 08.11.2021 for second and third year students.



#### CAD ModellingEvent

An intra-department event called "CAD Modelling" was organized on 13.12.2021 for the benefits of students to enhance the software skills.



#### Intra Departmental Paper Presentation

A technical paper presentation on 'Recent trends in Mechanical Engineering' was organized on 14.12.2021. Students were actively participated and presented the technical papers on various topics.



## Techno Fun Events

An intra-departmental techno fun event called "Connexions" was organized on 15.12.2021 for enhancing their technical knowledge.

### Awareness Programme

An awareness programme on "Outcome Based Education and NAAC/NBA Accreditation Process" was held on 16.12.2021 for all the students. Dr. R. Kumaravelan, Professor and Head, Mechanical Engineering and Mr. D. Senthil Kumar, NBA Coordinator delivered a lecture on benefits and significance of accreditations.

### Placement Activities :

- 68 final year students of batch 2018-2022 attended a virtual campus recruitment drive conducted by- M/s Cognizant Technologies and two students got placed.
- P.DhanushKodi and S.Vimalanadhan, final year Students got placed in M/s Cognizant Technologies, Chennai.

### Students Activities :

- S.S. Thangavel, final year student attended an Online Webinar on 'Entrepreneurship Awareness Program' conducted by HDFC Bank PARIVARTAN and ICT Academy on 03.12.2021.
- G. Mohanprasath, J. Hari Shankar, K. Karthik Raj & N. MohemmadJavid of third year attended Q-Cad training test conducted remotely from IIT Bombay at Velalar College of Engineering and Technology on 16.12.2021.
- V. Sathish Kumar, N. Sapnaa, R. Sandhiya, A.Pranesh Kumar, A. Manibharath, of second year attended an online LATEX Training program conducted by IIT Bombay on 24.12.2021.
- 3 students attended an online Quiz conducted by various institutions.

## DEPARTMENT OF MEDICAL ELECTRONICS

### Association Activities:

- Diabetes screening camp was conducted on 17.11.2021 in association with Medieclitex, BMESI and Dr.Mohan's Diabetes Centre, Erode. The objective of the programme was to raise awareness on diabetes by being a voice to access a quality life of individual and family, and preventing the complications. All the teaching, non- teaching staff members, other workforce of Velalar Institutions were screened in this camp.



- Department of Medical Electronics in association with Medieclitex organized an 'Eye Care Awareness and Eye Checkup Camp' on 12.10.2021. Dr. Tia Jacob and her team members gave awareness on eye care and conducted screen test. They also suggested spectacles for those who have vision problems. Around 117 members from the college attended and got benefited from this camp.

- Department of Medical Electronics in association with Medieclitex organized an-one day seminar on Lasers in Ophthalmology on 12.10.2021 to commemorate World Sight Day 2021. Dr.E.Lakshminath, Senior Assistant Surgeon, Government Headquarters Hospital, Erode was the resource person. Students gained information about various laser-tissue interactions such as photothermal, photochemical and photo disruption.



- Value added course on 'PCB Design' was conducted from 13.12.2021 to 17.12.2021 for second year students. After the completion of the course, students were able design a circuit and fabricate a PCB.
- Value added course on 'Biomedical Equipment Repair and Maintenance' was conducted from 13.12.2021 to 17.12.2021. After the completion of the course, students were able to perform troubleshooting and preventive maintenance of medical equipment- ECG, Ventilators, X-Ray, Ultrasound machine.

### Students Activities

- R.Kousik and S.Sanjeev from third and second year attended an-one day CSIR sponsored seminar on 'Current trends in Neurorehabilitation for brain attack disorders using Vlasov-Poisson Landau system and Innovations in adaptable Intelligent System using Bernstein Greene Kruskal-AFuture approach' on 13.11.2021.

### DEPARTMENT OF MBA

#### SEMINAR

A seminar on "Opportunities for MBAs at Food Industries in India" was organized on 02.12.2021. Shri.V.P.S.Radhakrishnan Managing Director, Angel Starch and Food (P) Limited & FOODIX, Erode was the resource person.



#### WORKSHOP

A Workshop on "Ignite the spark on you" was organized on 07.12.2021 and 08.12.2021. JC.Gauthum K.A.ABLExpects, JC ZONE Trainer, Erode was the resource person.



#### SEMINAR

A seminar on "Financial Management for Entrepreneurial success" was conducted on 28.12.2021. Shri. S.Prakash Managing Partner, Sakthi Cups, Erode was the resource person.

### ENTREPRENEURSHIP DEVELOPMENT CELL : SPECIAL LECTURE :

Entrepreneurship Development Cell and Institution's Innovation Council have jointly organized a Special Lecture on "Design Thinking" on 19.11.2021 for the final year under students members of EDC. Dr.M.Jayaraman, Professor, Department of Mechanical Engineering, Principal, Velalar College of Engineering and Technology, Erode was the resource person. In the Second session of the Programme, Mr.N.Balachandran, Assistant Professor, Department of Management Studies, Velalar College of Engineering and Technology, Erode delivered a special lecture on the topic "Innovation for Business Success".



#### WEBINAR :

The Entrepreneurship Development Cell & Institution's Inovation Cell of Velalar College of Engineering and Technology have conducted the

webinar on "Entrepreneurship Skill, Attitude and Behaviour Development" on 03.12.2021. Mr.N.MohanNivas, Entrepreneur-Deciduo LLP was the resource person.

### DEPARTMENT OF MATHEMATICS

#### Association Activities

Mathematics Colloquium celebrated the National Mathematics Day on 22.12.2021 to commemorate the 133rd Birth Anniversary of Srinivasa Ramanujan. Thiru.S.D.Chandrasekar, Secretary and Correspondent presided over the function. Dr.M.Eswaramurthi, HoD/S&H&Dr.M.Jayaraman, Principal felicitated the programme. Ms.R.Thilagavathi, AP/Mathematics was the coordinator of the programme. Dr.K.K.Mythili, Associate Professor and Head, Department of Mathematics (CA), Vellalar College for Women, Erode was the Chief Guest. She shared her thoughts and ideas on the topic "Reliability of Mathematics in Engineering Discipline". Around 140 members participated in the programme.



### DEPARTMENT OF PHYSICS

#### Association Activities

##### Fine Arts Club

The Fine Arts Club conducted the Tamil Essay writing competition on the topic 'Relevancy of Tamil Literary books and ideas in the present time' on 01.11.2021.



The Fine Arts Club conducted English Essay writing Competition on the topic "Impact of Covid -19 on Education sectors" on 02.11.2021.



The Fine Arts Club conducted English Elocution on the topic "Idolizing Sportsmen and Actors – a necessary evil?" on 21.12.2021. The Fine Arts Club conducted Tamil Elocution on the topic "Is e-learning a boon or a bane to students?" on 22.12.2021.

### Rotaract Club Activities

#### GANDHI JAYANTHI CELEBRATION



The Rotaract Club of VCET celebrated 'Gandhi Jayanthi' on 04.10.2021 to mark the birth anniversary of Mahatma Gandhi. Dr.M.Jayaraman, Principal, Dr.M.Eswaramurthi HOD/S&H and all the office bearers of Rotaract club paid floral tributes to his photo as a token of love.

#### SKETCH (DR.A.P.J ABDUL KALAM BIRTHDAY)



Dr. A.P.J. Abdul Kalam's Birthday is widely celebrated as a "World Students Day" on 15th October 2021. In view of "World Students Day", Rotaract club of VCET conducted a virtual Drawing Competition named "Sketch" on 15.10.2021. More than 28

students were participated and showed up their artistic skills. The Rotaract club of VCET congratulated all the participants.

## SLOGAN WRITING CONTEST (GLOBAL HANDWASHING DAY)



Rotaract club of VCET conducted an online slogan writing contest to create an awareness of "Global Handwashing Day" on 15.10.2021. Washing our hands is very important to save our lives from the Covid-19. Washing of Hands not only save our lives but also gives us a healthy life. By remembering this More than 40 students were joined in this contest. They sent their slogans through email.

## TREE PLANTATION WITH NGO'S



The Rotaract Club of VCET together with Non-Governmental Organisations like 'Manbumigu Marangal Kulu' and 'Manitham Pasumai Iyakkam' organised a plantation campaign and planted around 300 saplings at Pethampalayam on 17.10.2021.

Rtr.M.Bavatarini and volunteers worked in the field from morning till evening. There were 61 species of 300 saplings and they were planted on bare land in order to create 'KURUNGKADU' which acts as home to many living creatures like birds and squirrels.



## MR & MS CHEF (A COOKING COMPETITION)



On account of "International Chefs Day 2021" the Rotaract club of VCET conducted a cooking competition (Cooking Without Flame) in the name of "MR & MISS CHEF" on 20.10.2021.

More than 50 students participated in the event. Dr.M.Jayaraman, Principal graced the occasion. Various jury members evaluated the dishes prepared by the participants. Based on the evaluation, Dr.N.Thangaraj, coordinator of VCET Rotaract club, announced the winners of MR & MISS CHEF event and congratulated them.

## OATH FOR ANTI-CORRUPTION



On behalf of Vigilance Awareness week, Rotaractors of RC VCET have taken an Anti-Corruption pledge on 29.10.2021. Dr.M.Jayaraman, Principal, Staff members and students have taken pledge.

## OATH FOR INTEGRITY



In observation of Vigilance Awareness week, Rotaractors of RC VCET took an Integrity pledge upon India on 29.10.2021. Dr.M.Jayaraman, Principal, staff members and students of VCET have taken pledge.

## 'Kadhai Ketpoma?(Kadhai-2)'



To bring out the hidden talents, the Rotaract club of VCET organized an event 'Kadhai Ketpoma?(Kadhai-2)' by creating moral stories which has been

released on youtube on 30.10.2021. Rtr.Amruharvarshini Assistant health service Director of Rotaract club of VCET was the event chair for this event. Within the 24hours of video release more than 500 views and 200+ likes are received and many of the viewers gave us a positive comments.

## NATIONAL UNITY DAY PLEDGE



The Rotaract club of VCET has participated in the 'National Unity day pledge' through the online and all the office bearers of Rotaract club have taken a pledge and got a e-certificate from the central vigilance commission.



## KIDZ SKILLATHON



Rotaract club launched the event 'KIDZ SKILLATHON' for the kids under the age of 3 to 10 years on 14.11.2021. This event's main

objective was to unleash the kids' potential and to discover their talents despite this lockdown. Many kids actively participated and acted in the roles of freedom fighters like Sarojini Naidu and also recited rhymes, stories, and poems.

## BLOOD DONATION CAMP



Rotaract club along with Lions Club Erode conducted a blood donation camp at VCET Campus on 18.11.2021. Many volunteers have interestedly donated blood.

Almost 180 units of blood has been donated and certificates were provided to the donors.

## SAPLINGS DONATION



In order to protect the environment and save it for future generations, RCV CET have donated plant saplings to school students of Govt. School, Thindal on 14.12.2021.

## DEBATE



Rotaract club conducted a Debate on the topic 'Internet for Creation? Or Destruction?' on 18.12.2021. All the Rotaract members actively participated in the debate.

## SWATCH BHARATH

Rotaractors have collected the waste in and around the campus and cleaned the environment on 31.12.2021. They have also created awareness about the importance of clean environment. They have segregated the waste.



## DEPARTMENT OF CHEMISTRY

### GREEN CLUB



Western Ghats Biodiversity Awareness Campaign was organized by Green Club of VCET in association with Living with Nature Group, Erode on 19-

11-2021. Thiru. S.D. Chandrasekar, Secretary and Correspondent inaugurated the drive. Dr. M.Jayaraman, Principal, Dr.M.Eswaramurthi, HoD S&H, Prof. P.Jayachandar (Dean), Mr.R.Balasubramanian Green Club Coordinator and around 10 Green Club Volunteers were participated in this event.

### CONFERENCES / WORKSHOPS / SEMINARS / FDP PROGRAMS ATTENDED BY FACULTY

- 7 programs were attended by faculty members in the department of Bio Medical Engineering
- 4 programs were attended by faculty members in the department of Civil Engineering
- 16 programs were attended by faculty members in the department of Computer Science Engineering
- 16 programs were attended by faculty members in the department of Electronics and Communication Engineering
- 8 programs were attended by faculty members in the department of Electrical and Electronics Engineering
- 5 programs were attended by faculty members in the department of Information Technology
- 3 programs were attended by faculty members in the department of Mechanical Engineering
- 1 program was attended by faculty member in the department of Medical Electronics
- 23 programs were attended by faculty members in the department of MBA
- 3 programs were attended by faculty members in the department of Mathematics.
- 2 programs were attended by faculty members in the department of Physics.
- 1 program was attended by faculty member in the department of Chemistry.
- 1 program was attended by faculty member in the department of English.

### LECTURES / KEY NOTE ADDRESS / NPTEL / CONFERENCE PRESENTED BY FACULTY

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Lecture / Key note Address Delivered

Dr.V.Latha Jothi acted as Technical Reviewer in an International Conference (Technically sponsored by IEEE) on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA 2021) organized by Kumaraguru College of Technology, Coimbatore from 08.10.2021 to 09.10.2021

### NPTEL Certificates

Dr.V.Latha Jothi received NPTEL Domain Certification in Programming domain based on October 2021 examinations

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### Lecture / Key note Address Delivered

Dr.K.R.Valluvan acted as resource person in an ATAL FDP on 'Renewable Energy Integration using AI and Big Data Analytics' conducted by P.A.College of Engineering and Technology on 26.11.2021.

Dr.M.Nisha Angeline acted as resource person in a Guest Lecture on 'Applications of Neural Networks in Control Systems' conducted by Jai Shriram Engineering College on 16.11.2021.

Dr.S.Mahendrakumar acted as reviewer in a Conference on 'Computer Vision Impelled Technology (CVIT-2021)' organized by Dayananda Sagar University from 28.10.2021 to 30.10.2021.

Prof.P.Jayachandar, Dr.K.R.Valluvan, Dr.S.Mahendra Kumar, Dr.K.Senthil Prakash, Mr.M.Vijayan, Mr.P.Senthil Kumar, Mr.K.S.Murugesan, Ms.K.Kavitha, Ms.P.Nandhini Ms.P.Ragavi, Ms.V.Sakthipriya, Ms.S.Aiswarya and Mr.B.DineshKumar acted as resource person in a Value Added Course on '18ECV03 - PCB Design' conducted from 27.09.2021 to 05.10.2021.

## DEPARTMENT OF INFORMATION TECHNOLOGY

### Lecture/ Key note address Delivered

Dr. V. K. Manavalasundaram acted as a resource person for a session 'Machine Learning & its Applications' held at VET Institute of Arts and Science on 17.12.2021.

## DEPARTMENT OF MBA

### Ppapers Presented :

- Dr.T.Vetrivel and Dr.D.Muthukrishnaveni presented a paper on the title "Digital Payment System after Covid-19", in the Virtual National Conference on "Metamorphosis of Modern Management and Research" organized by Bannari Amman Institute of Technology, Sathyamangalam on 29.12.2021.
- Dr.T.Mohanapriya presented a paper on the title "Gender Sensitization at workplace", in the National Conference on 'Enhancing Innovative Practices through Digital Transformation in Business Management' organized by Jai Shriram Engineering College, Tirupur on 20.10.2021.
- Dr.T.Mohanapriya and Dr.K.T.Kalaiselvi presented a paper on the title "Emerging Career Opportunities for Youth in Digital Marketing during new normal life", in the Virtual National Conference on 'Metamorphosis of Modern Management and Research' organized by Bannari Amman Institute of Technology, Sathyamangalam on 29.12.2021.

### Lecture / Key note Address Delivered

• Dr.T.Mohanapriya acted as a resource person and delivered a lecture on the topic, 'Investor Awareness Programme' organized by Department of Business Administration, Periyar University PG Extension Centre, Salem on 26.11.2021.

• Dr.T.Mohanapriya acted as a resource person and delivered a lecture on the topic, 'Smart Investment for Smart Earning' organized by Department of Business Administration, Erode Sengunthar Engineering College, Thuduppathi on 27.11.2021.

• Dr.T.Mohanapriya acted as a resource person and delivered a lecture on the topic, 'Turning Vision into Reality' Organized by Entrepreneurship Development Cell, Vellalar College for Women, Erode on 06.12.2021.

## DEPARTMENT OF MATHEMATICS

Dr.M.Eswaramurthi and Ms.M.Sudharani have acted as jury in the 'MATH EXPO-2021' organized by the PG Department of Mathematics, Vellalar College for Women on 18.12.2021.

## DEPARTMENT OF PHYSICS

### Keynote Address Presented

Dr. N. Thangaraj chaired a session in the national level symposium on the title 'Promoting Innovative Research and Enhancing Rural Development (PIERD-2021) organized by QCPRL & CMRL in association with NSS-Bannari Amman Institute of Technology from 13.11.2021 to 14.11.2021

## JOURNAL PUBLICATIONS BY THE FACULTY MEMBERS

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Ms.P.Ragavi, 'Reverse Engineering for Artificial Intelligence to prevent Healthcare of Human Brain', International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS), ISSN: 2277-4998, Vol 12, Issue 11, pp 1331-1338, November 2021.

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

• Dr.K. Vanchinathan, Dr.K.R. Valluvan, 'An improved incipient whale optimization algorithm based robust fault detection and diagnosis for sensor less brushless DC motor drive under external disturbances', international transactions on electrical energy systems (Scopus Indexed), ISSN no 2050-7038, Volume31, Issue12, December 2021.

• Dr.P. Sakthivel, 'Low complexity modified Viterbi decoder with convolution codes for power efficient wireless communication, an international journal wireless personal communication, Volume1, Issue1, pp 685-700, February 2022.

### DEPARTMENT OF MBA

• Dr.T.Mohanapriya, 'Impact of Covid-19 towards Logistics Industry in India', "Dogo Rangang Research Journal", Vol.No:11, Issue :10, No. 03, pp. 42-46, October'2021.

• Mr.N.Balachandran, "Consumer Perception and Satisfaction towards Packaged Food Products with Reference to Coimbatore City", an International Journal, UGC Group 2 and Web of Science, - "Vidyabharati International Interdisciplinary Research Journal" (Special Issue), ISSN 2319-4979, Special Issue on Fostering Human Resilience-Catalyst for Management, Science and Technology, Pages. 1560-1570, No.8, Part 15, October' 2021

## BOOK PUBLICATIONS

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr.M.Parimala Devi, Ms.T.Sathya and Mr.G.Boopathi Raja 'Remote Human's Health and Activities Monitoring Using Wearable Sensor-Based System - A Review', DOI: 10.1007/978-3-030-66633-0-9, pp 203-228, September 2021.

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

• Dr.K. Vanchinathan, 'A Metaheuristic Optimization Algorithm-Based Speed Controller for Brushless DC Motor: Industrial Case Study', Metaheuristic Algorithms in Industry 4.0, CRC Press. 2021

• Dr.P. Sakthivel, Smart buildings digitalization in chapter 13 on 'IOT Platform for monitoring and optimization of the public parking system in firebase', published by CRC press, Taylor and francis group -2022, e-book ISBN:9781003240853.

### DEPARTMENT OF MBA

• Dr.D.Muthukrishnaveni, has contributed a chapter entitled "A Conceptual Study on Competency Mapping in Monitoring the Performance Appraisal in IT Companies" in the Book "Competency Mapping: A Tool in Monitoring the Employee Performance", Page.No:8 -14, ISBN NO:978-93-5578-597-8, December 2021.

## RESEARCH ACTIVITIES

### Award of PhD :



Ms. R. Menaka Assistant Professor/IT have completed her Doctoral Degree from Anna University, Chennai during November 2021. Her research title is 'Study of Session Based Dynamic Lightweight Schemes with Elliptic Curve Cryptography for secure E-Commerce System'. She has published 8 research papers in International Journals. Patent:

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr. S. Rajan Published a Patent on 'Smart Versatile Health Monitoring System' [Reg.No: 16.12.2021 & 202141058585].

Ms. K. Kavitha Published a Patent on 'PNH-Device: IoT Based ICU Patient Notification and Health Monitoring Device' [Reg.No: 23.11.2021 & 202141053774].

### DEPARTMENT OF MECHANICAL ENGINEERING

• Dr. A. Thirumoorthy, L. Arul Shankar, E. Ajai Kumar received the Australian patent grant for an invention entitled 'Method of synthesis in hybrid metal sand composite and 3D Printing thereof optimising using DL', on 22.12.2021. (Patent Application Number:2021105514)

# VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

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