

Velalar College of Engineering and Technology

(Autonomous)

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

Thindal, Erode - 638 012.



NEWSLETTER

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Message from the Principal

I am delighted and excited and moving forward into the Period of October to December 2020 and our students and faculty members have become professionals at virtual learning. We have mastered the art of teaching and learning online. Thanks to the hard work of our Students and Teaching community. We know that virtual learning is not ideal, but we can truly say we are making the best of it. I feel so fortunate to be part of this community of students, parents, and Faculty members, all of whom are united in a desire to provide the very best environment for each individual student. Our commitment to our students has not changed and faculty members continue to work hard to master new technology skills to improve students learning experience. Please keep up the great work you have done so far with getting your students online and creating the best learning environment for them.



DEPARTMENT OF BIOMEDICAL ENGINEERING

Programs Organized:

In association with IEEE student branch and Department of EEE, BME organized an International academic collaborative Webinar on 'Circuit simulation and compact modeling beyond device physics' through Zoom meeting and was streamed live in YouTube. The lecture was given by Man Sun Chan, Alex Wong Siu Wah Gigi Wong Fook Chi Professor of Engineering Chair Professor, Department of Electronics and Computer Engineering, The Hong Kong University of Science and Technology, Hong Kong.

AICTE sponsored seven days Online STTP on Machine Learning Techniques for Medical and Healthcare Applications - Season I. Dr.U.Srinivasalu Reddy, Assistant Professor, Department of Computer Application, National Institute of Technology, Trichy was the Chief Guest and resource person. He gave a detailed talk on 'Machine learning algorithms for health care applications'.

DEPARTMENT OF CIVIL ENGINEERING

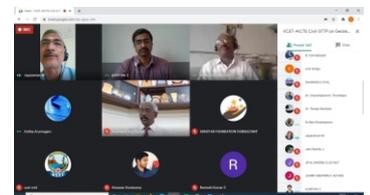
Programs organized

STTP Phase-I

An AICTE sponsored six-day online Short Term Training Program (STTP) Phase –I on 'Geotechnical Engineering' was conducted from 26.10.2020 to 31.10.2020.

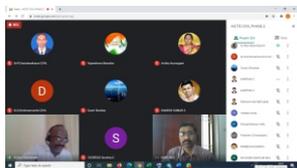
STTP Phase-II

An AICTE sponsored six-day online Short Term Training Program (STTP) Phase –II on 'Geotechnical Engineering' was conducted from 14.12.2020 to 19.12.2020.



Association Activities

An Intra department meet was organized by Students association 'RACE' on 05.11.2020. All the students enthusiastically participated in the events like Paper presentation, Technical Quiz and CADD contest and the winners were awarded with prizes.



Students Activities

NPTEL Certification

- S.V.Rashika of final year was awarded Gold+Topper (5%) certificate, Six students of final year were awarded Elite+Silver certificate and seven students of final year were awarded Elite certification in NPTEL Online Certification Course 'Remote Sensing Essentials' conducted by MHRD, Gov. of India and IIT Roorkee

Internship Training

- Sixty students of final year (Batch: 2016-2020) have successfully completed the Internship for a period of 28 days in the companies viz. Kudankulam Nuclear Power Project-Kudankulam, MV Firms, Memana Builders, Kerala, Vel Construction, RPC Construction, Giri Aravind Associates, Pantech solutions, Selva Ganapathi Construction and Surya builders and land promoters, Erode.
- Six students of second year and seventeen students of third year attended the NPTEL Online Certification conducted by MHRD, Govt. of India and IIT Madras.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programs organized

Dr.S.Jabeen Begum, Dr.V.Latha Jothi, Dr.S.Kayalvili organized the AICTE sponsored STTP Phase I on "IoT with Blockchain - Applications and Blockchain" from 30.11.2020 to 05.12.2020.

Dr.S.Gokulraj received a grant from AICTE-ATAL Rs.93000. A five day AICTE sponsored Training and Learning Faculty Development Program on Augmented Reality (AR)/Virtual Reality (VR) was conducted from 07.12.2020 to 11.12.2020.

Association Activities

THE WEB-DEV BATTLE

The Web Development Battle was conducted from 09.10.2020 to 17.10.2020. Nearly 45 students have registered and participated actively.

Webinar

The Webinar was conducted on "How to be a Fungible Engineer" on 24.10.2020. The function was honored by Mr. Vivek Ramamoorthy, Software Dev Manager, Seattle, USA.

Placement Activities

- 11 students got placed in DXC Technologies.
- 6 students got placed in TCS,
- 3 Students got placed in CTS.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Programs organized

Online STTP :An AICTE sponsored online STTP Series- III on 'Effective and Innovative Teaching, Best Practices and Learning Strategies' from 19.10.20 to 24.10.20.

Value Added Course

A one-week online Value-added practical course on 'Digital Electronics for Industrial Applications' was conducted from 02.11.2020 to 08.11.2020. 154 ECE students attended and successfully completed the course.

Association Activities

Inaugural Function of ECE Students' Association CENIREA and IETE students' forum was conducted on 23.10.2020. Er. B.Rajesh Kumar, Second Engineer, TCI seaways, Transport Corporation of India, Chennai was the chief guest and delivered the inaugural address & special lecture on 'marine opportunities'. All ECE students participated in the program.

Placement Activities

30 students got Placed in DXC. 23 students got Placed in Cognizant Technology Solutions. 8 students got Placed in Tata Consultancy Services. One student got placed in ZifoRnd solutions Pvt Ltd. 1 student got placed in Wipro technologies PRP. 4 students got shortlisted for next round in Tech mahindra. 2Pre Final year ECE students got shortlisted for Wipro technologies Future Skills. Totally ECE students got 63 MNC offers.

Students Activities

Conference:

Ms. A.Shalini of II M.E., Applied Electronics presented a paper in the International Virtual Conference on Artificial Intelligence For Smart Community (IVC- AISC 2020) conducted by Dr.NGP Institute of Technology on 17.12.2020.

Student Internship:

K.R. Jhanani and E. Sathishkumar of second year ECE has completed the Industrial Internship Program on 'Internet of Things with Machine Learning using Python' conducted by STEP – National Institute of Technology, Surathkal in association with Pantech e – Learning from 14.09.2020 to 17.10.2020.

Around 164 Students attended the '30 days Webinar Series on AI Master Class (Python)' organized by Andhra Pradesh state Skill Development Corporation and Pantech Prolabs India Pvt. Ltd., from 5.10.2020 to 03.11.2020.

Industry Institute Partnership Program

Three batches (5 Students and 2 Faculty Guide per batch) has successfully submitted their ideas for Swadeshi Microprocessor Challenge in the month of November 2020.

10 Students and 3 Faculty members have successfully completed the five days Online Certificate course on 'Image Processing using MATLAB' Organized by Andhra Pradesh state Skill Development Corporation and Pantech Prolabs India Pvt. Ltd., from 02.11.2020 to 06.11.2020.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Programs organized

An AICTE sponsored six-day online Short-Term Training Program on 'Solar Energy Conversion Systems: Technologies, Design and Applications', Slot 1 was conducted from 21.12.2020 to 27.12.2020.

Mr.K.Rajaram, IEEE SB branch counsellor received Rs.18750/- as rebate from IEEE Madras section to IEEE Student Branch, VCET in recognition to membership, activities and reporting for the year 2020.

Association Activities

EMERFLUX- Association of Electrical and Electronics Engineering was inaugurated through online mode on 07.10.2020. Mrs. Barvathavarthini Sivaprakasam, (VCET Alumni- EEE, 2005), Senior Data Architect, Wipro UK, London was the chief guest.

Guest Lecture

A Guest Lecture on 'Recent Trends in Power System,' was conducted on 07.10.2020. Mrs. Barvathavarthini Sivaprakasam, (VCET Alumni- EEE, 2005), Senior Data Architect, Wipro UK, London delivered the lecture.

Webinar

Webinar on 'Real time implementation of voltage regulation of Power System using the SPACE simulator', was organized by Association of EMERFLUX on 16.10.2020. Dr. R. Ramya, Assistant Professor (OG), Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Kattankulathur Campus was the resource person.

Short Term Training Program

A-Six day Short Term Training Program on 'Solar Energy Conversion Systems: Technologies, Design and Applications' was conducted from 21.12.2020 to 27.12.2020.

Placement Activities

- Four students got placed in DXC Technologies
- Three students got placed in CTS Technology Solutions.

DEPARTMENT OF INFORMATION TECHNOLOGY

Program organized

A Six day Short Term Training Program Series-3 on 'Deep Learning Applications and Challenges in Bigdata Analytics' was conducted from 05.10.2020 to 10.10.2020.



Association Activities

- A webinar on 'Innovative Entrepreneurs' was conducted on 21.10.2020 for the benefit of Second, Third and Final year students.
- A Hands-on Training on 'Lambda Expression - An Industry Perspective' was conducted on 23.10.2020 for the benefit of Third year students.
- Quiz competition on 'Tech whiz- A Coding Quiz' was conducted on 29.10.2020 for the benefit of Third and Final year students.

• A Guest Lecture on 'Turing Machine' was conducted on 09.11.2020 for the benefits of Third year students. The session was handled by Dr. V. Kavitha, Associate Professor/CSE, SRM Institute of Science and Technology, Chennai



Placement-Activities:

- Harini M, Kaviya K, Khavya S, Malarvizhi M and Sudha G P of Final year have got placed in DXC. Technology,
- Khavya S and Tharachandar B of Final year have got placed in Kaar Technologies.
- Harini M, Khavya S, Sanjana R, Thiriveni V of Final year have got placed in Cognizant Technology Solutions.

Placement-Training:

- Job Readiness program is going on from November to till date and 68 students got benefitted.

Student activities:

- 3 students attended an Industrial Training Program on 'Arduino Master Class' conducted by Pantech Prolabs India Pvt ltd., Erode from 30.11.2020 To 14.12.2020
- 1 student attended an online webinar on 'Blockchain, Innovation, Industry AI Solutions & Application Security to DevOps' conducted by IIT, Chennai from 07.12.2020 To 09.12.2020

NPTEL certification

- 5 students have completed the NPTEL online certification course on 'Management Information System'. (2 students- Elite, 1 student- Elite+ Silver)
- 26 students have completed the NPTEL online certification course on 'Social Networks'. (12 students- Elite, 10 students- Elite+ Silver)
- 16 students have completed the NPTEL online certification course on 'Introduction to Internet of Things'. (7 - Elite)
- 1 student has completed the NPTEL online certification course on 'Programming in Java' and awarded 'Elite'.
- 45 students have completed the NPTEL online certification course on 'Introduction to Industry 4.0 and Industrial Internet of Things'. (23 students- Elite, 19 students- Elite+ Silver)

DEPARTMENT OF MECHANICAL ENGINEERING

Association Activities

Webinar: Organized a webinar on 'Career in Oil and Gas' on 01.10.2020. Mr. M. Jayaseelan, Technical director, Haasee Inspection Services, Coimbatore delivered the general ideas on oil and gas refining industries, exports and plant installation guidance.

Guest Lecture: Organized a guest lecture on 'Design & Development of systems for Preparation of High Pure Gallium & Indium and their Materials and Devices for Advanced Electronic Applications - A Bird's Eye View' on 20.11.2020. D V.N. Mani, Centre for Materials for Electronics Technology (C-MET), Dep. of Electronics & Information Technology, Govt, of India, Hyderabad was the chief guest.



Workshop:

- Organized a workshop on 'Design Now workshop on Autodesk Fusion 360 – Design and Drafting on 24.11.2020. Mr. Deviyaprasanth, Senior Technical Trainee, ICT Academy delivered the effective usage of drafting tools in Autodesk fusion 360 software.
- Organized a workshop on 'Design Now workshop on Autodesk Fusion 360 –Modelling on 03.12.2020. Mr. Deviyaprasanth, Senior Technical Trainee, ICT Academy gave an online hands on training for modeling tools available in Autodesk fusion 360 software.



Placement Activities:

- 77 Final year students of batch 2017-21 have attended Kaar Technologies Pvt Ltd drive held on 05.10.2020.
- 89 Final year students of batch 2017-21 have undergone CTS Specific training activities from 03.10.2020 to 17.10.2020 by Six Phrase Training Academy.
- 89 Final year students of batch 2017-21 have attended Cognizant Technology Solutions drive held on 18 & 19.11.2020. Out of 89, one student got placed.
- 93 Final year students of batch 2017-21 have undergone TCS Specific training activities from 19.10.2020 to 23.10.2020 by Six Phrase Training Academy.
- 93 Final year students of batch 2017-21 have attended Tata Consultancy Services drive held on 24.10.2020.
- 55 Final year students of batch 2017-21 have attended ZifoRnd solutions Pvt., Ltd., held on 10.11.2020.

Students Activities:

- T.Santhosh, Final year B.E. Mech. attended online webinar on "Kinetic Energy Recovery System in EV" conducted by SKYY Rider Institutions on 28.11.2020.
- S.Vimalanandhan & P.Karthikeyan, Third year B.E. Mech. attended Online lecture meeting on " Future of Electric Bus and Clean Transportation " conducted by SAEISS Erode Division on 03.10.2020
- 25 students attended one day webinar in various topics conducted by various institutions.
- 6 students attended online workshop conducted by various institutions.
- 28 students attended technical quiz conducted by various institutions.

DEPARTMENT OF MEDICAL ELECTRONICS

Programs organized

A Five day student development Webinar programmeseries on “Internal Medicine in Healthcare” was organized from 13.10.2020 to 17.10.2020.

Association Activities

- Students' Association Medieclitex, Med Tech Club, BMESI & SBE Students' Forum were inaugurated on 02.10.2020. Ms. B.S. Sharomena Arthi, M.E., Associate Manager, Novartis Healthcare Private Limited, Hyderabad was the chief guest and delivered a special lecture on “Scope of Medical Engineers in the field of medical device regulation”.

- An awareness webinar on “Creating awareness on eyecare” was conducted on 08.10.2020. Dr.J.Elavarasan, Senior Consultant, Ophthalmologist was the resource person and delivered lecture on awareness about blindness and vision impairment issues.
- A Technical Webinar on “Arduino Programming” was organized on 06.11.2020. Mr.Jeevanantham Arumugam, Assistant Professor, Kongu Engineering College, Perundurai was the resource person and delivered a lecture on Arduino Interfacing And Peripheral Devices.

Students Activities

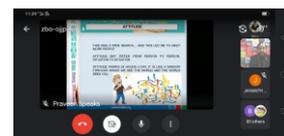
webinar:

- R.Saranya, Jesslin Francis of Third year has completed course on practical web design and development on October 2020.
- Jeevitha, Bhuvaneshwari and Kousik have participated in webinar on “Emotional Intelligence” conducted by Department of chemistry, VCET on 12.10.2020.
- Kousik, Jeevitha, Reshma and 4 more students have participated in webinar “World Food Day” conducted by Rotaract club of VCET, on 16.10.2020.
- Kousik , Keethana and 8 more members have participated in webinar on “Be a believer” conducted by Rotaract club of VCET on 01.11.2020
- Around 5 students have participated in webinar on “ Psychological counseling and Behaviour Therapy for maintain good mental health” conducted by Women Empowerment Cell of VCET, on 30.11.2020.
- Around 8 students of third year have completed NPTEL course Fabrication technique of MEMS based sensor- Clinical Perspective

DEPARTMENT OF MBA

Webinar:

- Inaugurated & organized a special lecture on “Attitude Changes Everything” on 01.10.2020., Mr. Praveen S Madhavan, Certified Performance Coach, Attitude Facilitator, Director – Triple N Axiomatic Solutions(P) Ltd, Kerala was the resource person.
- Organized a workshop on “Learn to Lead” on 22.10.2020. Dr.T.Devasenathipathi, Director, PPG Business School, PPG Institute of Technology, Coimbatore was the resource person.



Seminar:

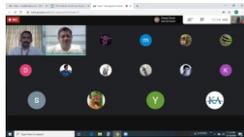
- Organized a seminar on “Managerial Practices of a Great Manager” on 18.12.2020. Shri.D.Venkateswaran, Business Partner, Venbro Polymers, Partner & Head, CD Mills Private Limited, Erode & Vice Chairman, Ulavan Producer Co.Ltd., Erode was the resource person.
- Organized a seminar on “Importance of Digital Banking during Pandemic Period” on 24.12.2020. Shri.R.Karuppusamy (MBA Batch: 2005 – 2007), Branch Manager, ESAF Finance Bank, Gobichettipalayam was the resource person.

DEPARTMENT OF MCA

- A Seminar was organized through on-line mode on the topic “Industry 4.0” on 02.11.2020.
- A Webinar was organized through on-line mode on the topic “Carreer Opportunities on Post Covid Period” on 22.10.2020.

DEPARTMENT OF MATHEMATICS

•Science Club – PHENMACH has organized a special lecture on “Sir C V Raman’s Contribution to Indian Science” (Through Online Mode) on 07.11.2020 to commemorate the 132nd Birth Anniversary of Sir C.V.Raman. Dr. P. Kolandaivel, Vice Chancellor, Periyar University, Salem was the Chief Guest. Around 160 members participated in the programme.



•Mathematics Colloquium has celebrated the National Mathematics Day (Through Online Mode) on 22.12.2020 to Commemorate the 133rd Birth Anniversary of Srinivasa Ramanujan. Dr. S.K. Jayanthi, Principal, Vellalar College for Women, Erode was the Chief Guest. Around 70 members participated in the programme.



DEPARTMENT OF CHEMISTRY

Youth Red Cross & Student Activity Cell Organized a Webinar on 'Emotional Intelligence' On 12.10.2020.

Rotaract Club Activities

Totally 17 programs were conducted by Rotaract Club.

CONFERENCE / WORKSHOP / SEMINAR / FDP PROGRAMS ATTENDED BY FACULTY

- 100 programs were attended by faculty members in the department of Bio Medical Engineering
- 30 programs were attended by faculty members in the department of Civil Engineering
- 34 programs were attended by faculty members in the department of Computer Science Engineering
- 52 programs were attended by faculty members in the department of Electronics and Communication Engineering
- 33 programs were attended by faculty members in the department of Electrical and Electronics Engineering
- 56 programs were attended by faculty members in the department of Information Technology
- 22 programs were attended by faculty members in the department of Mechanical Engineering
- 8 programs were attended by faculty members in the department of Medical Electronics
- 20 programs were attended by faculty members in the department of MBA
- 18 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 the Key note Address in AICTE sponsored online STTP Phase –I on 'Geotechnical Engineering' held form 26.10.2020 to 31.10.2020.

Mr.S.C.Sarath Kumar delivered the lecture in AICTE sponsored online STTP Phase –II on 'Geotechnical Engineering' held form 14.12.2020 to 19.12.2020.

Mr.C.Pranesh, has presented a paper titled 'Experimental Study of Foundry Sand and Metakaolin in Cement Concrete' in the National level Virtual Conference on Recycling and Reuse of Plastic Waste organized by Dr.N.G.P. Institute of Technology, Coimbatore on 15.11.2020.

Department of Computer Science And Engineering

Dr. V. Latha Jothi acted as a resource person for the AICTE sponsored STTP on 'Deep Learning Applications and Challenges in Big Data Analytics – Series 3' organized by Dept of IT, Vellalar College of Engineering and Technology, Erode from 05.10.2020 to 10.10.2020.

Dr.S.Jabeen Begum, Dr.V.Latha Jothi, Dr.S.Kayalvili, Dr.S.Gokulraj presented a paper on “Survey on Forecasting the Vulnerability of Covid-19 in Tamilnadu” in the AICTE sponsored International E-conference on Data Analytics, Intelligent Systems and Information Security (ICDIIS'20) held from 11.12.2020 - 12.12.2020 organized by Dr.Mahalingam College of Engineering and Technology, Pollachi

Dr.S.Kayalvili presented a paper on “A Survey on keyword search over graph database” in the AICTE sponsored International Conference on Current Trends and Challenges in Health care Informatics and Technology organized by KSR College of Engineering from on 10.12.2020

Dr.V.Latha Jothi presented a paper on “A Survey on Online Shoppers' Purchase Intention” in the AICTE sponsored International Conference on Current Trends and Challenges in Health care Informatics and Technology organized by KSR College of Engineering on 10.12.2020

S.Vishnupriya and S.Ponni presented a paper on “Enhanced Crow Search Algorithm for Task Scheduling in Cloud Computing” in the International Virtual conference on Robotics, Automation, Intelligent Systems and Energy (IVC-RAISE 2020) organized by Kongu Engineering College on 15.12.2020.

Department of Electronics and Communication Engineering

Prof. L. Peter Stanley Bebington acted as resource person in AICTE sponsored one-week STTP on “Effective and Innovative Teaching, Best Practices and Learning Strategies - Series III” and handled a session on 'The rise of the conscious machines: how far should we take AI?' organized by Department of ECE, Vellalar College of Engineering and Technology, Erode on 19.10.2020.

Dr. K.R. Valluvan acted as resource person in AICTE sponsored one-week STTP on “Effective and Innovative Teaching, Best Practices and Learning Strategies - Series

III” and handled a session on 'Paradigm shift in pedagogy with National Education Policy 2020' organized by Department of ECE, Velalar College of Engineering and Technology, Erode on 21.10.2020.

Dr. K. Venkatachalam acted as resource person in AICTE sponsored one-week STTP on “Effective and Innovative Teaching, Best Practices and Learning Strategies - Series III” and handled a session on 'Searching suitable journal for research publication' organized by Department of ECE, VCET, Erode on 19.10.2020.

Prof.P.Jayachandar acted as resource person in AICTE sponsored one-week STTP on “Effective and Innovative Teaching, Best Practices and Learning Strategies - Series III” and handled a session on 'Virtual Lab' organized by Department of ECE, Velalar College of Engineering and Technology, Erode on 20.10.2020.

Dr. M. Nisha Angeline acted as resource person in AICTE sponsored one-week STTP on “Effective and Innovative Teaching, Best Practices and Learning Strategies - Series III” and handled a session on 'Digital Teaching Resources' organized by Department of ECE, Velalar College of Engineering and Technology, Erode on 22.10.2020.

Dr.S. Mahendra Kumar acted as resource person in AICTE sponsored one-week STTP on “Effective and Innovative Teaching, Best Practices and Learning Strategies - Series III” and handled a session on 'Innovative Teaching and best practices' organized by Department of ECE, Velalar College of Engineering and Technology, Erode on 23.10.2020.

Dr.S. Rajan acted as resource person in AICTE sponsored one-week STTP on “Effective and Innovative Teaching, Best Practices and Learning Strategies - Series III” and handled a session on 'Modernization in Teaching Learning Process' organized by Department of ECE, Velalar College of Engineering and Technology, Erode on 21.10.2020.

Dr.M.Kalamani acted as resource person in AICTE sponsored one-week STTP on “Effective and Innovative Teaching, Best Practices and Learning Strategies - Series III” and handled a session on 'Scientific Research Paper Writing' organized by Department of ECE, Velalar College of Engineering and Technology, Erode on 23.10.2020.

Papers Presented

Dr.M.Kalamani presented a paper on “ Multiresolution Analysis based Satellite Image Fusion using Reverse Biorthogonal Wavelet Transform” in the '1st International Conference on New Age Systems and Automation Technologies' conducted by Bannari Amman Institute of Technology from 09.10.2020 to 10.10.2020.

Dr.M.Kalamani presented a paper on 'Automated Fabric Defect detection based on Learning Approach' in the 'International Conference on Advances in Technical Textiles' conducted by Bannari Amman Institute of Technology from 24.10.2020 to 25.10.2020.

Dr.M.Kalamani presented a paper on 'A Study on the effect of Urea Fertilizer in soil using Mid Infrared Spectroscopy and Chemometrics in the Global summit on 'Perspectives of Crop and Nutrition Security in the New Normal (PCNNN 2020)' conducted by Global summit on

Perspectives of Crop and Nutrition Security in the New Normal (PCNNN 2020) from 26.11.2020 to 27.11.2020.

Dr.M.Kalamani presented a paper on 'Certain Investigations and an Experimental Approach for the Kerbside Rainwater in the '1st International Conference on Circuits, Signals, Systems and Securities conducted by Bannari Amman Institute of Technology from 11.12.2020 to 12.12.2020.

Dr.M.Kalamani presented a paper on 'Design and Analysis of Barun Multiplier using Low Power Adder in the '1st International Conference on Circuits, Signals, Systems and Securities (ICSSS 2020)' conducted by Bannari Amman Institute of Technology from 11.12.2020 to 12.12.2020

Dr.Parimala Devi, Mr.G.Boopathi Raja and Ms.T.Sathya presented a paper on 'Leakage Characterization of Read Decoupled 10T SRAM cell' in the 'International Web conference on Innovations in Communications and Computing- ICICC'20' conducted by Velammal College of Engineering and Technology, Madurai on 05.10.2020.

Ms.P.Nandhini presented a paper on 'Automatic Remote control based surface level marine debris cleaning and signaling' in the 'International Conference on Advances in Computing, Communication, Automation and Biomedical Technology conducted by KPR Institute of Engineering and Technology from 11.12.2020 to 12.12.2020.

Department of Information Technology

Dr.V.K.Manavalasundaram acted as a resource person in AICTE Sponsored Online Short Term Training Programme (STTP) Series- III on 5.10.20 topic “Deep Learning Applications and Challenges in Big Data Analytics” in the conference on ‘Deep Learning in Data Mining and Machine learning’ AICTE Sponsored Online Short Term Training Programme.

Dr.V.Srinivasn resource person in AICTE Sponsored Online Short Term Training Programme (STTP) Series-III on 5.10.20 topic “Deep Learning Applications and Challenges in Big Data Analytics” in the conference on ‘Neural Network’ AICTE Sponsored Online Short Term Training Programme.

Mr. C. Saravanan acted as a resource person for the session and delivered a lecture on 'Pitching Workshop & Linkage Innovation with Innovation Ambassadors' conducted by K.S.R Polytechnic College, on 12.12.2020.

Department of Mechanical Engineering

G.Raja, presented a paper titled “Surface Engineering of Zinc Sulphide Film for Augmenting the Performance of polycrystalline Silicon Solar Cells” in International Conference on Materials, Manufacturing and Machining for Industry 4.0 (ICMMM 2.0) conducted by Bannari Amman Institute of Technology on 09.10.2020.

R. Kumaravelan & R.Prakash, presented a paper titled “Preparation and Study on Thermophysical Properties of Inorganic Salt Hydrate as Energy Storage Materials” in International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2020) conducted by Velalar College of Engineering and Technology on 20.11.2020 & 21.11.2020.

R. Kumaravelan, presented a paper titled “Numerical analysis of Engine Inlet Fan Blades with different Materials” in International Conference on Recent Advances in Materials

and Manufacturing (ICRAMM 2020) conducted by Velalar College of Engineering and Technology on 20.11.2020 & 21.11.2020.

A.T.Navinprasad, R.Prakash, & K.Ramakrishnan, presented a paper titled "Experimental Investigation of Nickel Oxide Nanomaterials with n-Pentane Diesel Blends in Compression Ignition Engine" in International Conference on Recent Innovations in Engineering and Technology (ICRIET 2020) conducted by Nandha Engineering College on 04.12.2020 & 05.12.2020.

Department of Medical Electronics

K.S.Kausalyadevi, S.B.Abitha, R.Dhivya presented a paper through online, titled 'synthesis of Herbal Biomaterial cloth for human injuries' in an International conference on Future prospects of biotechnology and biomedical applications on 18.12.2020.

K.S.Kausalyadevi, S.B.Abitha, R.Dhivya presented a paper through online, titled 'Automated control of CPM Machine by using NIRS' in an International conference on Future prospects of biotechnology and biomedical applications on 19.12.2020.

Department of MBA

Dr.T.Vetrivel acted as a resource person in workshop and delivered a lecture on the topic "Statistical Tools used in Research" Organized by Department of Management Studies, Dr. MGR Educational and Research Institute, Chennai on 15.10.2020.

Dr.D.Aarthi acted as a resource person in Student motivational programme and delivered a lecture on the topic, 'Especially for you' Organized by Sagar International School, Perundurai on 03.11.2020.

Dr.D.Aarthi acted as a resource person in a three day couple training program and delivered a lecture on the topic, "Men vs Women" and "Art of Parenting" Organized by Lions club international, Erode from 20.11.2020 to 22.11.2020.

Dr.T.Mohanapriya acted as a resource person and delivered a lecture on the topic, 'Investor Awareness Programme' Organized by Department of Management Studies, Knowledge Business School, Salem on 13.10.2020.

Dr.T.Mohanapriya acted as a resource person and delivered a lecture on the topic, 'Learn to Inspire' Organized by Department of Management Studies, Sree Narayana Guru College, Coimbatore on 13.10.2020.

Department of Chemistry

Dr.K.Manikandan presented a paper titled 'The structural, morphological, optical studies and cytotoxicity, anticancer Activities of Pure and W-Doped TiO₂ Nano Particles' in an International Conference on Chemical and Environmental Research (ICCER – 2020) organized by Jamal Mohamed college, Trichy on 12.11.2020.

Department of Maths

Dr. M. Eswaramurthi has acted as a chief guest for paper presentation in the International Conference 'Recent Trends in Materials and Manufacturing' on 20.11.2020 at Velalar College of Engineering and Technology, Erode.

Department of Physics

Dr. N. Thangaraj acted as a Chief Guest for "Suyanalam' Programme conducted by Bharathidasan College of Arts and Science on 01.10.2020

Ms.S.Devi, Dr. Deepa Jananakumar presented paper on the title 'Structural, Optical and Thermal studies of novel Nonlinear Optical material- L-Valine doped Guanidine carbonate single crystal' in the International conference on Recent Advances in materials and Manufacturing (ICRAMM 2020), organized by Department of Mechanical Engineering, Velalar College of Engineering and Technology, Erode from 20-11-2020 to 21-11-2020.

Ms.P.Kiruthika, presented paper on the title 'Effect of Bath temperature on Electrodeposited Nickel Manganese magnetic thin films' in the International conference on Recent Advances in materials and Manufacturing, organized by Department of Mechanical Engineering, Velalar College of Engineering and Technology, Erode from 20-11-2020 to 21-11-2020.

JOURNAL PUBLICATIONS BY FACULTY MEMBERS

Department of Bio-Medical Engineering

Dr.S.Mangai, 'Design and Development of Ankle Foot Orthosis using Additive Manufacturing Technique', International Journal of Modern Trends in Engineering and Science, ISSN 2348-3121, Vol. 07, Issue 02, pp.6-11.

Department of Electrical and Electronics Engineering

Mr. D.Rajkumar, 'Transient Stability Testing and Improvement of Power System Using ETAP Software', High Technology Letters, ISSN NO: 1006-6748, Vol 26, Issue 12, pp 260-268, December 2020.

Dr.C.Gokul and **Dr.K.Vanchinathan**, 'Test scheduling of System-on-Chip using Dragonfly and Ant Lion optimization algorithms', Journal of Intelligent & Fuzzy Systems, ISSN NO:1064-1246, Vol prepress, pp. 1-13, December 2020.

Dr.P.Sakthivel, **Dr.C.Gokul**, **Mrs.M.Chitra**, 'Analysis of Overloading in Trucks using Embedded Controller', IEEE Conference ICESCS 2020, Scopus Indexed, IEEE Xplore.

Dr.P.Sakthivel, 'Performance Analysis of VLSI Architecture of Viterbi Decoder in WLAN Using the Sleepy Keeper Technique', Comptes rendus de l'Academie bulgare des Sciences, Vol 73, No 8, pp.1123-1131, 2020

Dr.P.Sakthivel, 'Low power sleepy keeper technique based VLSI architecture of Viterbi decoder in WLANs', Australian Journal of Electrical and Electronics Engineering, DOI: 10.1080/1448837X.2020.1844366.

Department of Mechanical Engineering

M.Jayaraman, Experimentation on Product and Service Life Cycle On Drive Shaft Using Ant Colony Algorithm, Journal of the Balkan Tribological Association, Volume-26, Issue-4, December 2020.

R. Kumaravelan & R.Prakash, Preparation and study on Thermophysical Properties of Inorganic Salt Hydrate as Energy Storage Materials, Materials Today: Proceedings, November 2020.

Department of Medical Electronics

K. Vanitha, 'Design of Multiband Microstrip Patch Antenna Using Hfss for 3g/4g Wireless Communication', International Peer Reviewed Open Access Journal on Bioscience Biotechnology Research Communications, ISSN 2321-4007, Vol.13, Issue Number (6) 2020.

Dr. M. Pravin Kumar, 'The Application of Computational Modeling for the optimization of Bio Fuel Production Processes', International Journal of Advanced Trends in Computer Science and Engineering, ISSN 2278-3091, Vol. 9, Issue 5, pp. 7883-7893, October 2020.

Department of Chemistry

Dr.K. Manikandan, 'Synthesis and characterization of pure and W-Doped TiO₂ Nano Particles and its application to antimicrobial activity', Wutan Huatan Jisuan Jishu - International scientific journal, ISSN 1001-1749, Vol XVI, Issue X, pages 102 - 115 October 2020

Ms. Priya M, 'Shrimp waste extract as an efficient green corrosion inhibitor for mild steel in acidic environment', Wutan Huatan Jisuan Jishu - International scientific journal, ISSN 1001-1749, Vol. XVI, Issue X, pages 424 - 435 October 2020.

BOOK PUBLICATIONS

Department of Electronics and Communication Engineering

Dr. M.Parimala Devi, Mr. G.Boopathi Raja, Dr. V.Gowrishankar and Ms. T.Sathya published a chapter on 'IoMT-Based Smart Diagnostic/Therapeutic Kit for Pandemic Patients' in the Internet of Medical Things for Smart Healthcare by Springer on November 2020. (pp no 141-165) [ISBN No: 978-981-15-8097-0]

RESEARCH ACTIVITIES

Award of PhD

Mr. K.Senthil Prakash, ECE has completed his Doctoral degree from Anna University, Chennai, on 7th December 2020. His area of interest includes Communication System, Wireless Communication and Mobile Adhoc Network. He has published many papers in National and International Journals and presented papers in various Conferences.



Ms. S. Kalai Selvi, has completed Doctoral degree from Bharathiar University, Coimbatore, during November, 2020. Her area of interest includes Physical, Analytical Chemistry, Carbon Materials, Wastewater Treatment and Adsorption. She has published many papers in National and International Journals and presented papers in various Conferences.



Patent

Dr.V.Latha Jothi, Dr.S.Kayalvili, Ms.D.Lavanya and Ms.S.Subathra published a patent (Application No.202041055413) in 'Cloud Computing Based E-Learning Platform'.

Dr.S.Sadash & Dr.S.Gokulraj Published a patent (Application No.202041036326 A) in 'Methane Gas Measuring device in food waste using raspberry-pi, MQ-4 Sensor'.

Dr.V.Srinivasan, Dr.S.Devi Suganya published a patent (Application number:202041054268 A) in 'Virtual Labs using Cloud Computing'.

Mrs.M.Thenarasi, 'IoT Based Performance Investigation System for DC Motor', patent filling a application date: 13.11.2020, Publication date: 20.11.2020, Application no: 202041049691A.

Dr. M. Pravin Kumar, published a patent on 'An IOT based Automatic Fatigue and Health Monitoring System during Travel', on 16.10.2020. (Patent Application Number: 202041043131)

Copyright

Dr.S.Mangai received copyright for the paper 'Feature Selection Using Modified Shuffled Complex Evolution Algorithm in Multimodal Biometric System for Secured Authentication' with Registration Number L-96589/2020 registered on 09.11.2020.

Ms.K.Vijaya has received a copyright for "ARCOR: Authenticated Redundancy Checking Opportunistic Routing Protocol for Wireless Sensor Networks" (L-95484/2020)

Dr.M.Parimala Devi, ECE filed a copyright on 'Multiplexer Approximation Logic based 4*4 Dadda Multiplier using Carry Look Ahead Adder' on 24.12.2020. [Diary No :21331/2020-CO/SW].

Dr.S.Mahendrakumar, ECE and K.Vanitha filed a copyright on 'Investigation of performance Testing of smart Antenna in Wireless AdHoc Networks'. [Diary: 16729/2020-CO/L].

Research Activity

Mr. S.P.Prakash (Ph.D. scholar) completed the Ph.D. viva voce under the guidance of joint supervisor Dr. M.Kalamani, Professor, ECE on 14.10.2020.

Award / Recognitions

Ms.R.Mohanabharathy, ECE received Award from Texas Instruments in association with NPTEL for participating and fostering the ecosystem bridging Government, Academia and Industry for the course 'TI Embedded System Design using MSP 430TM MCU MOOC' during December 2020.

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