



# 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

At present we are living in a complex society, which provides us opportunities and challenges. In this pandemic time, it all depends on every individual – how one responds to the situation with the right mindset. I congratulate the faculty and students of all departments who used various modes of expression to present their ideas and talents. As long as our ideas are expressed and thoughts kindled, we can be sure of learning, as everything begins with an idea. I appreciate every student who participates in co-curricular and extracurricular activities along with their commitment to curriculum. We need better education to have better thoughts and to build a better society. I firmly believe that, every human being is endowed with various talents. I am pleased to bring to your notice that Velalar College of Engineering and Technology is one of the colleges which provides ample opportunities along with a value based wholesome quality education to nurture the inner potentials of every individuals.



### DEPARTMENT OF CIVIL ENGINEERING

#### Grant Received

Dr.E.Ravi, C.Karthikand & S.Sureshreceived a grant of Rs.3,19,667/- as a financial assistance from All India Council for Technical Education (AICTE), New Delhi for organizing Short Term Training Program on 'Geotechnical Engineering'.

#### Online Webinar Series

A Five Day Special Webinar Series on 'Modern Techniques, Importance of Sub-Structure and challenges in Construction Industry' in association with Institute of Engineers (India), Erode Local Centre was organised from 03.08.2020 to 07.08.2020. Dr.G.Ramasamy, Ph.D Formerly Professor, IIT Roorkee, Er.R.Mohanraj B.E, MIE, FIV., State Past President, Federation of all Civil Engineers Association of Tamil Nadu and Pondicherry were the resource persons.

### Guest Lecture

A seminar on 'Sustainable Technologies for Intelligent Water and Environmental Management' was organized on 25.09.2020 in association with Institute of Engineers (India), Erode Local Centre through Online mode. Dr.E.S.Karthy, Director, AWE CARE Analytical and Research Laboratories and Dr.P.Magesh Kumar, Associate Professor, K.S.Rangasamy College of Technology, Tiruchengode were the resource persons.

### Association Inaugural function

The Renowned Association of Civil Engineers, RACE was inaugurated through online mode on 17.09.2020. Dr.E.S.Karthy, Director, AWE CARE Analytical and Research Laboratories, Erode was the Chief Guest and also delivered a special lecture on 'Sustainable Waste water Treatment – Innovative Technology'.

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dr.S.Jabeen Begum, Dr.V.LathaJothi, and Dr.S.Kayalvili received a grant of Rs. 3,36,667 /- from AICTE for conducting Short Term Training Program on 'Internet of Things with Blockchain – Applications and Challenges'

### Association Activities

#### Webinar:

A Webinar on 'Data Analytics' was conducted on 03.08.2020. Mr. Ahamed Khalid, Vice President, Imarticus Learning was the resource person and also delivered a lecture on 'Opportunities in Data Analytics for Freshers'.

#### Technical Quiz:

Technical quiz on 'C Programming language' was conducted on 15.08.2020, through Online mode. Nearly 50 students participated and got benefited.

#### Coding Contest:

The Coding contest was conducted on 29.08.2020 through Online. The contest consists of three basic programming questions with default test cases to be passed.

#### Inaugural Function:

MAGNUMOPUS - Association of Computer Science and Engineering was inaugurated on 28.09.2020. Mr.Sundarmuthusamy, Platform Manager, AW/FW Execution, Intel Corporation, Austin, Texas, USA was the resource person and delivered a special lecture on 'Culture of Innovation'.

#### Placement Activities

Karthik Nannepamula got selected in Hexaware Technologies, Bangalore.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



### Industrial Training Program:

A 5-day National Level Online Industrial Training Program on 'Future Scope of Engineering in Global Development' was organized during 27.07.2020 to 31.07.2020. Mr.R.Jishnu, Ms.Y.Hemasri, Mr.Kamalesh, Ms.S.Saranya and Mr.A.Srinivasalu from Pantech Solutions Pvt. Ltd, Chennai handled the sessions. Totally 10,894 participants registered from 2046 colleges (35 States) and around 5000 participants successfully completed the program.

#### Webinar:

A Webinar on 'Relevance of IPT and Internships for Future Engineering Graduates' conducted on 29.08.2020. Dr. K.R. Valluvan, CoE and Professor/ECE, handled the session. Around 100 Students attended the webinar.

#### Value added course:

A 3-day Value added course on 'Industrial Applications of Signal and Image Processing using MATLAB' was conducted on 18.09.2020 to 20.09.2020.

Dr.M.Kalamani, Dr.S.Rajan,K.Kavitha from VCET and Mr.R.Jishnu & Mr. Vivek, Project Engineer, Pantech Solutions Chennai were the resource persons for the sessions. Totally 90 students attended the course.

#### E Sponsored STTP:

An AICTE sponsored STTP Series- I on 'Effective and Innovative Teaching, Best Practices and Learning Strategies' was conducted on 17.08.2020 to 22.08.2020.



An AICTE sponsored online STTP Series- II on 'Effective and Innovative Teaching, Best Practices and Learning Strategies' was conducted on 21.09.2020 to 26.09.2020.

### Association Activities

#### Webinar:

•A webinar on 'Basic Cybersecurity Training and Job Requirements' was conducted on 18.07.2020. Mr.Dharanidharan Subramaniyan, LogMeIn, Team lead - Information Security, Bangalore handled the session. Around 70 students attended the webinar.

•A Webinar on 'Automotive Embedded Systems' was conducted on 25.07.2020. Mr.LokeswaranSubramaniam, Software Lead, Lead SW developer, Bluebinaries, Chennai handled the session. Around 80 students attended the webinar.

#### Placement Activities

**R.Monisha** of Final year got placed in Hexaware Technologies, Chennai.

#### Students Activities

#### Inplant Training:

A 5-day Online National Level Industrial Training Program on 'Future Scope of Engineering in Global Development' in association with Pantech Solutions, Chennai was conducted from 27.07.2020 to 31.07. 2020. Around 650 students from Department of ECE attended.

#### Value Added Course

•A Ten Day online course on 'Application of Geo-informatics in Ecological studies' conducted by Indian Institute of Remote Sensing(IIRS), Indian Space Research Organization(ISRO), Department of Space, Government of India was organised from 13.07.2020 to 24.07.2020. 22 Students and one faculty member successfully completed the course.

•A Three Day online value added practical course on 'Industrial Applications of Signal and Image Processing Using MATLAB' in association with PANTECH Solutions, Chennai was conducted on 18.09.2020 to 20.09.2020. 96 Students participated in this course.

#### Industry Institute Partnership Program

•A webinar on 'Relevance of IPT and Internships for Future Engineering Graduates, was organised on 29.08.2020. by Industry Institute Partnership Cell and in association with ECE – CENIREA. 150 students participated and got benefited.



- Around 30 Students and Faculty members attended various webinars conducted by Pantech Solutions, Chennai in the latest topics in Engineering in the month of July, August and September 2020.
- 74 students participated in various webinars conducted by various Institutions in the month of July, August and September 2020.

- A Hands-on Training on 'Java Collection Framework' was conducted on 28.09.2020 for Third year students. Mr. C. RukmaniKhandhan, Associate Professor, Department of CSE, K.S.Rangasamy College of Technology was the resource person.



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Association Activities

#### Webinar:

- A Webinar on 'Career Guidance - The Roadmap for a Successful Career' was organized by Association of EMERFLUX on 18.07.2020. Mr.G.Anand Mohan, Technology Analyst, Infosys limited, Bangalore was the resource person.
- A Webinar on 'IoT and Industry 4.0 Opportunity Perspective' was organized by Association of EMERFLUX on 03.07.2020. Dr.T.Kalavathi Devi, Associate Professor, Kongu Engineering College, Perundurai was the resource person

## DEPARTMENT OF INFORMATION TECHNOLOGY

### Program organized by the Department

- A Six Day Short Term Training Program Series-1 on 'Deep Learning Applications and Challenges in Big Data Analytics' was conducted from 17.08.2020 to 22.08.2020.
- A Six Day Short Term Training Program Series-2 on 'Deep Learning Applications and Challenges in Big Data Analytics' was conducted from 07.09.2020 to 12.09.2020.



- A five day AICTE sponsored Training and Learning Faculty Development Program on 'Artificial Intelligence' was conducted from 24.08.2020 to 28.08.2020.

### Association Activities

- A One Day Online Students Orientation Programme was conducted on 10.07.2020 for the First year students. Dr. V. K. Manavalasundaram, Professor & HOD/IT handled the session.
- A webinar on 'Explore Machine Learning' was conducted on 08.08.2020 for the Second and Third year students.
- A webinar on 'Opportunities for Freshers in Data Science Industry' was conducted on 12.08.2020 for the Second and Third year students.



### Association Inauguration

- Mr. M. Deepan Raj, Embedded Software Engineer, Visteon Technical Services Centre, Chennai inaugurated the Students Association and also delivered a guest lecture on 'Introduction to Latest Technologies' on 22.09.2020.

### Placement-Training:

- TCS Code Vita training was conducted from 24.05.2020 to 01.06.2020 and 59 students got benefitted.
- Wipro PRP training was conducted from 22.06.2020 to till date and 44 students got benefitted.
- DXC training was conducted from 27.08.2020 to 04.09.2020 and 55 students got benefitted.

### Placement-Campus Drive:

- Acies Campus Drive was conducted on 28.08.2020 and 54 students attended.
- DXC Campus Drive was conducted on 15.09.2020 and 55 students attended.
- Kaar Technology Campus Drive was conducted on 27.09.2020 and 55 students attended.

### Student activities:

- 30 students attended an Industrial Training Program on 'Future Scope of Engineering in Global Development' conducted by Velalar College of Engineering and Technology, Erode from 27.07.2020 to 31.07.2020
- 4 students attended an online workshop on 'Algorithm and Backtracking' conducted by Velalar College of Engineering and Technology, Erode on 09.08.2020
- 78 students attended a webinar on 'Opportunities for Freshers in the Data Science Industry' conducted by Velalar College of Engineering and Technology, Erode on 12.08.2020
- 6 students attended an online workshop on 'Data Science and Face Detection' conducted by Velalar College of Engineering and Technology, Erode on 19.08.2020
- 32 students attended online workshops, webinar and hands-on training on various topics conducted by various Academies, host and other institutions during July to September 2020.
- Dharshini M of III Year participated in the Online Aryabhatta National Maths Competition conducted by All India Council for Technical Skill Development (AICTSD)

### Internship completed by students

- Dheekthana S of III Year completed the Internship program conducted by My Captain from 29.09.2020 to 30.09.2020

## DEPARTMENT OF MECHANICAL ENGINEERING

### Association Activities

#### Webinar:

- A Webinar on 'Automotive Braking Systems' was organised on 11.08.2020. Mr.K.Senthilkumar, Manager-Vehicle

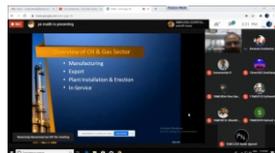
Dynamics, Continental Automotive Components Pvt Ltd, Bangalore delivered the automotive braking system methods and recent techniques.

### Five day- Webinar Series

A webinar series on 'Recent Trends in Mechanical Engineering' in association with 'The Institution of Engineers' Erode Local Chapter from 24.08.2020 to 28.08.2020 (5 days). Day-1: Automotive Interior/Exterior Product Development & Plastics, Day 2: Energy Management in Boiler and Compressors, Day 3: Internal Combustion Engines and Emission Control Technologies, Day 4: Ten Commandments for successful business venture, Day 5: Friction Stir Welding was organised for the benefits of the students.

### Webinar

A webinar on 'Career in Oil and Gas' was conducted on 01.10.2020. Mr.M.Jayaseelan, Technical director, Haasee Inspection Services, Coimbatore was the resource person and delivered the general ideas on oil and gas refining industries, exports and plant installation guidance.



### Placement Activities

- 83 final year students of batch 2017-2021 attended Virtual Campus Recruitment Drive M/s DXC Technologies, Chennai on 15.09.2020.
- 93 final year students of batch 2017-2021 underwent DXC Technologies specific training activities from 23.08.2020 to 20.09.2020 by Six phase Training Centre.
- 15 final year students of batch 2017-2021 attended Virtual Campus Recruitment Drive M/s Kaar Technologies, Chennai on 27.09.2020.

### Students Activities

- S.SivaSankar of III Year attended a webinar on 'Manufacturing Technology' at Sri Sai Ram Engineering College on 07.07.2020.
- S.Vimalanandhan of III Year attended a webinar on 'Future of Electric Bus and Clean Transportation' conducted by SAE INDIA on 03.10.2020.
- 17 students attended a one-day webinar in various topics conducted by various institutions.
- 2 students attended online workshop conducted by various institutions.
- 5 students attended technical quiz conducted by various institutions.

### DEPARTMENT OF MEDICAL ELECTRONICS

- A Webinar on 'Career Guidance: The Roadmap for a Successful Career' by Mr.G.Anand Mohan, Technology Analyst, Infosys Limited, Bangalore was conducted on 18.07.2020.

### Association Activities

- Teachers day was celebrated on 05.09.2020. On this day, technical events were conducted by the students for VCET staff members.

- A Webinar on 'Life Saver of Modern Humans' by Ms.Hemavathi Tamilmaran, Senior Project Engineer, Wipro Technologies, London was conducted on 07.09.2020. Around 71 students and 9 faculty members participated.
- A Quiz Contest was conducted on 12.09.2020. Around 165 students and 9 faculty members participated.
- On occasion of Engineers day, drawing and poster contest was conducted on 15.09.20. In this programme around 65 students participated.

### Students Activities

#### Webinar:

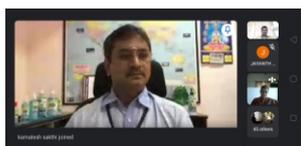
- A webinar on 'Python Programming' in association with Pantech E Learning, organized by Vignana Bharathi Institute of Technology was conducted on 11.07.2020. 6 students of Third year attended the webinar.
- A webinar on 'Brain Computer Interface Robot' organized by the Department of CSE, Mahatma Gandhi Institute of Technology in association with Pantech Elearning was organized on 12.07.2020. 6 students of Third year attended the webinar.
- 5 students of third year attended the webinar on 'Women Empowerment' organized by Department of Civil Engineering, SRM Institute of Science and Technology, Chennai on 27.07.2020.
- 5 students of third year attended the webinar on 'Foucault and the History of Ideas' Organized by Department of English, Kamaraj College, Thoothukudi on 03.08.2020.
- 10 students of third year attended a webinar on 'Life saver of Modern Humans' Organized by Department of Medical Electronics, Velalar College of Engineering and Technology on 07.09.2020
- 8 students of third year attended a webinar on 'Career Guidance-The Road Map for a Successful Career' Organized by Department of EEE and Medical Electronics, Velalar College of Engineering and Technology on 18.07.2020
- 20 students attended the "Quiz Contest" Organized by Department of Medical Electronics, Velalar College of Engineering and Technology on 12.09.2020
- 15 students attended a 5-day National Level Online Industrial Program on 'Future Scope of Engineering in Global Development' Organized by Department of ECE, Velalar College of Engineering and Technology in association with Pantech Solutions on 27.07.2020 to 31.07.2020
- Kousik. R of II Year participated in 'Artificial Intelligence with Machine Learning' Organised by IISC of Bangalore on 11.07.2020 & 12.07.2020.
- Initha .C of II Year participated in webinar on 'Person Identifier Using Python And Opener' Organised by Andhra Loyala Institute of Engineering and Technology on 14.07.2020.
- Dharani G, Moulika M, Suchetha E and Kowsalya .K of II Year participated in the webinar on 'Women Empowerment' Organised by SRM institute, Chennai.

- Jeevitha M, Srivarshini M of II Year participated in the webinar on 'Effective communication skills' Organised by SA Engineering College on 15.09.2020.
- Kousik R of II Year participated in the Online E-talk of 'Health care post covid-19' Organised by KDK college, Nagpur on 01.08.2020.

## DEPARTMENT OF MBA

### WEBINAR

- A Webinar on 'Personal Finance to Overcome Uncertainties and Career Planning in Finance –Post Covid'19' was organised on 08.08.2020. Shri. V.S. Binu, Certified Financial Planner (CFP) & Senior Process Associate –UST Global, Cochin, Kerala was the resource person.
- A webinar on 'Resources and Skills Set for Entrepreneurship' was organised on 26.08.2020. Shri. P. Nandakumar, National Trainer of Junior Chamber International India (JCI), Managing Partner of Maya Bazaar Restaurant & Bubbles for Kids and Women, Erode was the resource person.



- A Seminar on 'Professional Skill Development(PSD)' was organised on 28.08.2020.

- A Webinar on 'Ideas & Opportunities for Entrepreneurship' on 21.09.2020. Shri. V.P.S.Radhakrishnan, Managing Director -Angel Starch and Food Private Limited & FOODIX, Erode was the resource person.

## DEPARTMENT OF MATHEMATICS

### Association Activities

Department of Mathematics 'Colloquium' organized an Online Quiz Competition for Second Year B.E/B.Tech Students on 26.08.2020 to 27.08.2020. The event was conducted by Dr.K.Rathi, Ms.R.Thilagavathi and Mr.K.Vetri. E-Certificates were given to the students who secured above 60%.

## DEPARTMENT OF ENGLISH

### Faculty Development Programme

A Six Day online Faculty Development Programme was organized on 'Soft Skills' from 17.08.2020 to 22.08.2020 for the enrichment of VCET faculty members.

## DEPARTMENT OF CHEMISTRY

### Programs Organized

Department of Chemistry organized a Webinar on 'E-Waste - Global Challenges and Indian Scenario' on 09.09.2020. Dr.S.K. Kavitha, Assistant Professor, Department of Chemistry, Vellalar College for Women, Erode was the resource person.

## DEPARTMENT OF PHYSICS

### Programs organized

A webinar on 'Role of Liquid Crystals in Day-to-Day Lifestyle' was organized on 03.09.2020. Dr. V.N. Vijayakumar, BIT, Sathyamangalam was the resource person.

### Rotaract Club Activities

Totally 12 programs were conducted by Rotaract Club Activities

## CONFERENCE / WORKSHOP / SEMINAR / FDP PROGRAMS ATTENDED BY FACULTY

- 45 programs were attended by faculty members in the department of Civil Engineering
- 224 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
- 136 programs were attended by faculty members in the department of Electrical and Electronics Engineering
- 180 programs were attended by faculty members in the department of Information Technology
- 88 programs were attended by faculty members in the department of Mechanical Engineering
- 35 programs were attended by faculty members in the department of Medical Electronics
- 31 programs were attended by faculty members in the department of MBA
- 12 programs were attended by faculty members in the department of MCA
- 139 programs were attended by faculty members in the department of Science and Humanities.

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

### Department of Civil Engineering

**Dr.E.Ravi**, delivered a keynote address on webinar series titled 'Modern Techniques, Importance of Sub-Structure and challenges in Construction Industry' on 03.08.2020 organized by VCET in association with Institute of Engineers (India), ELC.

### Department of Computer Science And Engineering

**Dr. S. Jabeen Begum** acted as a resource person of AICTE-STTP 'Effective and Innovative Teaching, Best Practices and Learning Strategies – Series 1& 2' organized by Dept. of IT, Velalar College of Engineering and Technology, Erode.

**Dr. S. Jabeen Begum** acted as a resource person of AICTE STTP 'Deep Learning Applications and Challenges in Big Data Analytics – Series 1' organized by Dept. of ECE, Velalar College of Engineering and Technology, Erode.

**Dr. V. LathaJothi** delivered a lecture on 'Overview of Machine Learning' at Velalar College of Engineering and

Technology in AICTE - STTP on 'Deep Learning Applications and Challenges in Big Data Analytics- Series 1' on 17.08.2020

**Dr. S. Devi Suganya** acted as a resource person in the AICTE-STTP 'Effective and Innovative Teaching, Best Practices and Learning Strategies – Series 1 & 2' on 'Evolution of Deep Learning Algorithms' organized by Dept. of IT, Velalar College of Engineering and Technology, Erode

**Dr. S. Jabeen Begum** acted as a resource person of AICTE STTP 'Effective and Innovative Teaching, Best Practices and Learning Strategies – Series 2' organized by Dept. of ECE, Velalar College of Engineering and Technology, Erode.

**Dr.S. Kayalvili** acted as a resource person of AICTE-STTP 'Effective and Innovative Teaching, Best Practices and Learning Strategies – Series 2' on 'Interactive Classroom' organized by Dept. of ECE, Velalar College of Engineering and Technology, Erode on 24.09.2020.

### Department of Electronics And Communication Engineering

**Prof.L.Peter Stanley Bebington**, Dr.K.R.Valluvan, Dr.M.Nisha Angeline, Dr.M.Kalamani and Dr.S.Mahendrakumar acted as a resource person in the one week AICTE sponsored STTP on 'Effective and Innovative Teaching, Best Practices and Learning Strategies – Series I and Series II'.

### Conference Presented

**Dr.M.Kalamani** presented a papertitled'Systematic Approach to facilitate Green Mobility in Communication Networks' in an International Conference on Technologies for Green Mobility organized byDepartment of Automobile Engineering, Bannari Amman Institute of Technology on 26.09.20.

**Dr.M.Parimala Devi**, G,Boopathi Raja and T.Sathyapresented a paper titled 'Leakage Characterization of Read Decoupled 10T SRAM cell' in an International Web conference on Innovations in Communications and Computing organized by Velammal College of Engineering and Technology, Madurai on 05.10.2020.

**K.K.Pradeep** presented a paper titled 'GSM Based pre alert system for earth fall' in the National Conference on 'Advanced Electrical, Computing & Communication Technology' organized by Adithya Institute of Technology (Web Conference), Coimbatore on 05.06.2020.

**M.Ruba** presented a paper titled 'A Low Powered Wireless Transceiver incorporated ECG Processor for Cardiac Arrhythmias' in the National Conference on Recent Advances in Technology & Engineering organized by Vemu Institute of Technology(Web Conference), Chittooron 20.08.2020.

### Department of Information Technology

**Dr. R.Mynavathi** acted as a resource person for the AICTE sponsored STTP series-1 'Deep Learning Applications and challenges in Bigdata Analytics', conducted by Velalar College of Engineering and Technology, Erode from 11.08.2020 to 16.08.2020 and handled a topic 'Introduction to Bigdata'.

**Dr. R.Mynavathi** acted as a resource person for the AICTE sponsored STTP series-2 ' Deep Learning Applications and challenges in Big Data Analytics' conducted by Velalar College of Engineering and Technology, Erode from 07.09.2020 to 11.09.2020 and handled a topic 'Data Management towards Big DataAnalytics-MongoDB'.

**Dr. V. Srinivasan** acted as a resource person for the AICTE sponsored STTP series-20' Deep Learning Applications and challenges in Big Data Analytics' conducted by Velalar College of Engineering and Technology, Erode from 07.09.2020 to 11.09.2020 and handled a topic 'Big Data Tools'.

### Department of Mechanical Engineering

**Dr.A.Thirumoorthy** 'Thermal Analysis of Hybrid Composite Brake Disc Using ANSYS' in an International Virtual Conference of Recent Innovations in Science, Engineering and Technology conducted by M.Kumarasamy College of Technology on 03.07.2020.

**R.Prakash**, 'Experimental Analysis to Enhance the Efficiency of Solar Flat Plate Collector in Solar Water Heating System' in an International Virtual Conference of Recent Innovations in Science, Engineering and Technology conducted by M.Kumarasamy College of Technology on 03.07.2020.

### Department of MBA

**Dr.D.Aarthi** acted as a resource person in AICTE sponsored STTP Program and delivered a lecture on the topic, 'Art of Effective Teaching' Organized by Department of Electronics and Communication Engineering, Velalar College of Engineering and Technology, Erode on 18.08.2020.

**Dr.T.Mohanapriya** acted as a resource person and delivered a lecture on the topic, 'Investor Awareness Programme on Capital Market' Organized by Department of Management Studies, Nandha Engineering College, Erode on 03.07.2020.

**Dr.T.Mohanapriya** acted as a resource person and delivered a lecture on, 'Investor Awareness Programme on Capital Market' Organized by Department of Management Studies, M.Kumarasamy College of Engineering, Karur on 25.07.2020.

**Dr.T.Mohanapriya** acted as a resource person and delivered a lecture on the topic, 'Financial Literacy and Share Market Awareness Program' Organized by Department of Management Studies, Muthayammal College of Arts and Science, Rasipuram on 30.07.2020.

**Dr.T.Mohanapriya** acted as a resource person and delivered a lecture on the topic, 'Fundamentals of Capital Market'

Organized by Department of Management Studies, Karur Velalar College of Arts and Science (For Women), Karur on 08.08.2020.

**Dr.T.Mohanapriya** acted as a resource person and delivered a lecture on the topic, 'Financial Literacy Programme' Organized by Department of Management Studies, Excel Engineering College, Kumarapalayam on 14.08.2020.

•**Dr.T.Mohanapriya** acted as a resource person and delivered a lecture on the topic, 'Investors Awareness Programme' Organized by Department of Management Studies, Gnanam Business School, Thanjavur on 17.09.2020.

**R.Moorthi** acted as a resource person and delivered a lecture on the topic, 'Creativity in Business' Organized by Department of Management Studies, Tirupur Kumaran College, Tirupur on 21.08.2020.

#### Conference Presented:

**Dr.D.Muthukrishnaveni** presented a paper in AICTE Sponsored International E-Conference on the topic 'COVID-19 Impact: Major issues and challenges faced by students of rural India in the digitalization' Organized by Department of Management Studies, Nandha College of Technology, Erode on 15.09.2020.

#### Department of MCA

**Dr. P. Navaneetham** acted as a resource person for AICTE sponsored STTP for Series I & II and delivered a lecture on 'Real time applications of Deep Learning' from 22.08.20 and 09.09.20 through online mode.

**Dr.V.Srinivasan** acted as a resource person and delivered a lecture on 'Big Data Tools' for the AICTE Sponsored Online Short Term Training Programme (STTP) Series- I "Deep Learning Applications and Challenges in Big Data Analytics" from 17.8.2020 to 22.8.2020.

#### Department of English

**Dr.S. Hemalatha** delivered a Guest lecture on 'Personality Development' organised by VCET on 17.08.2020.

**B. S. Gomathi** delivered a Guest lecture on 'Soft Skills' organised by VCET on 22.08.2020.

**V. Suguna** delivered a Guest lecture on 'Facilitation Skills and Storytelling' organised by VCET on 21.08.2020.

**S.TamilSelvi** delivered a Guest lecture on 'Business Communication' organised by VCET on 18.08.2020.

**D. Mythily** delivered a Guest lecture on 'Interview Skills' organised by VCET on 20.8.2020.

**K. Gayathri** delivered a Guest lecture on 'Presentation Skills' organised by VCET on 19.08.2020.

#### Department of Physics

**Dr. N. Thangaraj** acted as a Special Invitee for 'Kana' believe to achieve programme conducted by Navarasam Arts and Science College for Women on 30.09.2010.

**S.Devi** presented a paper on 'Effect of L-valine on

potassium hydrogen oxalate single crystal' in the International conference on "Recent Innovation in Science, Engineering and Technology- ICRASET" organized by Jeppiaar Institute of Technology, Sriperumbudur from 24.07.2020 to 25.07.2020

#### JOURNAL PUBLICATIONS BY FACULTY MEMBERS

##### Department of Computer Science Engineering

**D. Lavanya**, 'Adverse Drug Reaction Analysis Using Support Vector Machine Model', International Research Journal of Modernization in Engineering Technology and Science, e-ISSN: 2582-5208, Vol.:02, Issue:08, August 2020.

**S.Ponni**, 'Trusted Cloud based Storage and Retrieval Process using Symmetric Searchable Encryption', International Journal of Engineering Research & Technology (IJERT), Vol:8, Issue 12, pp-30 to 34, ISSN: 2278-0181, July 2020.

**S.Vishnupriya**, 'An Iterative Mapreduce based Frequent Subgraph Mining Algorithm with Load Balancing', International Journal of Engineering Research & Technology (IJERT), July 2020.

##### Department of Electronics and Communication Engineering

**Dr.K.R.Valluvan**, 'Design and implementation of cascaded H-Bridge multilevel inverter using FPGA with multiple carrier phase disposition modulation scheme', International Journal -Microprocessors and Microsystems, ISSN 0141-9331, Vol. 76, July 2020.

**Dr.S.Rajan**, 'Intelligent Shopping Cart with Online Payment for Futuristic Shopping Experience', International Research Journal of Engineering and Technology, ISSN 2395-0072, Vol. 7, Issue 5, pp 405 – 409, May 2020.

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**S.Nachimuthu**, 'Assessment of signal denoising algorithms using weighted spectral slope', Journal of Seybold Report, ISSN 1533-9211, Vol.15, Issue 9, pp373 – 377, Sep 2020.

**Dr.V.Gowrishankar**, 'IoT based Smart Safety Purse', International Journal of Innovative Research in Computer and Communication Engineering, ISSN 2320-9801, Vol.8, Issue 6, pp 34 – 43, June 2020.

### Department of Information Technology

**Dr. V. K Manavalasundaram**, 'QR Based Automatic Penalty Charging for Violation of Traffic Rules', International Journal of Innovative Research in Science, Engineering and Technology, ISSN:2319-8753, Vol. 9, Issue 08, pp.7212-7215, August 2020

**Dr. M. Kavitha**, Ms. R. Menaka 'Geo Tracking System Using Xamarin Approach', International Journal of Scientific and Technology Research, e- ISSN: 2277-8616, Vol. 9, Issue 09, pp.3095-3100, September 2020.

### Department of Mechanical Engineering

**G.Raja**, 'Experimental Investigations of Vibration and acoustics signals in milling process using kapok oil as cutting fluid' Mechanics & Industry, ISSN 2257-7777, Volume-21, Issue-5, August 2020.

### Department of Medical Electronics

**Dr.M.Pravin Kumar** (August 2020), 'Development of Arduino Based Cost Effective and Securable Voting Machine', International Journal of Engineering, Research and Technology (IJERT) RTICCT, Vol. 8, Issue 12, pp. 35-37.

**R.Dhivya**' Assessment of speech Denoising Algorithms using weighted spectral slope' Vol.25, September Issue 9 - 2020 – S.No.50, Pages: 468-472, ISSN NO: 1533-9211. (Scopus & UGC Care II)

### Department of MCA

**T.K.Kartheeswari**, 'Geo Tracking System Using Xamarin Approach', International Journal of Scientific and Technology Research, e- ISSN: 2277-8616, Vol. 9, Issue 09, PP.3095-3100, September 2020.

### Department of Physics

**S. Ranjitha**, ' Synthesis and Development of Novel Sensitizer from Spirulina Pigment With Silver Doped TiO<sub>2</sub> Nano Particles for Bio-Sensitized Solar Cells', Biomass and Bioenergy ,Vol. 141, pp 105733, October 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

#### Award of PHD

**S. Kayalvili**, completed her Doctoral Degree from Anna University, Chennai, on 7.09.2020. Her research title is 'Improving Quality of Service for Resource Allocation in Double Auction Mechanism using Modified Heuristic Techniques'. She has published 4 research papers in National and International Journals.



**Mr.V.Gowrishankar**, Assistant Professor/ECE has completed his Ph.D. degree from Anna University, Chennai during September 2020. His research areas of interest include low Power Embedded Devices, Open Source Hardware, Internet of Things, Wireless Sensor Networks, Low Power System on Chip, Optimization of Analog to Digital Conversion in Deep-Submicron Technologies. He has published more than 30 publications in Scopus indexed journals and conference proceedings.



Two Ph.D candidates under the supervision of Dr. K. Venkatachalam completed the viva-voce examination in September 2020.

#### Patent

**Dr.M.Kalamani**, published a patent on 'Smart Walking Stick for Sightless People' on 07.08.2020. (Patent Reg. No.202041032056)

**Dr.S.K.Manikandan**, filed a patent 'Alcohol detector embedded in vehicle's seat belt', published on 19.06.2020, file number: 202011018414, publication number 25/20.

**Dr.T.Mohanapriya** and **Dr.D.Aarthi** 'A Customer Segment Analysis Tool for Cosmetics Products', Patent filing an application date: 22.04.2020, Publication Date: 05.06.2020, Application Number: 202041017339 A.

#### Copyright

**Dr.M.Parimala Devi**, G.Boopathi Raja, V.Gowrishankar, Dr.P.Brindha, T.Sathya, Dr.K.R.Valluvan and M.Vijayan registered a copyright on 'NOR based architecture for data matching encoded with error correcting codes in cache memory'. (Diary No: 1377/2020-CO/SW)

### AWARD / RECOGNITIONS

**Dr.D.Muthukrishnaveni** has been awarded as 'Lead Outstanding Faculty in Management' by Lead Researchers Forum, Coimbatore on 19.09.2020.

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