



Velalar College of Engineering and Technology

(Autonomous)

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Thindal, Erode - 638 012.

NEWSLETTER

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Message From the Principal

Digital transformation can make education system immune to pandemics. The tremendous use of technology in teaching amidst crisis will lead to a new era in education. In a move to not let the crisis hamper the curriculum, digital transformation has become a new norm. In this time of crisis, a well-rounded and effective educational practice is required for the capacity- building of young minds. VCET puts-forth its efforts to reconsider the current delivery and pedagogical methods by seamlessly integrating classroom learning with virtual learning modes to build a unified learning system. We ensure uninterrupted learning when classes are disrupted. Our practice of technology based education makes the education system more lucid and clear. VCET motivates and empowers students to be life long learners, critical thinkers and productive members of ever-changing global society. I am rejoiced to note that various digital initiatives are taken by the faculty members to ensure sustainable learning and dissemination of knowledge by organizing conferences, training programs and workshops at this moment, revamping the traditional education strategy. Expert lectures are also organized by various departments from time to time to keep abreast with the latest developments in the field of science and technology. This newsletter highlights the achievements of faculties and students in the field of academics, placement, innovations, sports and other departmental activities. I am delighted about the overwhelming response and enthusiastic participation of our students and faculty members in multifarious programmes. Finally, I convey my hearty congratulations to all of them for adding a new feather to the cap, and my best wishes for the budding engineers for a greater success in the forthcoming academic year 2020-2021.



DEPARTMENT OF BIOMEDICAL ENGINEERING

Association Activities

•Department of Biomedical Engineering in association with BIONIKX organized an online competitions like animated videos, Photography (Salt & Pepper challenge), Essay writing on the theme of 'Quarantine days of Covid-19' for school and college students on 19.05.2020.

- A six day Alumni webinar series was conducted for the Biomedical Engineering students on emerging topics from 11.05.2020 to 16.05.2020 through Google Meet.
- A two day Online Value Added Course was conducted on 'Lab VIEW for Beginners' for BME students from 21.05.2020 to 22.05.2020. Mr.R.Rajkumar, Assistant Professor, Department of EEE & Certified Lab VIEW Associate Developer, Kongu Engineering College, Perundurai, Erode was the resource person.
- A Seven Day Online Faculty Development Program on 'Datascience for Biomedical Applications' from 26.05.2020 to 01.06.2020.
- IEEE student branch of -VCET inaugurated on 12.06.2020 through Zoom and also arranged a Guest Lecture on 'Women in the field of Engineering'. Dr.N.Nithyavathy, Chair-IEEE Women in Engineering.

- IEEE-EMBS VCET student chapter conducted a Webinar on 'Timeline of Endoscopy-Present, Past, Future' on 17.06.2020 through Zoom and also live streamed in YouTube.

- A Webinar on 'Molecular Diagnosis of COVID-19' was organized through Zoom on 23.06.2020. Dr.K.Jeyaprakash, Head of the Department, PG & Research Department of Biochemistry, Rajah Serfoji Government College, Thanjavur was the Chief Guest and resource person.

- A Webinar on 'Patent - A Practical and Procedural Insight' was organized through Zoom on 25.06.2020. Shri.Parveenkumar, Assistant Controller of Patents & Designs, Indian Patent Office, Sector 14, Dwarka, New Delhi was the resource person.

- IEEE-EMBS VCET student chapter conducted a Webinar on 26.06.2020 through Zoom and was streamed live in YouTube.

DEPARTMENT OF CIVIL ENGINEERING

Online Training Programme: A Training Programme on 'Software Application in Civil Engineering (Google SketchUp)' was conducted on 04.05.2020 and 05.05.2020 for the Civil Engineering students.

Seminar Organised: Organised two days Online-Student Enrichment Programme on "Recent Innovation in Civil Engineering" in association with the Institution of Engineers(India), Erode Local Centre from 29-05-2020 to 30-05-2020.

Alumini Interaction Programme:

An Alumini Interaction programme was organised on 24.05.2020 through Zoom meeting (online mode).

E-Quiz Event:

- A COVID-19 Awareness Quiz program was organised by RACE-Civil Engineering association for the second year and third year students through Google forms with certificates on 14.05.2020.
- A Civil Technical Quiz program was organised by RACE-Civil Engineering association for the second year students through Google forms with certificates on 15.05.2020.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programs Organized

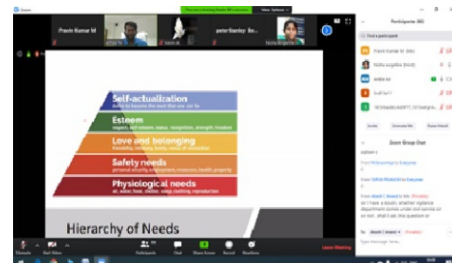
- CSI and ISTE organized a multimedia presentation for students on "COVID-19" on 14.05.2020
- Organized a five days Online Faculty Development Programme on "The Scope and Impact of Open Source Technologies" from 26.05.2020 to 30.05.2020.
- Organized a five days Online Student Enrichment Programme on "Future Technologies" from 20.05.2020 to 24.05.2020.
- One day Webinar "Insight to future business technologies" was organized on 13.06.2020.
- Organized a four days Students Refresher Programme on "Online Programming Skill Refresher Series on C Programming" from 15.06.2020 to 18.06.2020.

- Organized a three days Online Hands-on training "Data Science" from 15.06.2020 to 17.06.2020
- Organized a two day online workshop for students on "Python Programming" from 20.6.2020 to 21.6.2020

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Association Activities

- A 3 Day Online Internship Program: Department of ECE in association with EdGate Technologies Pvt. Ltd organized an Internship training on 'Ultra Low Power System Design' from 17.04.2020 to 19.04.2020.



- Organized a webinar on 'Career Prospects in Civil Services (with special thrust on electronics)' on 12.05.2020. Mr. M.Ambe, Deputy Commissioner, Indian Revenue Services, Government of India handled the session on opportunities for Electronics Engineers in Civil Service Examination.
- A 3 Day Online Value Added Course: Department of ECE organized a value added course on 'Electronic Circuit Simulation-Proteus: One tool for all' on 14.05.2020 to 16.05.2020.
- Department of ECE organized a webinar on '5G Technology: The Future of Connectivity' on 22.5.2020. Mr. B. S.Sankara Subramaniam, Technical Lead - QA, Parallel Wireless, Bangaluru handled the session.
- Well thought-out a webinar on 'How to Take Decision?' on 22.5.2020. Mr. Vincent Amaladoss. PMP, Sr. Project Manager, Kforce Inc, Dublin, USA was the resource person.
- Organized a 5 Day 'Industry Institute Interaction Programme on recent trends and technologies in academic developments' on 26.05.2020 to 30.05.2020.
- Conducted a webinar on 'Virtual Lab' on 27.5.2020. Dr. J. Ragarajan, Professor ECE, Muthayammal Engineering College has taught the session on conducting the lab session on Virtual Platform.
- A webinar on 'Implementation of Image Processing Algorithms in MATLAB' was conducted on 28.05.2020.
- Department of ECE organized a webinar on 'How to be mentally strong and Navigate your way to success in challenging scenarios?' on 29.05.2020. Ms. R.Preethi, Associate Director, IT Portfolio Management, Global Insurance Company, Texas, USA has handled the session.
- A 15 Days Online Internship Program: Department of ECE organized 15 days Online Internship program on 'Machine Learning and Deep Learning Using Python' on 01.06.2020 to 15.06.2020.
- One Day Webinar on 'Something creative and about illusions' on 02.06.2020. Mr. Chandiran, Generalist - 3D Animation, Fashion Designer, Kumbakonam handled the session.

- A webinar on 'IOT: The Magic Wand of Tomorrow' on 05.06.2020. Mr. Balaji Brindavan, CEO, Quantum AEON, Hand held Mobility Solutions, Quantum Power Systems, Bangalore has handled the session.



- Organized a online quiz competition on 'Analog and Digital Circuits' on 10.6.2020.
- One Day Webinar on 'Career Opportunities in Telecom Industry' on 14.06.2020. Mr. U.Tamizhkumaran, System Specification Engineer, Nokia, Bangalore has handled the session.
- One Day Webinar on 'Opportunities in Automobile Embedded Systems and Introduction to Engine Control Unit, on 20.06.2020. Mr. K. Sathiskumar, Senior Hardware Engineer, Robert Bosch Engineering and Business Solutions Pvt Ltd, Coimbatore has handled the session.
- Organized a webinar on 'Introduction to SAP & Influence of Covid '19 in Industries' on 02.05.2020. Mr. K.Surendar, Senior Associate, Software Development, CTS, Bangalore handled the session.
- Webinar on 'An Awareness Programme on Scenario of Core Industries - Post COVID'19' on 16.5.2020.

Students Activities:

- Second year ECE students successfully completed 1165 one day webinars and attended 65 Online Quiz competitions from April to June 2020.
- Third year ECE students successfully completed 253 one day webinars and attended 189 Online Quiz competitions from April to June 2020.
- Final year ECE students presented papers in 100 International Conferences and 54 National Conferences from March to June 2020 conducted by various Institutions.

Value Added Course:

- Around 100 Students attended 15 Days Self learning course on 'Career Edge - Knockdown the Lockdown' online course offered by TCS iON, TATA Consultancy Services during month of April and May 2020.
- Around 200 Students attended 3 Days Online Value Added Course on 'Electronic Circuit Simulation-Proteus: One tool for all' conducted by Department of ECE, VCET from 14.05.2020 to 16.05.2020.

Internship/In Plant Training:

- Around 60 Students attended 3 days online internship program on 'Ultra Low Power System Design' conducted by Edgate Technologies Pvt. Ltd, Bangalore in Association with Velalar College of Engineering and Technology from 17.04..2020 to 19.04.2020.



- Around 130 Students participated in 15 Days Online Internship on 'Machine Learning and Deep Learning Using Python' Conducted by Pantech Solutions, Chennai in Association with Velalar College of Engineering and Technology from 01.06.2020 to 15.06.2020.

Industry Institute Partnership Program:

Around 200 Students participated in 5 Days Industry institute interaction programme on 'Recent trends & technologies in Academic Developments' conducted by Department of ECE, VCET 26.05.2020 to 30.05.2020.

Online Course by Students

Around 100 Students Completed the Online Courses in the Various Online course platforms.

One Week Online Short Time Course

Around 40 Students attended the One Week Online Short Time Course organized by Dr.B.R.Ambedkar National Institute of Technology, Jalandhar.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Webinar Organized

- Organized a webinar on title 'Internet of Things', by Ms.C.KarthikaDevi., Software Engineer Tech Mahindra Pvt Ltd. Chennai on 12.5.2020.
- Organized an online Webinar on 'Research Perspective in Image Processing using AI/ML' on 22.06.2020.
- Webinar on 'Position yourself for the Future', was organized by Association of EMERFLUX on 07.05.2020. Mr. N. Vaaneswaran, Senior Software Engineer, Dell Technologies, Bangalore was the resource person.
- Webinar on 'Future Endeavour in Electrical Engineering', was organized by Association of EMERFLUX on 02.06.2020. Mr.M. Parthiban, M.E., Managing Director, Caliber Embedded Technology Pvt Ltd. Salem was the resource person.
- Webinar on 'Design & Development of High-Power Audio Amplifier for Home Theater', was organized by Association of EMERFLUX on 03.06.2020. Mr.S.V. Sreeraj, Director, EmCog Solutions, Chennai was the resource person.
- Webinar on 'Hybrid Renewable Energy Systems - A research perspective', was organized by Association of EMERFLUX on 06.06.2020.
- Webinar on 'Programming 8051 using C', was organized by Association of EMERFLUX on 09.06.2020. Dr. B. Karthikeyan, Associate Professor, Department of Embedded Technology, School of Electronics Engineering, VIT-Vellore campus was the resource person.
- Webinar on 'Women in the Field of Engineering', was organized by Association of EMERFLUX and BIONIKX
- Webinar on 'Internet of Things', was organized by Association of EMERFLUX on 12.06.2020. Ms.C. KarthikaDevi, Software Engineer, TechMahindra Pvt Ltd, Chennai. was the resource person.
- Webinar on 'Time Line of Endoscopy - Past, Present & Future', was organized by Association of EMERFLUX and BIONIKX on 17.06.2020.

- Webinar on 'Research perspective in image processing using AI/ML', was organized by Association of EMERFLUX on 22.06.2020. Dr.S.SankarGanesh, Assistant professor (senior), School of Electronics Engineering, VIT-Vellore was the resource person.
- Webinar on 'Endoscopy Maintenance and Structure', was organized by Association with IEEE Student Branch on 26.6. 2020. Mrs. Koyal Adlakha & Mr. Yogesh Shukla from Olympus Medical Systems India Pvt Ltd, Gurgaon was the resource person of this function.
- Webinar on 'Real-Time Energy Management in Smart Grid', was organized by Association of EMERFLUX on 26.06.2020. Dr.SofanaRekha, Assistant professor (Senior), School of Electronics Engineering, VIT-Chennai campus was the resource person.
- Webinar on 'IoT and Industry 4.0 Opportunity Perspective', was organized by Association of EMERFLUX on 03.07.2020.

DEPARTMENT OF INFORMATION TECHNOLOGY

Program organized

Faculty Development Program

- Seven days online Faculty Development Program on 'Scope of Artificial Intelligence and Machine Learning in Automation' was conducted from 11.05.2020 to 17.05.2020.
- Five days online Faculty Development Program on 'Importance of IT in the Evolution of IoT and Data Analytics World' was conducted from 25.05.2020 to 29.05.2020.

Student Development Program

- Five days online Student Development Program on 'Emerging Technologies for Career Excellence' was conducted from 15.05.2020 to 20.05.2020.
- Seven days online Student Development Program on 'Essential Technologies for Technocrats' was conducted from 22.05.2020 to 28.05.2020.

Association Activities

- A webinar on 'Friendly introduction to Machine learning & Deep learning' was conducted on 11.04.2020 for the benefit of Second year students.
- A webinar on 'Netflix matrix factorization & Devops tools' was conducted on 11.04.2020 for the benefit of Third year students.
- A webinar on 'Building a Website and make it live' was conducted on 18.04.2020 and the session was handled by R.Manoj Aiyer, Microsoft Student Partner, UI/UX Designer, Coimbatore.
- An alumni webinar series on 'Opportunities & Interview Tips for budding Engineers' was conducted on 02.05.2020 for the benefits of second year students. The session was handled by Mr. Mohan Thangarasu (Alumni of IT department) Senior Application Developer, IBM India Pvt., Ltd., Bangalore.
- A five days fresher's webinar series on 'Discover a path to our vision' was conducted from 01.06.2020 to 05.06.2020 for the benefit of first year IT students.

Student activities, Student Online courses

- 7 students attended a Soft Skills Development Program on 'Career Edge Knockdown the Lockdown' conducted by TCSiON from 05.05.2020 to 17.05.2020.
- 6 students attended Online Hi-Tech Test on the topics C++, DBMS, Computer Networks and Datastructures & Algorithms during May – 2020.
- 139 students attended online quiz on various topics conducted by other colleges during May to June – 2020.
- 34 students attended a Student Development Program on 'Emerging Technologies for Career Excellence' conducted by Velalar College of Engineering and Technology, Erode from 15.05.2020 to 20.05.2020.
- 45 students attended a Student Development Program on 'Essential Technologies for Technocrats' conducted by Velalar College of Engineering and Technology, Erode from 22.05.2020 to 28.05.2020.
- 196 students attended seminar, workshops and webinar on various topics conducted by various Academies, host and other institutions during April to June 2020.



Internship

- Haripriya M (II-IT) completed online internship training on 'Web Development' conducted by Echo Corporation, Chennai during June 2020.

DEPARTMENT OF MECHANICAL ENGINEERING

Association Activities:

Webinar:

Organized a webinar on 'Artificial Intelligence' on 15.05.2020. Dr.K.R.Ananth, Professor, Department of MCA, VCET, Erode delivered the artificial intelligence methods and techniques.

Alumni Webinar Series:

Organized three days alumni webinar series on the topic 'Day-1: Fundamental of Exhaust Systems' 'Day 2: Job prospects in Mechanical Engineering after lockdown' 'Day 3: Phase Change Materials'

MoU Extension Activity by MaxCADD:

As a part of curriculum enrichment, five days online workshop was organized on various topics 'For Mechanical Engineers by Mechanical Engineers' from 29.05.2020 to 03.06.2020.

Placement Activities:

- 93 pre-final students of batch 2017-21 have undergone online training activities from 16.04.2020 to 15.05.2020

Students Activities:

- Final year students G.R.Mohan Kumar & P.Gokul attended Online lecture meeting on "BS-IV Emission Norms and Control Techniques " conducted by SAE INDIA on 06.05.2020

- Second year S.Robin attended Webinar on "Design thinking for Development of 21st century Skill set" at Dr.S&S.S.Ghandhy Government College of Engineering, Surat on 10.05.2020.
- Second year students M.J.Vijay, S.Robin, V.M.Sri Lakshaya attended Webinar on "Evolution of Connected Factories (Industry 5.0)" at M L R Institute of Technology, Hyderabad on 30.05.2020
- 65 students attended one day webinar in various topics conducted by various institutions.
- 5 students attended online workshop conducted by various institutions.
- 28 students attended technical quiz conducted by various institutions.

DEPARTMENT OF MEDICAL ELECTRONICS

Programs Organized

Mrs.S.B.Abithaand, Mrs.R.Dhivya organised two webinars convened by Dr.V.Chandrasekaran on the topics 'Insights into Mechanical Ventilation and Medical Electronics-An Overview' on 05.06.2020 and 10.06.2020 respectively.

Students Activities

- 6 students of second year medical electronics attended the webinar "virtual reality" Organized by department of computer science and application, SRM Institute of science and technology on 14.05.2020.
- 7 students of second year medical electronics attended the webinar "ML for health care application" Organized by sreyas Institute of engineering and technology.
- 5 students of second year medical electronics attended the webinar "recent trends in power electronics using MATLAB" organized by st. Peter's engineering college on 22.05.2020.
- 5 students of second year medical electronics attended the webinar "Electric vehicle design" Organized by the hindustan Institute of technology and science.
- 5 students of second year medical electronics attended the webinar "Deep learning using python" Organized by panimalar Institute of technology in association with pantech E-learning on 20.05.2020.
- 30 students of second year medical electronics attended the webinar "carrier prospects in civil services
- 8 student of second year medical electronics attended the webinar "future technologies" Organized by department of CSE, VCET on 20.05.2020 to 24.05.2020.
- 33 students of second year medical electronics attended the webinar "Electronic circuit simulation proteus:one tool for all" Organized by department of ECE.

DEPARTMENT OF MBA

Programs Organized

- Organized Webinar on "Knowledge and Time Management Skills during Lockdown" on 30.05.2020. Mrs.Akilaa.S.Balaji, State President, Rastra Sevika Samithi (RSS Women's Wing), Tamilnadu & Director, Shishya Matriculation School, Thiruvanamalai was the Resource Person.

- Organized Webinar on "NSE-Investor Awareness Program on Basics of Capital Marketing" on 24.06.2020. Thiru.R.Senthilmurugan, Senior Manager-Business Development, National Stock Exchange of India Limited(NSE), Chennai was the Resource Person.
- Organized Webinar on "Need for Financial Planning during Pandemic Period" on 07.07.2020. Mr.Roger Jeess Smith, Instructional Trainer, Learning Links Foundation, New Delhi was the Resource Person.
- Department of Management Studies in collaboration with VET Institute of Arts and Science Organized Student Development Programme (Online) on "Brand Positioning & co-branding with Alliances".

Alumini Interaction Programme

Organized Alumini Interaction (Online) on "MBA Students Opportunities and Threats in the Current Business Scenario after Covid'19" on 16.05.2020. Shri.R.Anandakrishnan (MBA Batch : 2006 – 2008) Business Controller, Maersk Inc, North Carolina, USA was the Resource Person.

DEPARTMENT OF MCA

Assocaiion Activity

MCA organized a four days Online Student Development Programme on Emerging Technologies from 19.05.2020 to 22.05.2020. with the various topics Industry 4.0, Amazon Web Services, DevOps, Role and Demand of 5G more than 300 students registered and got benifited

Internship

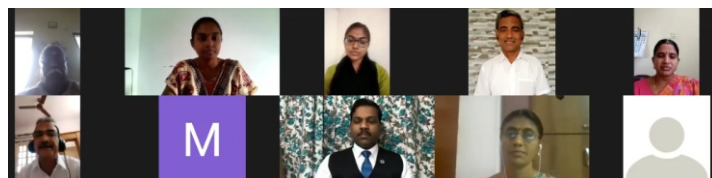
21 MCA students undergone internship program in Signafide Technolgy from 22.06.2020 to 07.07.2020

Students activity

Totally 73 programs are attended by second MCA students during this period at various institution in different topics

DEPARTMENT OF MATHEMATICS

Association Activities:Science Club of Department of Science and Humanities and Desiya Chinthanai Kalagam, Tamil Nadu jointly organized an Online Webinar on "What is not taught in Engineering?" on 27.06.2020. Thiru Ma.Ko.Chi. Rajendran, Secretary of Desiya Chinthanai Kalagam felicitated the programme. Dr.V.Dillibabu, Scientist, DRDO and Director,National Design Research Forum, Bengaluru was the Chief Guest.



ROTARACT CLUB ACTIVITIES

- Rotaract Club of VCET conducted World Laughter Day online contest 'quotes, drawings and memes' with the theme Be Happy and Make Others Happy.
- Rotaract Club of VCET conducted 'Poem Writing and Photography' online Corona Awareness contest.

CONFERENCE / WORKSHOP / SEMINAR / FDP PROGRAMS ATTENDED BY FACULTY

- 126 programs were attended by faculty members in the department of Biomedical Engineering
- 212 programs were attended by faculty members in the department of Civil Engineering
- 478 programs were attended by faculty members in the department of Computer Science Engineering
- 328 programs were attended by faculty members in the department of Electronics and Communication Engineering
- 156 programs were attended by faculty members in the department of Electrical and Electronics Engineering
- 438 programs were attended by faculty members in the department of Information Technology
- 310 programs were attended by faculty members in the department of Mechanical Engineering
- 13 programs were attended by faculty members in the department of Medical Electronics
- 190 programs were attended by faculty members in the department of MBA
- 98 programs were attended by faculty members in the department of MCA
- 396 programs were attended by faculty members in the department of Science and Humanities.

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

Department of Biomedical Engineering

NPTEL Certification

Dr.P.Ravikumar and **Dr.R.Prabu** successfully completed NPTEL online certification course funded by the ministry of HRD, Govt. of India, IIT Kharagpur on the title 'NBA Accreditation and Teaching-Learning in Engineering'.

Ms.K.S.Kausalyadevi and **Mr.N.N.Baalakumar** successfully completed the NPTEL online certification (12 weeks) course funded by the ministry of HRD, Govt. of India, IIT Kharagpur on the title 'NPTEL- Medical Biomaterials'.

Ms.R.Indhumathi successfully completed the NPTEL online certification (8 weeks) course funded by the ministry of HRD, Govt. of India, IIT Kharagpur on the title 'Evolution of air interface towards 5G'.

Department of Civil Engineering

Dr. E.Ravi delivered a lecture in TEQIP III Sponsored one week STTP on 'Research Avenues Field Practices and Case Studies on Geotechnical Engineering' on 'Improvement of Weak soil by compaction and geosynthetics – A case study' at Government College of Technology, Coimbatore.

Dr. E.Ravi delivered a lecture in a webinar titled 'Geotechnical Investigation – Insitu Test' organised by Structural Engineer Association, Tirupur 09.05.2020.

NPTEL Certification

Mr.C.Pranesh has successfully completed an 8-week NPTEL On- line certificate course on 'Landscape Architecture and Site Planning – Basic Fundamentals'

.Ms.D.Dharani has successfully completed a 12-week NPTEL On- line certificate course on 'Maintenance and repair of Concrete Structures'

Conference Presented

Mr.D.Sakthivel and **Mr.S.Ramesh Kumar** presented a paper on 'A Study on Effect of Bacteria on Strength and Durability of Concrete' in National Conference on Innovations in Concrete and Construction 2020 at Sona College of Technology, Salem on 11.05.2020 and 12.05.2020.

Mr.C.Pranesh presented a paper on 'Mechanical Behaviour of Textile Concrete with Fly-Ash' in National Web Conference on "Recent Innovations and Advancements in Civil Engineering (RIACE-2K20) at Kongunadu College of Engineering and Technology, Trichy 12.06.2020.

Mr.D.Sakthivel and **Mr. S.Ramesh Kumar** presented a paper on 'Use of Municipal Solid Waste Incinerator as Bottom Ash Aggregate in Concrete' and 'Experimental Investigation on Partial Replacement of Cement, Sand, Aggregates as a Silica Fume, Quarry Dust and Construction demolition Waste' in International Web Conference on Smart Engineering Technologies 2020 at Ramco Institute of Technology on 26.06.2020 and 27.06.2020.

Department of Computer Science And Engineering

Dr.V.Latha Jothi attended the keynote address on 'AI Based Healthcare Systems' organized by the Department of Electronics and Communication Engineering, SSN College of Engineering, Kalavakkam on 12.06.2020.

Dr.S.Gokulraj, Ms.S.Poovizhi and Ms.S.Ponni successfully completed "Python Programming through INFYTQ Platform" course with A + grade by Infosys Limited on 25.05.2020 to 30.05.2020.

Ms.K.Vijaya attended TalentNext Wipro Certified Faculty Programme and cleared the assessment with excellent scores on 30.06.2020

Department of Electronics And Communication Engineering

Key note Address Delivered:

Dr. K.R.Valluvan and **Prof. P.Jayachandar** acted as a Technical Resource person in 3 Days Online Value Added Course titled Electronic Circuit Simulation-Proteus: One tool for all conducted by Department of ECE, VCET during 14.05.2020 to 16.05.2020.

Mr. M.Vijayan handled a session on 'Control System in Process Industries' in 5 Days Industry Institute Interaction Programme on "Recent trends & technologies in Academic Developments" conducted by Department of ECE, Velalar College of Engineering and Technology on 29.05.2020.

Mr. V.Gowrishankar handled a session on 'Simple Live Covid'19 Data Tracker using python and MIT App Inventor-2' in 15 Days Online Internship titled Machine Learning and Deep Learning Using Python Conducted by Pantech Solutions, Chennai in Association with Velalar College of Engineering and Technology on 14.06.2020.

Conference Presented

Mr. K.K.Pradeep presented a paper GSM based pre alert system for earth fall in a National Conference on 'Advanced Electrical, Computing & Communication Technology (AECCT 2020)' organized by Adithya Institute of Technology, Coimbatore on 05.06.2020.

Online Course

All ECE Faculty members completed online test on 'eSim-Software-open source EDA tool for circuit design Simulation, Analysis and PCB design' conducted by Spoken Tutorial Project, IIT Bombay on 12.4.2020.

Department of Electrical And Electronics Engineering Conference Presented

Mr.K. Rajaram, presented a Paper on 'IOT based Automatic Railway Track Crack Detection in National conference on Challenges and opportunities in industry 4.0 (COIN-2020)', at KSR.

Department of Information Technology

Key note address Delivered

Dr. V. K. Manavalasundaram acted as a resource person for the webinar 'Teaching beyond Curriculum' conducted by Vellalar College for Women, Erode from 24.04.2020 to 30.04.2020 and handled a topic 'Online Assessment Tool using Google Classroom'.

Online Course Completed

Ms. T. Nithya completed an online course on 'Blockchain Essence' on 06.04.2020 conducted by Block chain school.

Ms. T. Nithya completed an online course on 'Cloud Computing Basics' on 23.04.2020 through Course Era.

Six faculty members completed an online course on 'The fundamentals of Digital Marketing' on 22.04.2020 conducted by Google.

Fifteen faculty members completed online courses conducted by CISCO networking academy.

Department of MBA

Key note address Delivered

Dr.T.Vetrivel acted as Resource Person through Online at PPG School of Management, Coimbatore in the topic 'Entrepreneurship Development during Lockdown Period' on 06.05.2020.

Dr.D.Aarthi acted as Resource person through Online at VET Institute of Arts and Science, Erode in the topic 'Script your Success' on 13.05.2020

Dr.D.Aarthi acted as Resource person through Online at virtual convention of Lions MD 322, Kolkata in the topic 'Script your Success' on 04.06.2020.

Department of MCA

Key note address Delivered

Dr. V.Srinivasan acted as a resource person and delivered a lecture on 'Industry 4.0' for the four days Online Student Development Programme on Emerging Technologies conducted by department of MCA, VCET From 19.05.2020 to 22.05.2020.

Dr. K.R. Ananth acted as a resource person and delivered a lecture on 'Amazon Web Services' for the four days Online Student Development Programme on Emerging Technologies conducted by department of MCA, VCET From 19.05.2020 to 22.05.2020. He was also resource person for three other programs.

Ms. T.K. Kartheeswari acted as a resource person and delivered a lecture on 'DevOps' for the four days Online Student Development Programme on Emerging Technologies conducted by department of MCA, VCET From 19.05.2020 to 22.05.2020.

Mr. M. Govindarajan acted as a resource person and delivered a lecture on 'Role and Demand of 5G' for the four days Online Student Development Programme on Emerging Technologies conducted by department of MCA, VCET From 19.05.2020 to 22.05.2020.

JOURNAL PUBLICATIONS BY FACULTY MEMBERS

Department of Civil

Mr.C.Karthik, Ms.A.Anitha, Mr.S.Suresh and Mr.S.C.Sarath Kumar'Experimental study on High Performance Concrete using slag as Fine Aggregate', International Journal for Research in Applied Science and Engineering Technology, ISSN: 2321-9653, Vol 8, Issue IV April 2020.

Department of Computer Science Engineering

Dr.S.Jabeen Begum and Dr.V.LathaJothi published a paper on "Heart Diseases Prediction Using Machine Learning Techniques",GEDRAG &Organisatie review indexed in Web of Science and Care UGC, April-June 2020.

Dr.S.Sadesh published a paper on "Active Dynamic Key For Secure Data Transfer In Wireless Sensor Network", Journal of Mechanics of Continua And Mathematical Sciences (Web of Science), May 2020.

Dr.S.Sadesh published a paper on "Enhancing The Security Mechanism In Health Care Using Triple Des", International Journal of Engineering Research And Technology (IJERT), April 2020.

Ms.K.Vijaya published a paper on "Discriminative Authentication based Opportunistic routing in wireless sensor networks with trustworthy path mechanism", International Journal of new technology and research (IJNTR), April, 2020.

Ms.K.Vijaya published a paper on "Web based Interactive FM", Gedrag & Organisatie Review - ISSN:0921-5077, April, 2020.

Mr.S.Vivekanandan published a paper on "Privacy aware Data Deduplication in Cloud Storage", International Journal of Engineering Research & Technology, May 2020.

Mr.P.Sukumar published a paper on "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(IJIRCCE), March 2020.

Ten Faculty members presented paper in the International Journal of Research and Advanced Development

Seven Faculty members presented paper in the International Journal of Advanced Science and Engineering Research

Five Faculty members presented paper in the International Journal of Scientific Research and Engineering Development

Three Faculty members presented paper in the International Journal of Innovative Research in Science

Department of Electronics and Communication Engineering

Dr. M.Parimala Devi, Ms. T.Sathya, Mr. G.Boopathi Raja, 'Blood Vessel Segmentation in Fundus images and Detection of Glaucoma using SVM', International Journal for Scientific Research and Development, ISSN 2321-0613, Vol 8, Issue 2, pp 700-703, April 2020.

Mr. K.S.Murugesan, 'Real Time Vehicle Monitoring And Drowsiness Detection', International Journal of Advanced Science and Engineering Research, ISSN 2455-9288, Vol 5, Issue 1, June 2020.

Mr. N.Karthikeyan, 'Implementation of Smart Trolley System in Malls', International Research Journal of Engineering and Technology, ISSN 2395-0056, Vol 7, Issue 5, pp 5986-5990, May 2020.

Mr. S.Surender, 'IoT Based Electricity Generation from Overwhelmed Water Tank', International Journal of Innovative Research in Science, Engineering and Technology, ISSN 4535- 4541, Vol 9, Issue 6, pp 4535-4541, June 2020.

Department of Electrical and Electronics Engineering

Dr.P. Sakthivel, '120 MHz, 2.2mW Low power phase - locked loop using dual mode logic and its applications as frequency divider', International Journal of Gedragen Organisatie Vol.33, Issue.2, pp152-162, April.

Mr.D. Rajkumar, Dr.C. Gokul, 'Comparison of results of economic load dispatch using various meta-heuristic techniques', Journal European des Systems Automatisés (Scopus Indexed) Vol. 53, No. 2, pp. 289-295, April 2020.

Dr.P. Sakthivel, 'Analysis of overloading in trucks using Embedded Controller', International Journal of IEEE Conference ICESCS 2020 (Scopus Indexed) IEEE Xplore, June 2020.

Department of Information Technology

Dr. V. K. Manavalasundaram, 'Bookland – An Android Application for Rental Books', Gedrag & Organisatie Review, ISSN: 0921-5077, Vol. 33, Issue 02, pp. 1275-1280, May 2020.

Dr. R. Mynavathi, 'Quick Portable Attendance using Biometric Authentication', International Journal of Advanced Science and Engineering Research, ISSN: 2455-9288, Vol. 5, Issue 1, pp. 124 – 128, May 2020.

Keerthana N. V, 'My City Events-An Android Application', International Journal of Scientific Research and Engineering Development, ISSN: 2581-7175, Vol. 3, Issue 3, pp. 44-47, May 2020.

Keerthana N. V, 'SICRYPT: Certificateless Signature Cryptosystem using Enhanced Elliptic Curve Cryptography and Cuckoo Hashing for Mobile Payments', International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 3, Issue 4, pp. 3025 - 3035, June 2020.

Eight Faculty members presented paper in the International Journal of Innovative Research in Science

Fourteen Faculty members presented paper in the Gedrag & Organisatie Review in the May 2020 issue.

Department of MCA

Mr.P.Vijayakumar, 'Effective Content Based Pattern Predicted Text Mining Using PSE Model', International Journal of Advanced Intelligence Paradigms International, Volume 15, Issue 1, Pages 108-115, ISSN:1755-0394, 2020

Mr.P.Vijayakumar, 'Text Mining Preprocessing Techniques and its significance based on the Dataset', International Journal of Fuzzy Systems, Volume 12, Pages 13-15, ISSN 0974 – 9608, 2020.

Department of Physics

Mr. Thangaraj N & Ms. Aruna Christy T, 'Effect of Current Density on Electrodeposited Cobalt Ferrous Tungsten Phosphorus Magnetic Thin Films' Materials Today: Proceedings,

Ms. Devi S, Ms. Deepa Jananakumar, 'Growth, Structural, Optical and Thermal studies of Semi-Organic Nonlinear Optical Potassium Hydrogen Oxalate Single Crystal', Applied Physics A, ISSN 0947- 8396, Vol 126, Issue 6, pp 394, June 2020.

BOOK PUBLICATIONS

Department of Electrical and Electronics Engineering

Dr.C. Gokul, Dr.K. Vanchinathan, published book on 'Basic Electrical Engineering', by ESN Publisher, Chennai, March 2020, ISBN: 9788194515623.

RESEARCH ACTIVITIES

Patent

Dr. M. Pravinkumar filed a patent on the title 'Alcohol Detector Embedded in Vehicle's Seat Belt' on 29.04.2020. (Application Number: 202011018414)

Dr.C. Gokul, 'Harvesting Machine for Tapioca Vegetables', patent filing a application date :24.03.2020, publication date:22.05.2020, Application no:202041012787A.

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Dr.K. Vanchinathan 'Bat Algorithm Optimized Fractional Order PID Controller for Sensor less Speed Control of BLDC Motors Using Matlab Software', Registration Number: SW – 13364 / 2020, Diary Number: 357/2020-CO/SW, Published: 10.06.2020.

AWARD/RECOGNITIONS

Mrs.S.B.Abitha Has been awarded as certified virtual classroom teacher by Classle SKILLNET.

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