



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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APRIL TO JUNE 18

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MESSAGE FROM THE PRINCIPAL



"Actions speak louder and clearer than words"

Today education means much more than merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young budding engineers, their talent, and future leadership. We inherited a strong foundation to build upon and we strive to achieve the education objectives for a stronger and brighter India. We need to acknowledge that young minds have to face challenges

of an emerging knowledge based society which is changing in an unprecedented pace. We at VCET aim to equip young engineers to transform these challenges into exciting opportunities. Our pedagogy, while recognizing the significance of technology, is mindful of the fact that modernization need not be dichotomous, and can resourcefully blend with our tradition and culture. VCET is proudly marching towards the targeted destination, thanks to our dynamic team!

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DEPARTMENT OF BIOMEDICAL ENGINEERING ICMR SPONSORED NATIONAL CONFERENCE

The Department of Biomedical Engineering organized a ICMR Sponsored National Level Seminar on the topic 'Molecular Diagnostics in Personalized Medicine NCMDPM-18' on 15th



June 18. Dr. Arunava Das, Associate Professor, Department of Biotechnology, Bannari Amman Institute of Technology, Sathyamangalam was the Chief Guest.

VALUE ADDED COURSES

A Seven Day Value Added Course was conducted for Second year students on 'LABVIEW for Graphical Programming' from 10.05.2018 to 17.05.2018.

DEPARTMENT OF CIVIL ENGINEERING SURVEY CAMP



The survey camp for fifth semester students (2016-2020 Batch) was conducted during 25th to 30th June 2018 at Chennai & Erode. Various types of surveys like Triangulation survey, Block Contouring, Radial Contouring, LS and CS of roads and Electronic Survey using Total station survey and GIS was carried out.

AICTE-ISTE SPONSORED

A Six day AICTE-ISTE Sponsored Induction/Refresher programme on 'Modern Construction Materials, Techniques, Equipment and Practices' was conducted during 21st to 26th May 2018. Dr.L.S. Jayagopal, Former Prof. and Head, Department of Civil Engg., PSG College of Technology and Managing Director, Mithran Structures Private Limited, Coimbatore delivered the inaugural address.



SEMINAR



A one day conventional programme on 'Challenges and Issues in Urban Water Conservation' was conducted on 05.06.18. Dr.K.Ravichandran, Assistant Executive Engineer (Technical), Tamilnadu Water Supply and Drainage Board, Erode delivered an inaugural address. Dr. Senthil Kumar Professor, Dept of Civil Engg., KSR College of Engineering, Tiruchengode delivered the valedictory address.

CONSULTANCY / TESTING ACTIVITIES

S.No.	Activity	Amount generated (Rs)
1.	Consultancy in Geotechnical Investigation and testing of soil samples	24,500/-
2.	Testing of concrete cubes and bricks in Concrete lab	13,000/-
3.	Surveying Work at offsite	12,000/-
4.	Testing of water samples in Environmental Engg . Lab	2,250
5.	Structural Design & Drawing	7,500

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SPOKEN TUTORIALS

99 students of ECE successfully completed Online Spoken Tutorial course conducted by IIT Bombay on 'C Programming' in April 2018.

DEPARTMENT OF INFORMATION TECHNOLOGY

A Seven Day Anna University sponsored Faculty Development and Training Programme on 'GE8151 – Problem Solving and Python Programming' was conducted from 23.05.2018 to 29.05.2018.



DEPARTMENT OF MECHANICAL ENGINEERING

Grants Received

- Dr. M. Jayaraman and G. Mahanandha received a grant of Rs.30,000/- from the Indian Council of Medical Research (ICMR), New Delhi for organizing a One day National level Seminar on 'Advance Cermet Composite for Medical Applications'.
- Dr. M. Jayaraman, Dr. S. Velumani and V.Mohankumar received a grant of Rs.30,000/- from the Indian Council of Medical Research (ICMR), New Delhi for organizing a One day National level Seminar on "Bio materials based 3D cell Printing for next generation therapeutics and diagnostics".
- Dr. R. Kumaravelan, K. Ramakrishnanand and A. Thirumoorthy received a grant of Rs.40,000/- from the Indian Council of Medical Research (ICMR), New Delhi for organizing a One day National level Seminar on 'Recent Techniques in Bio-Medical Waste Management System'.

ICMR SPONSORED NATIONAL LEVEL SEMINAR:



A One day National level ICMR sponsored seminar on 'Advance Cermet Composite for Medical Applications' was organized on 02.06.18. Dr. P.S. Sampath, Professor, Mechanical Department, K.S.Rangasamy College of Technology, Tiruchengode inaugurated the seminar and Dr. R. Rajasekar, Professor, Mechanical Department, Kongu Engineering College, Erode delivered a lecture on 'Research Avenues in the area of Cermet Ceramic Composites'.

A One day National level ICMR sponsored seminar on 'Bio materials based 3D cell printing for next generation therapeutics and diagnostics' was organized on 22.06.2018. The Chief Guest Dr. Rajesh Ranganathan, Professor, Mechanical Department, Coimbatore Institute of Technology, Coimbatore inaugurated the session and Dr. E. Prakash, Professor, Mechanical Department, Bannari Amman Institute of Technology, Sathyamangalam, Erode delivered a lecture on 'Recent Developments in 3D Cell Printing for Health Care'.



STUDENT ACTIVITIES

- 10 Students attended the ICMR sponsored one day National Level Seminar on 'Advance Cermet Composite for Medical Applications' on 02.06.2018.
- 15 Students attended the ICMR sponsored one day National Level Seminar on 'Bio materials based 3D Cell Printing for Next Generation Therapeutics and Diagnostics' on 22.06.2018.

PLACEMENT ACTIVITIES

- Final year student A. Syedmohideen got placed in Milekal, Chennai.
- Final year student T.Pavithran got placed in Lakshmi Industries, Coimbatore.

DEPARTMENT OF SCIENCE AND HUMANITIES ASSOCIATION ACTIVITIES



PHENMAC Association of Science and Humanities organized an invited talk for the first year students on 27.04.18. Dr. K. Tamilarasan, Head/Department of Physics, Kongu Engineering College, Perundurai addressed the gathering.

DEPARTMENT OF PHYSICS

A One day National level CSIR sponsored seminar on 'Self Cleaning in Solar Panels' was conducted on 03.04.2018. Dr. R. Jayaprakash, Associate Professor, Department of Physics, Sri Ramakrishna Mission Vidyalaya College of Arts & Science, Coimbatore, delivered a lecture on 'Solar Energy Thermal Systems' and Dr. K. R. Ravi, Associate Professor, Department of Metallurgical Engineering, PSG Institute of Advance Studies, Coimbatore, gave a detailed idea about the 'A Bird's eye view on the challenges in Self Cleaning coating for Solar Panel Applications'.



DEPARTMENT OF ENGLISH GUEST LECTURE

The Department of English organised a guest lecture on 'Strategies to Acquire Communication Skills in English' on 17.02.18. Dr. K. Krishnasamy, M.A., M.Phil., Ph.D., Professor of English & Educational Consultant, Human Resource Trainer was the resource person.

ENGLISH LITERARY ASSOCIATION AND TOASTMASTERS CLUB VALEDICTION

The Valedictory Ceremony of English Literary Association and Toastmasters Club was conducted on 24.03.18. Dr.B. Malika, Professor & HoD/English, K.S.R College of Technology, Tiruchengode, was the resource person. She delivered a talk on 'The Art of Reading Novels'. She motivated the students to enhance the reading skills for developing English Language fluency.

MASTER OF BUSINESS ADMINISTRATION VALEDICTORY FUNCTION



The valedictory function of VELMA – Association of MBA on 23.04.18. Dr.M. Jayaraman, Principal presided over the function.

WORKSHOP/SEMINAR/FACULTY ENABLEMENT PROGRAM DEPARTMENT OF CIVIL ENGINEERING

Mr.C. Karthik participated in the workshop on 'New Age Applications of Stainless Steel & the Challenges in SS Fabrication' conducted by The Institute of Engineers (India) in association with Salem Steel Plant, Salem.

Mr.C. Karthik, Ms.A. Anitha & Mr.S.C. Sarath Kumar attended a two day seminar on 'Graphene –Nano Technology: Applications in Civil Engineering' on 07&8.06.18 sponsored by DST-SERB, at Coimbatore Institute of Technology, Coimbatore.

Mr.D. Sakthivel, Mr.C. Pranesh & Mr.S. Ramesh Kumar has attended a seminar on 'Biomethanisation and Bottling-Using Biodigestion of Solid and Liquid waste' conducted by Olirum Erodu Foundation at URC Conference Hall, URC Nagar, Erode on 19.04.18.

Mr.D. Sakthivel & Mr.S. Ramesh Kumar attended an Anna University sponsored FDP on 'Foundation Engineering' organized by Builders Engineering College during 11 .06.2018 to 17.06.2018.

Dr.E. Ravi, Mr. D. Sakthivel, Mr. C. Pranesh & Mr. S. Ramesh Kumar attended an Anna University sponsored FDTP on 'GE 8151 – Problem Solving and Python Programming' organized by VCET during 23.05.2018 to 29.05.2018.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

C. Selvi, S. Kayalvili, R. Kavitha, Dr.S. Sadesh, K. Vijaya and C. Kotteswari attended an Anna University approved Faculty Development and Training Programme on 'Problem Solving and Python Programming' from 23.05.18 to 29.05.18 at VCET.

T. Dhanur Bhavidhira attended a One Day National Level ICMR sponsored seminar on 'Advanced Cermet Ceramics Composites for Medical Applications' organized by VCET on 02.06.18.

S. Poovizhi and **S. Vishnupriya** attended a two day workshop on 'Artificial Intelligence and Deep Learning' on 23.06.2018 to 24.06.2018 at PSG College of Technology, Coimbatore in association with IIT, Roorkee.

NPTEL CERTIFICATE RECEIVED

C.Selvi, received NPTEL Online Certification for the successful completion of the course on 'AI:Constraint Satisfaction' conducted by IIT, Chennai on 28.04.2018.

C.Selvi, received NPTEL ELITE Online Certification for the successful completion of the course on 'Effective Teaching Engineering in Practice' conducted by IIT, Chennai on 28.04.18.

S.Kayalvili, received NPTEL ELITE Online Certification for the successful completion of the course on 'Problem Solving through Programming in C++' conducted by IIT, Kharagpur on 28.04.2018.

C.Kotteswari & Dr.S.Sadash received NPTEL ELITE Online Certification for the successful completion of the course on 'Data Mining' conducted by IIT, Kharagpur on 28.04.2018.

K.Vijaya & M.Mohanasundari received NPTEL online certification for successful completion of the course on 'Problem Solving through Programming in C' conducted by IIT, Kharagpur on 28.04.2018.

Dr. S. Sadash received 'Active SPOC' certificate based on performance and participation of candidates for the January-June 2018 semester.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

V.Gowri Shankar, R. Premalatha, G. BoopathiRaja and **N. Karthikeyan** attended a CSIR sponsored National Seminar on 'Self Cleaning in Solar Panels' at VCET on 03.04.2018.

Online-Courses

K.K.Pradeep, received Udeemy Online Certification for successfully completing the course on 'Arduino Discovery: Programming the UNO board made simple' in April 2018.

23 ECE Faculty members successfully completed Spoken Tutorial Online course conducted by IIT Bombay on 'Introduction to Computers' in April 2018.

NPTEL Certificate

K.Kavitha, received NPTEL ELITE Online Certification for the successfully completing the course on 'E-Waste Management' conducted by IIT, Kharagpur on 28.04.2018.

G.Boopathi Raja received NPTEL ELITE Online Certification for the successful completion of the course on 'Principles of Signals and Systems' conducted by IIT, Kharagpur on 28.04.2018.

T.Sathya received NPTEL Online Certification for the successful completion of the course on 'Principles of Signals and Systems' conducted by IIT, Kharagpur on 28.04.2018.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Mr.K.Rajaram, presented a paper in international conference on 'Automated medication dispensing machine using embedded Technology & Wheel therapy chair: A smart system for disabled person with therapy facility' at Nandha Engineering College.

DEPARTMENT OF INFORMATION TECHNOLOGY

R. Maheshwari, L. Viji and **D. Lavanya** participated in the Faculty Enablement Programme on 'User Interface Technologies' conducted by Infosys Limited at Kongu Engineering College, Erode from 04.06.2018 to 08.06.2018.

T. Premamala, R. Mynavathi, V. Leela, S. Suganya, R. Maheshwari, D.Lavanya and **P. Sathyavathy** participated in the Faculty Development and Training Programme on 'GE8151 – Problem Solving and Python Programming' from 23.05.2018 to 29.05.2018.

DEPARTMENT OF MECHANICAL ENGINEERING

Y. Anusuya attended a one week short term course on 'Finite Element Analysis – A Practical Approach' at Coimbatore Institute of Technology, Coimbatore from 14.05.2018 to 20.05.2018.

All the Faculty members attended a one day ICMR sponsored National level Seminar on 'Advance Cermet composite for Medical Applications' on 02.06.2018.

All the Faculty members attended a one day ICMR sponsored National level Seminar on 'Bio materials based 3D cell Printing for next generation therapeutics and diagnostics' on 22.06.2018.

Dr. R. Kumaravelan, M.Gopi & D.Senthilkumar participated in a one day Workshop on 'Deliberations on AICTE model curriculum – 18' at Coimbatore Institute of Technology, Coimbatore on 27.06.2018.

MASTER OF COMPUTER APPLICATIONS

Mr.M. Govindarajan, received NPTEL ELITE Online Certification for the successful completion of the course on 'Database Management System' conducted by IIT, Kharagpur on April 28th, 2018.

Mr.M. Govindarajan, has participated in the Faculty Development and Training Programme on "GE8151 – Problem Solving and Python Programming" from 23.05.2018 to 29.05.2018.

DEPARTMENT OF ENGLISH

Dr. S. Hemalatha, and **Dr. S. Gomathi** completed the NPTEL on-line courses with Elite Tag on 'Business English Communication' on 28.04.2018.

CONFERENCE/LECTURES/KEYNOTE ADDRESS DELIVERED BY FACULTY MEMBERS IN OTHER & HOST INSTITUTIONS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The following faculty members presented their paper in the 7th International Conference on Advanced Science and Engineering Research (ASER-18) at Al-Ameen Engineering College on 05.04.2018.

- ✓ M. Nisha Angeline 'Design and Analysis of Vedic multiplier based on Yavadunam Tavadunikritya Varga Yojayet Sutra'
- ✓ S. Rajan, 'Performance analysis of TCP flows by using different algorithms'.
- ✓ V. Gowrishankar, 'A high speed low power of two stage dynamic Comparator'.
- ✓ S. Pavithra, 'Energy meter reading and billing system using GSM in Wireless'.
- ✓ K.S. Murugesan 'Smart Sensor Based Monitoring System for Agriculture Field'.

S. Mahendrakumar presented a paper on 'A Framework for Implementing Smart Antenna Technique in MANET' in the 3rd International Conference on Advancements in Science, Engineering and Technology - 18 (ICASET-218) at M. P. Nachimuthu M. Jaganathan Engineering College, Chennimalai, Erode on 20.04.2018.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S.Kayalvili, acted as a resource person for the seminar on "Python" organized by the Department of Computer Science at Vellalar College for Women (Self Finance).

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr.K.R.Valluvan, attended a National Conference on "Trends in Engineering Applications" conducted by Vellalar college of Engineering and technology and presented a paper titled Patient monitoring system using IoTs connecting PHCS and District hospitals.

Dr.K.Venkatachalam, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled Efficient Bandwidth Management Mechanism for Virtual Networks.

Dr.V.Chandrasekaran, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled 'Design of Efficient Carry Speculative adder for Low Power VLSI'.

M. Nisha Angeline, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar college of Engineering and Technology and presented a paper titled 'Design and Analysis of Vedic Multiplier Based on Yavadunam Tavadunikritya Varga Yojayet Sutra'.

M.Parimala Devi, and **Dr.P.Brindha**, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar college of Engineering and technology and presented a paper titled 'Design of a Power Optimized Approximate Multiplier'.

M.Parimala Devi, and **Dr.P.Brindha**, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled 'High speed constant multiplier design based on VHBCSE algorithm with Parallel prefix adders'.

Mr.V.Gowrishankar, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled A high speed low power of two stage dynamic Comparator.

Mr.K.S.Murugesan, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar college of Engineering and Technology and presented a paper titled 'A high speed low power of two stage dynamic Comparator'.

Ms.K.Kavitha, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled 'Area Efficient low power multiplier for FFT DIF Algorithm'.

Dr.V.Chandrasekaran, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled 'Design of Efficient carry speculative adder for low power VLSI'.

Mr.K.SenthilPrakash, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled 'IoT based detection of power theft and electricity billing using GSM enabled embedded System'.

Mr.S.Rajan, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled 'Improving the performance of TCP flows in wireless networks by using efficient algorithms'.

Mr.P.Senthilkumar, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled Performance analysis of linear and non linear filters for Image denoising.

Mr.R.Gopalan, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled 'Efficient lossless image Compression using DPCM with Normalized LMS algorithm'.

Mr.S.Mahendrakumar, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled 'A framework for implementing adaptive antenna technique in Ad-hoc network for multicast Environment'.

Ms.S.Pavithra, attended a National Conference on 'Trends in Engineering Applications' conducted by Velalar College of Engineering and Technology and presented a paper titled 'Wireless energy meter reading and billing system using GSM'.

Mr.K.S.Murugesan, attended a International Conference on 'Recent Innovations in Engineering, Technology and Management' conducted by Nandha Engineering College, Erode and presented a paper titled 'Implementation of Automated Smart Classroom using Sensors'.

Mr.K.S.Murugesan, attended a International Conference on 'Advanced Science and Engineering Research (ASER-18)' conducted by Al-Ameen Engineering College, Erode and presented a paper titled 'Smart Sensor Based Monitoring System for Agriculture Field'.

Ms.L.Revathi, attended a International Conference on 'Innovations in Science, Engineering and Technology for Sustainable Development (ISETSD-18)' conducted by Muthayammal Engineering College, Rasipuram and presented a paper titled 'Automated Blood Pressure, Heart beat, Respiration level and Temperature Sensing using IOT'.

Ms.M.Parimala Devi, & **Dr.P.Brindha**, attended a International Conference on 'Recent Innovations in Engineering, Technology and Management' conducted by Nandha Engineering College, Erode and presented a paper titled 'Design of High Speed Constant Multiplier Based on VHBCSE Algorithm with Brent Kung and Ling Adders'.

Dr.K.Venkatachalam, attended a International Conference on 'Advancements In Science, Engineering And Technology' conducted by MPNMJ Engineering College on and presented a paper 'titled Efficient Bandwidth Management Mechanism for Advanced Virtual Networks'.

Ms.M.Parimala Devi, and **Dr.P.Brindha**, attended an International Conference on 'Recent Innovations in Engineering, Technology and Management' conducted by Nandha Engineering College, Erode and presented a paper titled 'Design of an Optimized Multiplier Based on Approximation Logic'.

Ms.M.Rathika, attended a International Conference on 'Innovations in Science, Engineering and Technology for Sustainable Development (ISETSD-18)' conducted by Muthayammal Engineering College, Rasipuram and presented a paper titled 'Secured Electronic Voting Machine Based on Biometric Verification'.

Mr.N.Karthikeyan, attended a National Conference on 'Electronics, Instrumentation, Automation & Control' conducted by Karpagam College of Engineering and presented a paper titled 'Automatic Ambulance Rescue with Intelligent Traffic Light System'.

Ms.P.Nandhini, attended an International Conference on 'Innovations in Science,Engineering and Technology for Sustainable Development(ISETSD-18)' conducted by Muthayammal Engineering College, Rasipuram and presented a paper titled 'Intelligent Digital Fuel Gauge along with Engine Locking System using Arduino'.

Mr.P.Senthil Kumar, attended a National Conference on 'Emerging Trends in Communication and Information Technology' conducted by K.S.Rangasamy College of Technology and presented a paper titled 'Smart Air Quality Monitoring System'.

Mr.P.Senthil Kumar, attended a International Conference on 'Advancements in Science, Engineering and Technology' conducted by MPNMJ Engineering College and presented a paper titled Performance Analysis of Linear and Non Linear Filters For Image De Noising.

Mr.R.Gopalan, attended a National Conference on 'Electronics, Instrumentation, Automation & Control' conducted by Karpagam College of Engineering and presented a paper titled Design and Development of Weather Monitoring Flying Machine (IoT).

Mr.S.Mahendrakumar, attended an International Conference on 'Advancements in Science, Engineering and Technology' conducted by, MPNMJ Engineering College and presented a paper titled 'A Framework for Implementing Smart Antenna Technique in MANET'.

Mr.S.Rajan, attended a National Conference on 'Emerging trends in Communication and Information Technology' conducted by K.S.Rangasamy College of Technology and presented a paper titled 'GSM based Prototype Implementation of Digital Notice Board'.

Mr.S.Rajan, attended an International Conference on 'Advanced Science and Engineering Research (ASER-18)' conducted by Al-ameen Engineering College, Erode and presented a paper titled 'Performance Analysis of TCP flows by using different algorithms'.

Ms.T.Sathya, attended an International Conference on 'Innovations in Science, Engineering and Technology for Sustainable Development(ISETSD-18)' conducted by Muthayammal Engineering College, Rasipuram and presented a paper titled 'Monitoring and Control of Effluents in the Dyeing Industry'.

Ms.T.Sathya & Mr. G.Boopathi Raja, attended an International Conference on 'Recent Development in Engineering Science, Humanities and Management' conducted by Nutan Maharashtra Institute of Engineering and Technology, Pune and presented a paper titled 'Efficient monitoring and Automatic control of Effluents in the Dyeing industries'.

Mr.V.Gowrishankar, attended a National Conference on 'Emerging Trends in Communication and Information Technology' conducted by K.S.Rangasamy college of Technology and presented a paper titled 'Precision agriculture using AGRIBOT for the welfare of farmers'.

Mr.V.Gowrishankar, attended an International Conference on 'Advanced Science and Engineering Research (ASER-18)' conducted by Al-Ameen Engineering College, Erode and presented a paper titled 'A high speed low power of two stage dynamic comparator'.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Mr.S.Ashwanth, presented a paper National Conference on 'Aadhar identity based electronic Voting System'at Velalar College of Engineering and Technology.

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. R.Kumaravelan, presented a paper on 'Analysis of Functionality Graded Material Plates under Complex Loading' in the International Conference ASER-18 at Al-Ameen Engineering College, Erode on 05.04.2018.

Dr. R. Kumaravelan, presented a paper on 'Buckling Analysis of Composite Laminates using Finite Element Analysis' in the International Conference ICASEM-18 at Jay Shriram Group of Institutions, Tirupur on 06.04.18 & 07.04.18.

Dr. S. Jabeen Begum, presented a paper entitled 'Automatic Fall Detection System by Sensing Floors' in the International Conference 'Applied Soft Computing Techniques (ICASCT'18)' conducted by Kalasalingam Academy of Research and Education', Krishnankoil 2018.

Ms. R. Menaka, presented a paper entitled "Optimization on Stream Delivery Based on Region of Interest" in the International Conference "Applied Soft Computing Techniques (ICASCT'18)" conducted by Kalasalingam Academy of Research and Education, Krishnankoil 2018.

Ms. T. Premamala, presented a paper entitled 'Search Rank Fraud and Malware Detection in Google Play' in the International Conference 'Applied Soft Computing Techniques (ICASCT'18)' conducted by Kalasalingam Academy of Research and Education, Krishnankoil 2018.

Ms. R. Mynavathi, presented a paper entitled 'A Healthcare Service model using Human Behavioural Patterns' in the International Conference 'Applied Soft Computing Techniques (ICASCT'18)' conducted by Kalasalingam Academy of Research and Education, Krishnankoil 2018.

Ms. M. Kavitha, presented a paper entitled 'Secure Enabled Region based Data Sharing in MANET' in the International Conference 'Innovations in Engineering Technology and Management' conducted by Nandha Engineering College, Erode 2018.

Ms. M. Shanthamani, presented a paper entitled 'Secure Enabled Region Virtual Quality Routing(SEVQ) for Effective Packet Loss Measurement and Congestion Avoidance' in the International Conference 'Applied Soft Computing Techniques (ICASCT'18)' conducted by Kalasalingam Academy of Research and Education", Krishnankoil 2018.

Ms. S. Viveka, paper entitled 'Systematic Clustering Approach for Roadside Networks' in the International Conference 'Applied Soft Computing Techniques (ICASCT'18)' conducted by Kalasalingam Academy of Research and Education", Krishnankoil 2018.

Ms. T. Nithya, paper entitled 'Mining Probabilistically Frequent Sequential Patterns using Large Uncertain Database' in the International Conference 'Applied Soft Computing Techniques (ICASCT'18)' conducted by Kalasalingam Academy of Research and Education, Krishnankoil 2018.

Ms. V. Leela, presented a paper entitled 'Human Aspect Profile Analysis for Privacy Preservation' in the International Conference 'Applied Soft Computing Techniques (ICASCT'18)'

conducted by Kalasalingam Academy of Research and Education, Krishnankoil 2018.

Ms. S. Suganya, presented a paper entitled 'Co-Extraction Short Text Review Classification' in the International Conference 'Applied Soft Computing Techniques (ICASCT'18)' conducted by Kalasalingam Academy of Research and Education, Krishnankoil 2018.

MASTER OF COMPUTER APPLICATIONS

Mr. P. Vijayakumar, participated in Wipro's Talent Next programme 18 from 07.05. 18 to 18.05. 18 at Wipro Campus, Electronic City, Bengaluru. Mr. P. Vijayakumar attended a 7 day Faculty Development and Training Programme in GE8151- Problem Solving and PYTHON Programming approved by Anna University, Chennai from 23.05.18 to 29.05.18 at Velalar College of Engineering and Technology, Erode.

DEPARTMENT OF MANAGEMENT STUDIES

D. Aarthi acted as a resource person in the Leadership training programme organized by Lions Clubs International at Cochin on 08.06.2018.

JOURNAL PUBLICATIONS BY THE FACULTY MEMBERS

DEPARTMENT OF BIOMEDICAL ENGINEERING

T. Yamunarani & G. Kanimozhi, 'Hand Gesture Recognition System for Disabled People Using Arduino', International Journal of Advanced Research and Innovative Ideas in Education, ISSN 2395-4396, Vol. 4, Issue 2, April 2018.

M. Brindha, 'Real time analysis of Foot Plantar Pressure using Labview', International Journal of Innovative Science and Research Technology, ISSN 2456-2165, Vol. 3, Issue 4, April 2018.

P. Georgia Chris Selwyna, 'Lab View based Development of a Gait analysis System', International Journal of Latest Technology in Engineering, Management & Applied Science, ISSN 2278-2540, Vol. 7, Issue 4, April 2018.

DEPARTMENT OF CIVIL ENGINEERING

Mr.S. Ramesh Kumar, 'Impact of Demonetisation and GST on Construction Industry', International Research Journal of Engineering and Technology, Vol. 05, Issue:3, April 2018

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The following faculty members published their paper in SSRG International Journal of Computer Science and Engineering- Special Issue ICRTECITA, ISSN: 2348 – 8387 April-2018.

C. Selvi, 'Predicting Fraud Apps using Hybrid Learning Approach'

K. Mohana Priya, 'A Web Application for Student Information System'

R. Kavitha, 'Web Development for Smart Home Accessories'

P. Suganthi Malarvizhi, 'Charity Management System'

Dr. S. Sadesh, 'Classification and Diagnosis of Hyphema Disease using Support Vector Machine'

S. Kayalvili, 'Extracting Opinion Targets and Words using Word Alignment Model' in the International Journal of Research and Advanced Development Vol. 02, Issue 01, pp. 11-16, April 2018.

Dr. S. Sadesh, 'Discovering of Patterns to gather new knowledge using Complete Random Tree" in the International Journal of Advance Research and Innovative Ideas in Education, Vol-4 Issue-2, pp. 4059-4062, April 2018.

DEPARTMENT OF ELECTRICAL AND COMMUNICATION ENGINEERING

Dr.K. Venkatachalam & V. Gowrishankar, 'IoT Based Precision Agriculture using Agribot' Global Research and Development Journal for Engineering, ISSN: 2455-5703 Vol. 3, Issue 5, pp 98-101, April 2018.

S. Rajan, 'GSM Based Prototype Implementation of Digital Notice Board', Asian Journal of Applied Science and Technology, e-ISSN: 2456-883X Vol. 2, Issue 2, pp 613-617, April 2018.

S. Mahendrakumar, 'A Framework for Implementing Adaptive Antenna Technique in Ad-Hoc Network for Multicast Environment' International Journal for Scientific Research and Development, e-ISSN: 2321-0613, Vol. 6, Issue 1, pp 125-128, April 2018.

R. Premalatha, 'Blue Nanny Based Child Monitoring System using Internet of Things', International Journal of Advanced Research in Management, Architecture, Technology and Engineering, Vol. 4, Issue 4, pp 128-135, April 2018.

Ms. T.Sathya and Mr. G.Boopathi Raja, 'Efficient Monitoring and Automatic Control of Effluents in the Dyeing Industries', 'International journal of Advance Research in Science and Engineering', Volume 07 Special Issue: 05, pp 349-355, 2018 (ISSN: 2319-8346).

Mr. S.Rajan, Improving the Performance of TCP Flows in Wireless Networks by using Efficient Algorithms, 'International Journal of Advance Research in Engineering Science & Technology(IJAREST)', Volume 5, Issue 3, pp 21-27, 2018.[e-ISSN: 2393-9877, p-ISSN: 2394-2444]

Mr. S.Mahendra Kumar, An improved direction of arrival (DOA) estimation algorithm and beam formation algorithm for smart antenna system in multipath environment, 'International Journal of Intellectual Advancements and Research in Engineering Computations', Volume 6, Issue 1, pp 342 - 347, 2018.

Mr. R.Gopalan, 'Efficient lossless image compression using DPCM with Normalized LMS algorithm', 'IJAREST', Volume 5, Issue 2, pp 127-135, 2018.[e-ISSN: 2393-9877]

Mr. P.Senthil Kumar, 'Performance analysis of linear and non linear filters for image de noising', 'International Journal of Advance Research in Engineering, Science & Technology' Volume 5, Issue 3, pp 28-37, 2018

Dr. P.Brindha, 'Design of an Optimized Multiplier Based on Approximation Logic', 'International Journal of Intellectual Advancements and Research in Engineering Computations' Volume 6, Issue 1, pp 80-85, 2018. ISSN: 2348-2079

Mr. N.Karthikeyan, 'Automatic Ambulance Rescue with Intelligent Traffic Light System', 'International Journal of Advance Research in Engineering Science and Technology' Volume 5, Issue 3, pp 4, 18-425, 2018.

Mr. M.Parimala Devi, 'Design of high speed constant multiplier based on VHBCSE algorithm with BRENT kung and ling adders', 'International Journal of Intellectual Advancements and Research in Engineering Computations' Vol. 6, No. 1, pp 74-79, 2018. ISSN: 2348-2079.

Mr. M. Parimala Devi, 'Design of an Optimized Multiplier Based on Approximation Logic', 'International Journal of Intellectual Advancements and Research in Engineering Computations' Vol. 6, No. 1, pp 80-85, 2018. ISSN: 2348-2079.

Mr. M.Parimala Devi, 'IoT based super Market System , 'International Journal of Intellectual Advancements and Research in Engineering Computations' Vol. 6, No. 1,pp 163-167, 2018. ISSN: 2348-2079.

Ms. M.Nisha Angeline, 'Design And Analysis Of Vedic Multiplier Based on Yavadunam Tavadunikritya Varga Yojayet Sutra', 'International Journal of Advance Research in Engineering, Science & Technology', Vol.5, Issue No.3, pp 191-197, 2018. e-ISSN: 2393-9877, p-ISSN: 2394-2444

Mr. K.Senthil Prakash, 'Power Aware QoS Enabled Node-Disjoint Multipath Routing Protocol for MANET', 'Journal of Signal Processing and Wireless Networks', Vol. 02, Issue No. 1, pp 33-38, 2018.

Mr. K.S.Murugesan, 'FPGA Based Monitoring System for Agriculture Field Using Smart Sensors', 'International Journal of Advance Research in Engineering, Science & Technology', Vol. 05, pp 183-190, 2018.

Ms. K.Kavitha, 'Area efficient low power multiplier for FFT DIF algorithm', 'International Journal of Advance Research in Engineering Science and Technology(IJAREST)', Vol. 05, Issue No. 3, pp 176-182, 18. ISSN(online) : 2393-9877 ISSN(print) : 2394-2444

Mr. K.K.Pradeep, 'An Effective Wavelet thresholding filter for Image Denoising', 'International Journal of Intellectual Advancements and Research in Engineering Computations', Vol. 06, Issue No. 1, pp 188-193, 2018.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ms.S. Gokula Brindha, 'PV Interfacing Multilevel Inverter design for Compensation of Harmonics due to Fluorescent Lamp load and personal Computer load' International Journal for Research in Applied Science and Engineering Technology, April 18, Vol:6, Issue:4, ISSN/ISBN:2321-9653.

DEPARTMENT OF INFORMATION TECHNOLOGY

P.Sathyavathy, 'A Proficient Technique for Word crawling the Unnecessary Significance in Social Networks', International Journal of Research and Advanced Development, Vol. 2, Issue 1, pp 5 - 7, April 2018.

DEPARTMENT OF MECHANICAL ENGINEERING

V. MohanKumar, 'Wear Behaviour of Aluminium Alloy 7075 hybrid Reinforced Composite', International Journal of Innovative Research in Science, Engineering And Technology, ISSN 2347-6710, , Vol.7, Issue 4, April 2018.

DEPARTMENT OF PHYSICS

Dr. S. Ranjitha & R. Lavanya Dhevi, 'Prominence of using Betalain and Cubebin as Natural Dye Sensitizers for the Design of Eco-Friendly DSSCs', International Journal of Advanced Science and Engineering, ISSN 2349 53592, Vol.4, No.4, pp726-736 April 2018.

DEPARTMENT OF MANAGEMENT STUDIES

Dr. T. Vetrivel, 'A Study on Market Analysis of Rivet Nut with Special Reference to Rivit India Fasteners Pvt. Ltd., Chennai',

International Journal of Research Review in Engineering and Management Vol.No.: 2, Issue No.: 4, pp 78-88, April 2018.

Dr. T. Vetrivel, 'A Study on the Administration and Facility Management at Small Scale Industries with Reference to Hosur', Vol.No:2, Issue No:5, pp.78-88, May'18.

Dr.T.Vetrivel, 'A Study on Working Capital Management with Special Reference to Steel Authority of India Limited, Salem', International Journal of Research Review in Engineering and Management, Vol.1, Issue No.1, pp.109-120 2018.

S.Logeshkumar, 'An Empirical study on Customers' opinion towards mobile banking' in the city of Erode at Tamilnadu, India, Research Review International Journal of Multidisciplinary e-ISSN: 2455-3085, Volume-3, Issue-02, 2018.

BOOK PUBLICATION

DEPARTMENT OF COMPUTER SCIENCE

Dr.V. LathaJothi & S. Kayalvili published a book on 'Cyber Forensics' by Suchitra Publications. This book is a useful handout with required details from all references covering the syllabus of VII Semester B.E. Computer Science and Engineering and VIII Semester B.Tech., Information Technology of Anna University, Chennai, Regulation 2013 with question bank.

AWARD of Ph.D

DEPARTMENT OF CHEMISTRY

Dr. S.V.Elangovan has completed his Doctoral degree in Chemistry from Bharathiar University, Coimbatore on 09.04.18. He has 16 years of teaching experience. His research areas Synthesis and characterization of Nanomaterials for Waste Water Treatment.



He has published 6 research papers in peer reviewed National and International Journals and 4 papers in National and International conferences.

Awards / Recognitions

Patent

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Prof. Peter Stanley Bebington filed a patent on

- An Authenticated Self-Defense System'. First Examination report was received and the reply was sent.
- An intelligent Sensor for Submersible Pump'. First Examination report was received and the reply was sent.
- M. Nisha Angeline published a patent on 'Architecture to Develop Multipliers for High Speed Computing Applications'

Copy Right Published by ECE Department:

Prof. Peter Stanley Bebington registered a copyright on 'Automated Order Processing and Sales Management System'.

M. Nisha Angeline and **Dr.K.R. Valluvan** registered a copyright on 'Multiplication of Binary Numbers using Hybrid Vedic Multiplier using Nikhilam sutra and Karatsuba algorithm with reduction in N-1 bits'.

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