



Velalar College of Engineering and Technology

(Autonomous)

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NEWSLETTER

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Message From the Principal

It's a great pleasure to see the glory of achievements of students and faculty members who had contributed to the development of our institution. VCET has grown abundantly in the recent past and continues to sustain its growth.



People reading this newsletter will realize the tremendous changes that are happening in the VCET campus. This newsletter presents a glimpse of the growth of the institution on many fronts. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and staff. The highly qualified and dedicated members of staff have always stood shoulder with the management and have carried out their duties with a level of commitment. It has recorded achievements such as conferences attended by faculty members and students, competitions won by highly talented students, innovative projects carried out with the technical guidance of faculty members in this competitive world for their 3600 development. They stand as a witness to the monumental efforts taken by the management to make the college a Centre of Excellence in the field of research an development.

I congratulate the VCET team of students and faculty members for their tireless efforts that have come to fruition of this newsletter. I wish it all success and hope that this tradition that has been set by the current students will be carried out by the Zenx generation.

ALUMNI MEET – COIMBATORE

Alumni Meet was organised on 15.02.2020 at Jenneys Residency, Coimbatore to interact with them. The Alumni Meet Coimbatore Chapter has given a good experience to understand the career growth of our alumini and able to understand that, many of them are in higher positions in reputed companies.



DEPARTMENT OF BIOMEDICAL ENGINEERING

- Department of Biomedical Engineering received a grant-in-aid for Rs. 2,71,000/-from AICTE ,New Delhi to conduct Short Term Training Programme (STTP) titled 'Machine Learning Techniques for Medical and Healthcare Applications'.
- Department of Biomedical Engineering received a grant-in-aid for Rs. 22,000/-from CSIR , New Delhi to conduct National Conference on 'Current And Future Challenges In Point-Of-Care Technologies: A Paradigm-Shift In Affordable Global Healthcare With Personalized And Preventive Medicine(Poct'20)'

Association Activities:

- A three day Entrepreneurship Awareness Camp sponsored by DST – NIMAT and Entrepreneurship Development Institute of India (EDII) is organised from 02.01.2020 to 04.01.2020. Mr.V.P. Radhakrishnan, Owner & Managing

Director, Angel Starch & Food Pvt. Ltd., Erode was the Chief Guest.



- A three day Entrepreneurship Awareness Camp sponsored by DST – NIMAT and Entrepreneurship Development Institute of India (EDII) is organised from 23.01.2020 to 25.01.2020. Mr.V.Arunkarthick, Founder & Managing Director, ABC XPERT, Erode was the Chief Guest.

- Association of BIONIKX organized a hands - on- training for second and third year students on 'Recent trends in biomedical equipment' on 24.01.2020 and 25.01.2020. Mr.A.G.Kannan, Mr.M.Manoharan, Mr.N.Venkatesh, Mr.N.Seenivasa Prabhu were the resource persons.



- Association of BIONIKX visited an orphanage at Karunai Nilam, Gobichettipalayam on 26.01.2020. Students and faculty members donated stationery and food items to the children.



- A cancer awareness rally was organized on 04.02.2020 and followed by an awareness lecture on 'Cancer awareness' was delivered by Dr.K.Velavan, Radiation Oncologist, Erode cancer center, Erode
- A three day Entrepreneurship Awareness Camp sponsored by DST – NIMAT and Entrepreneurship Development Institute of India (EDII) is organised from 19.02.2020 to 21.02.2020 and Association Valedictory function was organized on 19.02.2020. Rtn.P.M.Sivasankaran, Managing Director, Oasis Restaurant & Hotel, Erode, Jc.B.Nayagan, Zone trainer, JCI Erode Galaxy, Erode were the Chief Guest

DEPARTMENT OF CIVIL ENGINEERING

Training Programme:

A Training Programme on 'Introduction to AUTOCAD Software' was conducted on 24.02.2020 & 25.02.2020 for the first year Civil Engineering students. Mr.R.Tamarai, Training Engineer, CADD Centre, Erode was the resource person. Thirty students attended the training.

Seminar Organised:

- A One day National Level-The Institution of Engineers (India) sponsored Seminar on 'Urban Water Management Scenario: Issues and Challenges' was organized on 14.02.2020.



- A One day National Level -The Institution of Engineers (India) sponsored Seminar on 'Trends in Civil Engineering for Sustainable Development' was organized on 04.03.2020.



Students'activities:

- S. Dhanavenkatesh, S.V.Arun, S.Lakshan ,V.M.Surya Participated in ACI Concrete Cube Competition 2019 was held on 21.01.2020 at Kongu Engineering College.
- C.Abinaya participated and won I place in Poster Presentation held at Dr.NGP Institute of Technology, Coimbatore on 09.03.2020.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programs Organized by the department

ICT ACADEMY

- ICT Academy in association with The Hindu Group organized 'National Communication Skill Challenge 2019-20' programme on 20.01.2020. Around 100 students participated in the program. The program was conducted to enable students to learn and improve the Communicative English skills
- ICT Academy in association with VMware IT Academy organized 'VITA Day – 2020' on 25.01.2020. Around 110 students participated in the program. The program was conducted to enable students to learn Software-Defined Storage Concepts through self-learning modules.
- ICT Academy in association with Automation Anywhere organized 'BOT Unleashed' programme on 29.01.2020. Around 300 students participated in the training programme.



FOSS Training

FOSS Training and Test programme was conducted for the students .

- 109 students of second year in Advanced CPP participated.
- 105 students of third year in Blender participated.
- 99 students of final year in LaTeX participated.

Association Activities

- A Guest Lecture on 'ReactJS' and 'DBMS' was organized on 08.02.2020. Ms.S.Arthi & Ms.S.A.Soorya (Alumni 2019), Assistant System Engineer, TCS Chennai was the resource persons.
- A Guest Lecture on 'Principles of Programming' was organized on 08.02.2020. Ms.S.Swaathy, Developer, Zoho Corporation, Chennai was the resource person.
- A Seminar on 'Tableau' was organized on 19.02.2020. Ms.S.Mohana Priya, Senior Software Developer was the resource person.
- A Guest Lecture on 'Machine Learning' was organized on 21.02.2020. Dr.R.P.Ramkumar, Professor, Mallareddy Engineering College, Secunderabad was the resource person.
- A Seminar on 'Mobile Application Development using Android Studio' was organized on 07.03.2020. Mr.K.Boopathi Kumar, Full Stack Developer, Team-Lead Software Development, Appin Technology Lab, Coimbatore was the resource person.

Placement Activities

- P.Sukumar attended TalentNext Wipro Certified Faculty Programme and cleared the assessment with excellent scores on 30.01.2020. 55 Students got placed in various IT company.

Students Activities

- R. Krishnaranjani, V. Kirupakaran, R. Madhu Vaishnavi of 16CS8A obtained the **Second prize** in the Project Expo 2020 on the topic 'Edification Gateway Application', on 14.3.2020.
- B.Arthi, B.Ashish Kumar, N.Dharanidharan, V.Keerthana of 16CS8A obtained Third prize in the Project Expo 2020 on 'Graphical Password Shoulder Surfing Resistance using Falsification' on 14.3.2020.
- R. Krishnaranjani of 16CS8A obtained the 'Best Performer' certificate of achievement in the International Space Science Competition 2020 through ISSC-2020 Test conducted by Go4Guru.
- 12 Students of Final year published their research paper on the reputed journals during the month of March 2020
- 33 Students of Final year attended the conference and presented their research papers during the month of March 2020.
- Oviyan G M got the first prize in the event 'Picography' at Kongu Engineering College.
- Brindha P, Hema Priya S, Karthika T, Keerthana R got first prize in the event 'Techno Freaks' at Kongu Engineering College.
- Vasanth M received first prize in the event 'Gadget Review' at K.S.R College of Technology, Tiruchengode.
- Ramani L and Rathina Sneha M got the second prize in the event 'Shuffle your Minds' at K.P.R College of Engineering, Coimbatore.
- • Lakshitha T got the second prize in the event 'Code Debugging' at Info Institute of Engineering Coimbatore.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Grant Received:

Dr. K.R.Valluvan and Final year student Team (K.Ragavi, C.Ramya, B.S.Shruthi and S.Swetha) received Rs.7500/-under Student Project Scheme from TNSCST.

IETE Sponsored Technical Seminar:

A One-day IETE Sponsored Technical Seminar in Association with Reliance Jio Infocomm Pvt Ltd., Erode was organized on 'Trends and Technologies in Wireless Mobile Communication'



VCET Hackthon 2020: VCET Hackathon 2020 was held on January 2020.

National Level Women Hackathon(Cipher Decrypter)

Two student teams submitted ideas in Cipher Decrypter 2020 (National level women Hackathon) were held on 08-03-2020 at Bangalore by MyAnatomy Integrations.pvt. Ltd., Bangalore. The Project titled 'Emergency Alert & Reporting System To Reduce Maternal Death' of the student team V.Senbagapriya (Team Leader), R.Shivasankari, R.Viveka and C.Sangeetha Sre of third year have been shortlisted in the first round.

Association Activities

Workshop: A Two Day Workshop on "PICMicrocontroller Using MPLAB and ISIS Professional" was organized on 31.01.2020 & 01.02.2020.

Placement Activities

Totally ECE department got 36 offers in MNC. 110 Students out of 114 got placed in the academic year 2019-20 till now. 35 students of ECE got dual offers. Placed percentage of ECE department is 97%.

Students Activities

- Totally 8 hardware and 5 software student teams(six students per team) from third and second year ECE participated in VCET Hackathon 2020 held during January 2020
- 54 ECE students presented paper and 12 students participated in Seminar in various Institutions and two students won the First prize in paper presentat
- 13 students attended 12th International Symposium on 'High Energy materials Conference and Exhibit' held at IIT Madras and visited to ISRO from 16 to 18.12.19.
- 32 Students of Second year undergone an Internship training on 'Fundamentals of Telecom' in BSNL, Erode for the duration from 02-12-2019 to 14-12-2019.
- 17 Students of Final year are undergoing an internship training in various company.
- Second year students had undergone IPT and internships in various company.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Grants Received

- **Dr.P. Sakthivel**, Dr.C. Gokul, Mr.S. Saravanan, All India Council for Technical Education under Modernization (MODROBS) scheme has sanctioned fund Rs.5,33000/- towards Modernization of Power Electronics Laboratory of EEE Department.
- **Mr.K.Rajaram**, Travel Grant of Rs.37000/- Received from Indian Association Gastrointestinal Endo Surgeons for Attending Annual Congress in Guwahati, Assam during 07.02.2020 to 09.02.2020

Placement Activities

- 34 Students placed in various company

DEPARTMENT OF INFORMATION TECHNOLOGY

Association Activities

Hands on Training:

- The Students' Association of INFOAUXANO conducted hands on training on 'Client Project Development and Deployment' for the benefit of third year students on 04.01.2020. Mr. K. Boopathikumar, Trainer, Training Trains, Coimbatore was the resource person.
- A training on 'AngularJS & Django' was conducted for the third year students on 11.01.2020. Mr. K. Prakash and Mr. S. Balamurugan, Software Trainers, ETS Academy, Erode were the resource persons.
- A Hands on Training on 'Ethical Hacking' was conducted



for the benefit of the second year students on 25.01.2020. Mr. B. Sakthivel, Trainer, C CUBE Technologies, Erode was the resource person..

Guest Lecture:

A Guest Lecture on 'Android Application Development' was conducted on 01.02.2020 for the benefit of the third year students. Mr. K. R. Prasanna Kumar, AP and Mr. K. Logeswaran, AP, Department of Information Technology, Kongu Engineering College, Perundurai handled the sessions.



Workshop:

A workshop on 'Spider' was organized on 08.02.2020 for the benefit of second year students. The session was handled by Dr. R. Mynavathi, ASP and T. Nithya, AP of VCET



Seminar

A seminar on 'Evolution of Python' & 'IT World under the control of Python' was conducted on 29.02.2020 & 07.03.2020 for the benefit of second year students. Mr. P. Ramesh, Corporate Trainer and Ms. R. Yuvaneshwari, Software Developer, Code Supporter, Erode were the resource persons.

PLACEMENT ACTIVITIES:

- 25 Students placed in various company

Student activities

Technical Event

- A total of 16 teams participated in the paper presentation event organized by various colleges.
- M. Akshaya Bharathi, C. E. Naveena, C. Akshaya and S. Komala (III - IT) presented the project entitled 'Mobile Radiation Controller' in the innoWAH project competition conducted by PALS at IIT, Chennai.
- C. Akshaya (III-IT)s won the first prize for the project entitled 'My Erode – Mobile App' in the project exhibition competition conducted by KSR College of Technology, Tiruchengode on 04.03.2020.
- H. Renuka, J. P. Sabeela and R. Sneekha(II-IT) presented a paper on 'Bionic Eye Technology' and secured the second prize in the paper presentation conducted by SSM College of Engineering and Technology.
- M. Moulidharan (III-IT), Thanigai Singaravelan and V.K. Surya(II-IT) won golden award for the title 'Jokes on Me' in the Film making event conducted by Kumaraguru College of Engineering and Technology.
- M. Moulidharan(III-IT) participated and won various prizes in the photography contest conducted by various institutions.

Internship

14 students have undergone an internship in various platforms at various organizations.

DEPARTMENT OF MECHANICAL ENGINEERING

Association Activities:

Guest Lecture: A Guest Lecture on 'Mastering Product Design' was organized on 04.01.2020. Mr. Syed Moiz, Managing Partner, Pioneer Design & Engineering Pvt Ltd, Chennai was the resource person.

SAE Lecture Meeting: A Guest lecture meeting on 'Energy Conservation Management' was organized on 25.01.2020. Mr. THI. Jayansenthilkumar and Mr. K. Thangaraj, External Faculty/Southern Region, Petroleum Conservation Research Association, Chennai were the resource person.

MoU Extension Activity on AutoCAD Software

A workshop on 'Introduction to AUTOCAD Software' was organized on 08.02.2020 & 10.02.2020 for the first year students. Trainers from the CADD Centre, Erode gave training on AUTOCAD software to the students.

Mech Zeal Symposium: A National level Technical Symposium was organized on 22.02.2020. Mr. K. G. Thirugnanana Suvami, Deputy Manager, High Pressure Boiler Plant, BHEL, Trichy was the Chief Guest. Various technical events were organized on this symposium. Students from various institutions actively participated in various events like Paper presentation, Quiz, Aqua Rocketry, Junk Yard & CAD Modeling and empower their talents in their respective fields.

SAE Tier-II Events: SAE india vcet collegiate club organized ISS student convention Tier-II events on 29.02.2020 for the Mechanical Engineering students all over the Erode division. Dr. P. Navaneethakrishnan, Chairman and Dr. M. Easwaramoorthi, Secretary, SAEINDIA Southern Section, Erode Division inaugurated the function. Various technical events were conducted on this program. Students actively participated in various events like Paper presentation, Auto Quiz, Welding, Machining, Mobile Robotics, Business Plan, Material Identification and empower their talents in their respective fields.

Placement Activities:

- 36 Students placed in various company

Students Activities:

- 7 Final year student participated in "National Level Aero Design Challenge 2020" conducted by SAE southern section held at Bannari Amman Institute of Technology.
- 10 Third year students participated in the International Level Project event conducted by ASME as 'Human Powered Vehicle Challenge Asia Pacific 2020' from 28.02.2020 to 01.03.2020.

DEPARTMENT OF MEDICAL ELECTRONICS

Student Activities

Paper Presentation:

- Second year students participated in 15 activities including paper presentation, project presentation, poster presentation and other events.
- Saranya.R and Sowndharya.K of Second year won the First prize in the event Technical Connection conducted by Erode Sengunthar Engineering College on 06.02.2020.

DEPARTMENT OF MBA

Entrepreneurial Talk

An Entrepreneurial Talk on "Inspiring the Next Generation" was organised on 07.01.2020. There were four resource persons engaged the session from Young India(Yi) Chapter organized by CII, Erode.

National Youth Day Celebration

In association with Desiya Chinthanai Kazhagam, National Youth Day was celebrated on 11.01.2020. Honorable Dr.L.Murugan, Vice Chairman, National Commission for Scheduled Caste and Sri.Ma.Ko.Chi. Rajendran, State Organizer, Desiya Chinthanai Kazhagam, Tamilnadu were the resource persons. Dr.L.Murugan delivered a special address on "Young India - Challenges and Solutions".



Velalar Carnival: "Velalar carnival - 2020" for Final year UG students was organized on 07.02.2020. In this function five different events were conducted viz., Adzap, Brain Teasers, Word Hunt, Surprise Event and Treasure Hunt. More than 500 students from 35 colleges participated. Prizes and certificates were distributed to the winners of various events.

Workshop:

A one-day Workshop on "Believe in Yourself" was organised on 13.02.2020. Lion.Jc.M.Vetrivel, Learners Trainer was the resource person.

Outbound Training – Vanaprastha



A One day Outbound Training for I- Year MBA Students was organized on 21.02.2020 at Vanaprastha, Coimbatore. Students had experienced different approach in learning

Management concepts.

Project Expo And Stall

A Two Day project expo and Students Stall was conducted on 13.03.2020 and 14.03.2020. Students of First and Second MBA displayed various Products and made them for sale, through which they learned marketing practically. On the second day, they displayed various Projects in Project Expo, related to Management concepts.



Intra Department Meet

An Intra Department Meet was organized on 19.03.2020. Five different events were conducted viz., Paper Presentation, Business Quiz, Adzap, Best Manager and Talent Show. Both first and second year students were participated in various events. Prizes and Certificates were distributed to the winners of various events.

Students Activities

- 8 students of I MBA participated in various events like Best Creative Team and Quiz conducted at GRG Krishnammal College, Coimbatore on 01.10.2019.
- Prasaad.S won the Second Prize in AD Selfie Contest conducted at Karpagam College of Engineering, Coimbatore on 05.03.2020.
- 7 student of I MBA participated in various events like Business Quiz, Best Management Team and Selfie Contest conducted at Karpagam College of Engineering, Coimbatore on 05.03.2020.

DEPARTMENT OF MCA

- A Guest Lecture was conducted on 'Automation Anywhere' by ICT Academy on 29.01.2020. All the MCA students attended the program online.
- Environment Club of MCA organized a student competition 'Craft with Waste'. Around 10 teams participated and designed various craft with only waste material which brought by their own. Finally three teams were selected and given prizes.



- Velalar Carnival was conducted on 07-02-2020 for final year UG students. Both MBA and MCA conducted the program and around 450 students participated and won the cash prizes.



DEPARTMENT OF PHYSICS

Association Activities

- Science Club activities: Science Club 'PHENMAC' of Department of Science and Humanities conducted Quiz Competition for the First year B.E./B.Tech Students on 27.02.2020. The winners were awarded with prizes and certificates.



YRC CLUB ACTIVITIES

Corona virus awareness programme

Corona virus awareness campaign was conducted among the students of VCET by our volunteers on 16.03.2020. This campaign includes spreading method, prevention methods, and symptoms of Corona virus.

CONFERENCE /WORKSHOP / SEMINAR / FDP PROGRAMS ATTENDED BY FACULTY

Department of Civil Engineering

- **D. Sakthivel** and **S. Ramesh Kumar** attended the INDO-U.S Bilateral & DST-SERB Sponsored Workshop on Integrated Hydrochemical Modeling for Sustainable Development and Management of Water Supply Aquifers(Water Care-2020) at Sri Shakthi Institute of Engineering and Technology, Coimbatore during 02-01-2020 to 04-01-2020
- **A. Anitha** attended Research Support Conclave 2020 (RSC 2020) organized by Teaching Learning Centre, Coimbatore Institute of Technology from 08.01.2020 to 10.01.2020.
- **C. Pranesh** attended the Indo-Australia Workshop on 'Nanometrials for Applications in Agriculture, Energy and Environment' organised by National Institute of Technology, Tiruchy on 23.01.2020 and a workshop on 'Precst Concrete Lightweight Large EPS Panels for Mass Housing' on 02.03.2020 at CSIR – Structural Engineering Research Centre (SERC) Chennai

Department of Computer Science Engineering

- **Dr.Sadesh** attended FDP on Artificial Intelligence & Machine Learning at Learning Lofts Foundation Madurai on 19.02.2020 to 20.02.2020
- **Dr.Sadesh** attended NPTEL SPOC Workshop at IITM, Chennai on 25.01.2020

- Fourteen faculty attended 'BOT Unleashed' self learning programme and get certified from Anywhere Automation at Velalar College of Engineering and Technology on 29.01.2020
- **Dr.S.JabeenBegum & .S. Ponni** attended 'ICT Bridge Meet' at IITM Research Park on 26.02.2020.

Department of Electronics and Communication Engineering

- **Dr. M. Nisha Angeline** and Dr. M. Pravin Kumar attended a Two day National workshop on 'Applications of Machine Learning in 5G wireless Communication: A Research Perspective' organized by Mahendra Engineering College from 10 to 11.02.2020
- **G.Boopathi Raja** attended a CSIR National Seminar sponsored on 'MEMS sensor Technologies for Human Centered Applications in Health care, Safety and Environment' at Muthayammal Engineering College from 27.01.2020 to 28.01.2020.
- **P.Senthil Kumar** completed a online course on 'Electronics: Zener diode and Light Emitting Diode' in Udemy on 12.3.2020.
- **S.Surender** completed a online course on 'Arduino' organized at Adhiparasakthi Engineering College in January 2020 and conducted by Spoken Tutorial Project, IIT Bombay .

Department Of Electrical and Electronics Engineering

Dr.S.K.Manikandan, attended one-week Faculty Development Programme on 'Outcome Based Curriculum Design 'at Kongu Engineering College, Perundurai on 24.02.2020 to 29.02.2020.

Department of Information Technology

V. Gomathi, P. Prema, D. Suganya, R. Supriya and N. V. Keerthana attended CSIR Sponsored a one day seminar on 'Geospatial Blockchain: Promises, Challenges and Opportunities in Health and Healthcare' conducted by Kongu Engineering College, Perundurai on 20.03.2020.

Department of MBA

- Eight faculty members presented a paper in the National Conference at KSR College of Engineering, Tiruchengode on 24.01.2020.

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

Department of Civil Engineering

Paper Presented:

- The following faculty members presented a paper in an International Conference on Triple Helix Ecosystem for Earth, Environment and Energy at PSG Institute of Technology & Applied Research on 18.03.2020.
- **Anitha** 'Experimental Investigation of Concrete in Partial Replacement of Cement by Dolomite and Fine Aggregate by Copper Sla'
 - **D.Sakthivel and S.Ramesh Kumar** 'Experimental and Analytical Study on Coconut in filled Concrete Blocks'
 - **D.Sakthivel and S.Ramesh Kumar** 'Experimental Investigation on Internal Curing of Concrete Using Light Weight Aggregates'
 - **Dr.E.Ravi, C.Karthik & S.Suresh** 'Flexural Behaviour of Geocement Concrete Beam' in International

conference on Triple Helix Ecosystem for Earth, Environment and Energy'.

- **D.Sakthivel** and S.Ramesh Kumar presented a paper on 'An Experimental Investigation on Utilization of Geopolymer Mortar by Replacement of Cementitious Materials with E waste' in the National Conference on Intelligent Sensing Technologies for Civil Engineering Applications at Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 21.02.2020.

Department of Computer Science Engineering

Conference Presented

- **P.Sukumar** presented paper on 'An Efficient and Dynamic Semantic Aware Search Scheme over Encrypted Cloud Data Using Sent2Vec Model', in the National Conference on 'Computing Communication Technology and Science organized by Muthayammal College of Engineering on 06.03.2020.
- **S.Kayalvili**, presented paper on 'Online digital voting system using Blockchain technology' 6th International Conference on Engineering and Technology (ICET) organized by Selvam College of Technology on 04.3.2020 & 5.3.2020.
- **Dr.Sadash** presented paper on 'Distributed cloud data storage using fuzzy authorization framework', 6th International Conference on Engineering and Technology (ICET) organized by Selvam College of Technology, 04.3.2020 and 5.3.2020

Department of Electronics And Communication Engineering

Prof.L.Peter Stanley Bebington, Dean (Academic), Prof.P.Jayachandar , Dean (Student Affairs), Dr.K.R.Valluvan (Prof/ECE & COE) and Dr.K.Venkatachalam (HOD / ECE) were jury for Internal VCET Hackathon 2020 held during the month of January 2020.

Conference Presented

- The following faculty members presented their paper in the 4th International Conference on 'Science, Technology, Engineering and Management' (ICSTEM 20) organized by Department of ECE, Kalaingar Karunanidhi Institute of Technology, Coimbatore on 14.03.2020.
- Dr.M.Nisha Angeline, 'Design of IoT based system for checking human entry in the closed mines using Rover'.
 - Dr.M.Parimala Devi, 'Implementation of Electronic Protection System for Real Time Application' and 'Implementation of Electronic Alerting System for Real Time Application'.
 - K.S.Murugesan, 'Model Based Frame work for Secret sharing using VBOT Sensor'.
 - V.Gowri Shankar, 'Intelligent Mining Service Platform with LoRa Based IoT'.
 - T.Sathya, 'Blood Vessel Segmentation in Fundus Images and Detection of Glaucoma using SVM'.

The following faculty members presented their paper in an International Conference on 'Advanced Science and Engineering Research' organized by Al-Ameen Engineering College, Erode on 28.03.2020.

- Dr. M.Nisha Angeline, 'Automatic Measurements of Pollutants in the Atmosphere and Treatment of polluted Air using Electrostatic Precipitator'.

•K.S.Murugesan, 'Real time vehicle monitoring and Drowsiness detection'.

•S.Surendar, 'IOT Based Electricity generated from Overwhelmed water tank.

•S.Nachimuthu, 'Circuit Breaker using Password'.

The following faculty members presented their paper in an International Conference on 'Signal Processing and Communication system' organized by M.Kumarasamy College of Engineering, Karur on 05.03.2020.

•K.Kavitha, 'IoT based Industrial Pollution Monitoring and Controlling system for Pollution Control Board'.

•N.Karthikeyan, 'Implementation of Smart Trolley in Malls'.

The following faculty members presented their paper in the National Conference on 'Challenges and Opportunities in Industry 4.0' (COIN - 2020) organized by Department of ECE, K S R Institute for Engineering and Technology Tiruchengode in association with PALS and ICT Academy on 14.03.2020.

•Dr. S.Rajan, 'Implementation of Digital Payment with Time Effective Shopping in Retail Stores'.

•S.Pooranachandran, ' Smart Public Ration Distribution System'.

•R.Gopalan presented two papers on Smart Band for Scavengers Employed in Sewer lines using Arduino and Real time power consumption monitoring and Control using IOT in a National Conference on 'Recent Trends in Information, Communication and Computing Technologies' (NC-RTICCT-2020) organized by Department of ECE, K.S.R College of Engineering on 21.03.2020.

P.Senthilkumar presented a paper 'Real Time LPG measurement with leakage and automatic booking system in a National Conference on 'Signal Processing, Communication and Networking 2020' organized by Bannari Amman Institute of Technology on 13.03.2020.

G.Boopathi Raja presented a paper on 'Fingerprint based Medical Emergency First Aid Kit using IOT in an International Conference organized by PSG Institute of Technology and Applied Research, Coimbatore on 14.03.2020.

K.K.Pradeep presented a paper on 'GSM based pre alert system for earth fall' in an International Conference on 'Engineering and Technology 'organized by Selvam College of Technology, Namakkal on 05.03.2020.

P.Ragavi presented a paper on 'Smart Anti-Theft Security System for Vehicles' in a National Conference on 'Innovative Technologies in Computer Science' organized by Hindustan Institute of Technology, Coimbatore on 10.03.2020.

Department of Information Technology

The following faculties presented the paper in the AICTE sponsored an International Conference on Data Science and Big Data analytics for Sustainability conducted by Nandha Engineering College, Erode on 22.02.2020.

- **Dr. R. Mynavathi**, 'Optical Character Identification'.
- **Mr. C. Saravanan**, Ms. T. Premamala, Ms. V. Leela and Mr. A. Logeswaran, 'Supervised Probabilistic

Dimensionality Reduction Techniques in Big Data: A Survey'.

Department of Mechanical Engineering

NPTEL:

A.T.Navin Prasad, successfully completed the NPTEL Online Course on 'Selection of Nano-materials for Energy Harvesting and Storage Application' during Sep-Nov 2019.

Department of Mathematics

Dr. M. Eswaramurthi acted as a Chief Guest and delivered a lecture on 'FDP on Teaching Technique in Mathematics' on 3rd Jan 2020 at A.V.P College of Arts and Science, Tirupur.

JOURNAL PUBLICATIONS BY FACULTY MEMBERS

Department of Biomedical Engineering

- Mangai S., "EE-FMDRP: Energy Efficient? Fast Message Distribution Routing Protocol for Vehicular Adhoc Networks", Journal of Ambient Intelligence and Humanized Computing ,ISSN: 1868-5137 DOI 10.1007/s12652-020-01730-8, 2020.

Department of Civil

- The following faculty members published a paper in an International Journal for Research in Applied Science and Engineering Technology, ISSN: 2321-9653, Vol 8, Issue III, March 2020.
- **D.Sakthivel**, 'Experimental Study on Partial Replacement of Cement with Egg Shell Powder and Flyash with Rice Husk Ash in Brick', PP-560 to 566.
- **S.Ramesh Kumar**, 'Study on Preparation of Building Valuation Report in Construction Industry', PP-549 to 559.
- **C.Pranesh**, 'Experimental Study of Textile Concrete with Fly-Ash as using Partial Replacement of Cement', PP-643 to 648.
- **D.Sakthivel and S.Ramesh Kumar** 'Self Repairing Concrete for Sustainable Solutions', International Journal of Innovative Research in Technology, PP-308 to 313 March 2020.

Department of Computer Science Engineering

P.Sukumar , 'An Efficient and Dynamic Semantic Aware Search Scheme over Encrypted Cloud Data Using Sent2Vec Model', International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE), Volume 8, Issue 3, March 2020.

M.Mohanasundari , 'Prediction of ARDS Syndrome and CAD using Multi Layer Perceptron', International Journal of scientific research in science and technology, Volume 7, Issue 2, March

Department of Electrical and Electronics Engineering

Dr.C. Gokul, & Dr.K. Vanchinathan, 'Real Time Monitoring and Controlling of Boiler Drum Parameters using Internet of Things (IoT)', International Journal Name Test Engineering and Management (Scopus Indexed)ISSN 0193-4120, Vol 82, Issue, pp 2195-2198, January 2020.

Dr.C.Gokul, & Dr.K.Vanchinathan, 'Experimental Investigation of Hybrid Battery/super Capacitor Energy Storage System for Electric Vehicles', International Journal of Advanced Science and Technology (Scopus Indexed) ISSN2005-4238, Vol 29, Issue 4S, pp1013-1021, March.

Department of Information Technology

Menaka. R., 'Traits of Outsourcing Bigdata in V's Term with Safe Secure Cryptosystem', Journal of Test Engineering and Management', pp. 6046 - 6050, Vol. 82, January 2020.

Department of Mechanical Engineering

R.Prakash and **Dr.R.Kumaravelan**, 'Calorimetric Investigation of Magnesium Nitrate Hexahydrate and Sodium Thiosulphate Pentahydrate as Salt Mixture Encapsulated Materials for Thermal Energy Storage', Thermal Science, ISSN 0354-9836, Volume-24, Issue-1B, Page 613-621, February 2020.

Department of Chemistry

Mr. Dr. K. Manikandan, 'The investigation on structural, optical and morphological behaviour of pure and Co-doped TiO₂ nanoparticles developed via sol-gel approach for biological activity, "Material Research Express", International Journal, Scopus indexed, vol. 6, no.12, pp. 1-11., Feb 2020.

BOOK PUBLICATIONS

Department of Computer Science Engineering

Dr.S.Sadash and **.K.Tharani**, 'Software Engineering', Charulatha Publications, ISBN No: 978-93-89736-81-6, January 2020.

Department of Electronics And Communication Engineering

Dr. M. Pravin Kumar published a book chapter on 'Detection and control of water leakage in pipelines and Taps using Arduino Nano Microcontroller in Intelligent Manufacturing and Energy Sustainability-Smart Innovation, Systems and Technologies, Vol. 19, Springer, Singapore.[Scopus]

Department of Electrical and Electronics Engineering

Dr.C.Gokul & **Dr.K.Vanchinathan** published book on 'Basic Electrical Engineering' by ESN Publication, Chennai, February 2020, ISBN No: 978-81-945156-2-3.

Department of Chemistry

Dr. K. Manikandan, **Dr. S. V. Elangovan**, **K. N. Prabhakar** & **M. Gowri**, Published a book 'Environmental Science and Engineering' by KKS Publishers, Chennai, Jan 2020, ISBN: 978-93-83216-31-4.

Department of Physics

Dr. DeepaJananakumar, **Dr.N. Thangaraj**, **Ms.S. Devi**, published a book 'Medical Physics' by KKS Publishers, Chennai, Jan 2020, ISBN: 978-93-83216-30-7.

Dr. DeepaJananakumar, **Dr. N. Thangaraj**, **Mr. T.Chandrasekaran**, published a book 'Physics For

Electrical Sciences' by KKS Publishers, Chennai, Jan 20

Dr. DeepaJananakumar, **Dr. S. Ranjitha**, **Ms. S. Sathya**, published a book 'Physics For Information Sciences' by KKS Publishers, Chennai, Jan 2020.

Dr. DeepaJananakumar, **R. LavanyaDhevi**, **P.Kirthika**, published a book 'Materials Science' by KKS Publishers, Chennai, Jan 2020.

RESEARCH ACTIVITIES

Department of Computer Science Engineering

S.Gokulraj completed his Doctoral Degree from Anna University, Chennai, during January 2020. His area of interest is Cloud computing.



Department of Electronics And Communication Engineering



M. Parimala Devi, completed Doctoral degree from Anna University, Chennai, during February, 2020. Her area of interest includes VLSI Design, SoC, IoT, Microprocessor based system design and Nanoelectronics.

- One Ph.D candidate under the supervision of Dr. K. R.Valluvan completed the viva-voce examination in January 2020.

Department of Information Technology

S. Viveka, completed her Doctoral degree from Anna University, Chennai during January 2020. Her area of interest are high utility Itemset Mining, Big Data and Cyber Security.



Patent

Dr. M. Pravinkumar published a patent on the title 'System to facilitate Visually Impaired Person to Identify Person Present in Surrounding' on 13.12.2019.(Application Number:201941050087)

Copyrights

Dr.S.Mangi obtained copy rights for Multimodal Firefly Optimization For Early Detection of Breast Cancer

Dr.S.Mangi obtained copy rights for Firefly Energy Optimization Based Weighted Round Robin And Prioritized Load Balanced Routing In Wireless Mesh

AWARD / RECOGNITIONS

• **Dr.S.JabeenBegum** received an award 'Cloud Champion' for organizing and interacting with ICT Academy at IITM Research Park on 26.02.2020.

• **A Centre of Excellence** has been presented on the successful completion of 'BOT UNLEASHED' programme at IITM Research Park on 26.02.2020

• **A Cloud Literate Campus Award** has been presented on the successful completion of the cloud computing course on the Cloud Literacy Day 2019 at IITM Research Park on 26.02.2020

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