



# 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 feel highly elated in penning down my thoughts in the college newsletter of the academic year 2017-18. The autonomy, a learning free environment, has made the Herculean task as bed of roses to the learners' community. The earnest efforts of the learners, and with the relentless support from the facilitators in all streams has brought glories to the institution. The meritorious students who got recruited in Multi-National Companies have proved their calibre and they would stimulate the instinct among the young learning buds. The students have also scaled their mettle on tracks by clinching trophies in various competitions. The innovative concepts in the sponsored seminars, funded research projects and project exhibition have been well-reckoned by the expertise of domains concerned. My heartiest wishes to accomplish the tasks in various ventures.



### PROJECT EXPO

Project Expo'18 on Engineering Innovations was conducted on 10.3.18. The students exhibited their project ideas with enthusiasm. Mr. C.Prasath, Deputy Manager, Mitsubishi Hitachi Power Systems, Bangalore was the Chief Guest.

### COLLEGE DAY



17th College day was held on 7th April 2018 Mr. V. Jayabalan, HR Manager, Vinayak Infotech was the Chief Guest. Dr. M. Jayaraman, Principal presented the Annual Report. The Best Outgoing Student award for the academic year 2017-18 was given to S.P. Pavithra, Final BME.

### SPORTS DAY

17th Sports day was celebrated on 5.4.2018. Mr. K.Baskaran, Former Captain, Indian Kabaddi



Team Coach of the Pro-kabaddi was the Chief Guest. The Orange house [Department of BME] won the Overall winner Intra-Mural Championship for the year 2017-2018. The sports Best Outgoing was bagged by S.Vijay, BME and C.Sandhiya, EEE.

### PLACEMENT DAY

Mr. V. Jayabalan - HR Manager Vinayak Infotech was the Chief Guest and Mr. M Nandhakumar - Director - Technology & Training Vinayak Infotech. The student registered for placement is 447 and various company issued the order to 392 students.

### VELALAR ALUMNI ASSOCIATION



Alumni Meet 2018 and Decade Meet was conducted on 28.01.2018. Thiru.S.D.Chandrasekar, Secretary & Correspondent, VCET, presided over the function and gave presidential address. Mr.S.S.Gokul Nathan, Alumni (ECE-2006 batch), Deputy Manager, HR, Mahindra and Mahindra Financial Services Ltd., Chennai was the Chief Guest.

### DEPARTMENT OF BIOMEDICAL ENGINEERING

#### GRANTS FROM FUNDING AGENCIES

Dr.S.Mangai and Mr.S.Vigneshwaran received a grant of Rs. 40,000/- from the Indian Council of Medical Research (ICMR), New Delhi for organizing a National Conference on 'Molecular Diagnostics in Personalized Medicine'.

#### ICMR SPONSORED NATIONAL LEVEL SEMINAR

A two-day, ICMR Sponsored, National Level Seminar on 'Advanced Biomaterials Applied in Periodontal Disease Management' was organized on 04 & 05.01.2018.

## **ASSOCIATION VALEDICTORY FUNCTION**

Association Valedictory Function for the BIONIKX & BMESI chapter was organized on 27.03.2018.

## **IEEE INAUGURAL FUNCTION**

An Induction Programme on 'Awareness of IEEE EMBS Membership' was conducted on 28.3.2018. Dr.K.B.Jayanthi, B.E.,M.E.,Ph.D., Secretary, IEEE EMBS (Madras Section), Prof., & Head/ECE, K.S.Rangasamy College of Technology, Tiruchengode was the Chief Guest and delivered a lecture on 'Deep Learning in Health Care'.



## **DEPARTMENT OF CIVIL ENGINEERING WORKSHOP**



A two day ICMR sponsored National Level Seminar on 'Medical Waste Management System- Control Disposal and Safety Measures' was conducted on 27 and 28.03.2018. Fifty participants from various Technical and Paramedical Institutions attended the seminar. Dr. Hamsa Subramaniam, Founder, TPN Hospitals, Erode inaugurated and released the proceedings of the seminar.

## **VALEDICTORY FUNCTION**

The valedictory function of Association RACE was held on 23rd March 2018.

## **STUDENTS' SYMPOSIUM**

The Students' Technical Symposium was conducted on 24th Feb. 2018. Dr.V.Govindaraj, Deputy Central Manager and Head R&D Cell, L&T Construction, Chennai delivered the Inaugural address. Totally 55 Papers were received and 20 Papers were selected for presentation.



## **INDUSTRIAL VISIT**



Third year students under went an Industrial visit to the V.O.Chidambaranar Port Trust, Thoothukudi on 16.02.2018. The students gained practical experience from the port structures and its layout.

## **STUDENTS ACTIVITY**

Twenty Six students of final year took various competitive exams successfully like GATE, Staff Selection Commission, Indian Engineering Service and Indian Engineering Olympiad etc.

## **CONSULTANCY / TESTING ACTIVITIES**

Consultancy in Geotechnical Investigation and testing of soil samples for Rs.41,000/- funds generated by Dr.E.Ravi and Mr.C.Karthik. Testing of concrete cubes and bricks in Concrete lab for Rs.24,000/- funds generated by Dr.E.Ravi and Ms.A.Anitha. Surveying Work at offsite for Rs.5,000/- funds generated by Dr.E.Ravi and Ms.A.Anitha. Testing of water samples in Environmental Engg Lab for Rs.5,500/- funds generated by Dr.E.Ravi and Mr.D.Sakthivel. Amount Generated Rs.75,500/-

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **FOSS TRAINING AND TEST CONDUCTED**

Foss Training programme was conducted for II, III & IV year students in Java and PYTHON. 85% of the students cleared the online test and received the certificates.

### **KANI TAMIL PERAVAI -TAMIL VIRTUAL ACADEMY**

Tamil Virtual Academy sanctioned a sum of Rs.25,000/- to implement Kani Tamil Peravai at VCET for the academic year 2017-18. A webpage in Tamil was created in Wikipedia by the students and faculty members. The Peravai sponsored Computer related books in Tamil worth of Rs.5000/- to the college library.

### **ICMR NATIONAL SEMINAR**

A Two-day ICMR sponsored National Seminar was organized on 'Effects on Environment and Human Health Due to E-Waste' on 22& 23.02.2018. Dr.M.Devasena, Ph.D., ASP, Civil Engineering, Sri Krishna College of Technology, Coimbatore inaugurated the seminar on 22.02.2018.



### **ICT ACADEMY – NEW INDIA STUDENT CHAMPIONSHIP 2018**



The ICT Academy coordinated the largest Learnathon (24hrs Challenge) – a State Level Championship event with the Computer Science and Engineering on 02& 03.02.2018.Mr. Raguathan, ICT Academy addressed the assemblage.

### **AWARENESS PROGRAMME – HIGHER EDUCATION**

The Association of Computer Science and Engineering- MAGNUMOPUS conducted an awareness programme for Pre-Final Year students on 'Study Higher Education in Abroad' on 20.02.2018. Mr.Syed Osama, Business Development Consultant, Staar Uniadvise Pvt. Ltd., Mumbai, briefed out the opportunities existed and suggested valuable ideas.

## **AWARENESS PROGRAMME- COMMUNICATIONAL LANGUAGES**

The MAGNUMOPUS conducted an awareness programme for pre-final year students on 'International Certification for IT and Communicational Languages' on 21.03.2018. Mr.Prakash, Kalvi Institution, Erode addressed the assemblage.



## **COMPUTER AWARENESS AND TREE PLANTING**



The MAGNUMOPUS in association with DORCAS club planted trees at Government Higher Secondary School, Thindal on 21.03.2018. The office bearers of DORCAS club created awareness on 'Computers to the school students'.

## **INTRA DEPARTMENT MEET-TECHIE CLUMP**

The Association of Computer Science and Engineering organized an intra department meet TECHIE CLUMP on 17.02.2018. The meet aimed to bring out the potentiality of students under Multimedia and Paper Presentations.

## **PASSPORT CAMP**

The MAGNUMOPUS organized a 'Mega Passport Service Camp with Airlink Travels, Erode, on 26.02.2018. The UG and PG students were benefitted.



## **SEMINAR ON .NET**

The MAGNUMOPUS conducted a seminar on '.NET' on 06.01.2018. The assemblage was addressed by the technical committee of C-Cube Technologies, Erode.

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **TECHNICAL LECTURE**



Mr. G. R.Senthilkumar, Junior Telecom Officer & Mr. Mathialagan, Sub Divisional Engineer of BSNL-Tamilnadu Circle, Erode delivered a lecture on 'Next Generation Networks (NGN)' on 11.01.18. More than 100 students were benefitted from the program.

## **TNSCST SPONSORED AWARENESS PROGRAMME**

A 3-day TNSCST sponsored awareness programme was conducted on 'An Awareness Creation Programme for Women on Selection, Maintenance and Simple Servicing of Domestic Electrical Appliances for Energy Conservation and Reducing Electricity Bills' from 01.02.2018 to 03.02.2018. Dr.A.Kanasamy, Retd. Chief Engineer, TNEB inaugurated the event. Hands on training was given to the participants along with the faculty members.

## **ONE DAY SEMINAR**

A one-day seminar on 'Higher Education and Career Opportunities in India and Abroad' was conducted on 14.02.18. Mr.Osama Sayed, Staar Uniadvise (Pvt.) Ltd, Mumbai gave hands on training to the participants. More than 100 students from final year and third year ECE participated in the seminar.

## **NATIONAL SEMINAR**

A two day ICMR Sponsored National Seminar was organized on 'Prediagnosis of Tumor and Lung Cancer using Biosensors' on 23 & 24.02.2018. Dr. S.Navaneetha Krishnan, D.T.C.D, M.D., Consultant Pulmonologist, Lotus Multispecialty Hospital, Erode gave hands on training to the participants.



## **NATIONAL CONFERENCE**

The 10th National Conference on 'Trends in Engineering Applications' was organised on 10.03.18. Mr. C.Prasath, Deputy Manager, Mitsubishi Hitachi Power Systems, Bangalore delivered Keynote address.

## **ASSOCIATION VALEDICTORY FUNCTION**

The association of ECE CENIREA conducted Valedictory Function on 27.03.2018. The Students Secretary Ms. MadhuPreetha, IV ECE delivered the annual report of the association.

## **GRANTS RECEIVED**

- The TNSCST sanctioned a sum of Rs.25000/- for conducting 'An Awareness Creation Program for Women on Selection, Maintenance and Simple Servicing of Domestic Electrical Appliances for Energy Conservation and Reducing Electricity Bills'.
- The Indian Council of Medical Research (ICMR) allotted a sum of Rs.40000/- for organizing 2-Day National Seminar on 'Prediagnosis of Tumor and Lung Cancer using Biosensors'.
- The TNSCST offered an amount of Rs.8000/- for conducting the student project on 'Design and Development of Weather Monitoring Flying Machine'.

## **STUDENTS ACTIVITIES**

- K.Arunkumar III-ECE participated in the Eminent World Record event 'TWEAKARCH' held at Salem on 04.02.2018.
- 13 Students won prizes in paper presentation and project exhibition conducted by various institutions. Four students bagged best paper award.
- Three students won the 1st prize and one student won 2nd prize in 'Dare to Stand' and 'C-Hunt' events organised in various institutions.



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### ASSOCIATION ACTIVITIES

**Workshop:** A Two-day Workshop on 'MATLAB and its Applications' was conducted on 05 & 06.01.2018. The sessions were handled by the internal faculty members.

**Hands-On training:** A Two-day Hands-on Training on 'Smart Mobile Technology-Maintenance and Service' was organized on 05 & 06.02.2018. Training was given to students on mobile servicing.

**Value Added Course:** A Two-day Value Added Course on 'Selection of Electronic Components and Basic Circuit Design' was organized on 08 & 09.02.2018. Training was given on the selection of basic electronics components and designing the circuit.

**Workshop:** A one-day ISTE sponsored workshop on 'Introduction to LABVIEW Programming' was organized on 12.02.2018. The students were introduced to the integrated development environment platform.

**Symposium:** The 14th National level Technical Symposium-ELECTROIKA was conducted on 24.02.2018. Dr.C.Govindaraj, Deputy General Manager & Head, L&T Construction, Chennai was the Chief Guest.



**National Conference:** A National Conference on 'Trends in Engineering Applications' was organized on 10.03.2018. Mr.C.Prasath, Deputy Manager, Mitsubishi Power Systems, Bangalore inaugurated the conference. Totally 20 papers were received and 8 papers were selected for presentation.

**Emerflux Valedictory:** The association of ECE - Emerflux conducted a valedictory function. The best performance and the relentless service of the students in all events were appreciated with certificates and cash prizes. The office bearers were certified for their memorable activities.



**Students Activities:** 8 students presented papers in conferences, 10 students displayed their projects in exhibitions and 3 students participated in quiz competition held at various colleges in and around Erode.

### STUDENTS EVENT PARTICIPATION

Around 65 of Electrical & Electronics Engineering students attended events like Hands on Training, Project Expo and other programmes.

## DEPARTMENT OF INFORMATION TECHNOLOGY

### ASSOCIATION ACTIVITIES:

#### Intra Department Meet

An Intra Department Meet was organized on 03.02.2018. Various technical and non technical events were conducted.

#### Social Service Activities

The student's of IT visited the orphanage 'Annai Illam' at Erode on 10.03.2018. The students donated accessories (Bedsheet, Pillows, Biscuits, Hotbox, Mixie and other Utensils) to around 20 children.

An Educational Awareness Program was conducted for the students of Government Higher Secondary School, Villarasampatti, Erode on 23.03.2018.

#### Association Valedictory Function

The association of Information Technology INFOAUXANO conducted the valedictory function on 27.03.2018.

## DEPARTMENT OF MECHANICAL ENGINEERING

### ASSOCIATION ACTIVITIES

**Guest Lecture:** Mr.S.Neppoleon, Manager-HR, DMW CNC Solutions India Private Ltd.,Perundurai delivered a guest lecture on '5S Concepts in Industrial Practice'on 11.01.2018.



**Intra Departmental Paper Presentation:** A technical paper presentation event was organized on the 'Recent Trends in Mechanical Engineering' on 23.01.2018. The students actively participated in the event and presented their papers on various topics.

**Guest Lecture:** A Guest Lecture on 'Overview of Advanced IC Engines' was organized on 17.02.2018. The Chief Guest Mr.P.Arjunraj, Manager-Powertrain-Research and Development, PSA AVTEC Powertrain Private Limited, Hosur explained the advanced IC engines and its working principles.

**Workshop:** A one day workshop on CAD Software was organised on 23.02.2018. Trainers from the CADD Centre, Erode gave training and demo on CAD Software to the students.

A workshop on 'Industry Ready Internship Certificate Program'was organized on 28.02.2018. The experts from Pioneer Design, Coimbatore gave training and explained the usage of Design Software and its applications in industries.



**Mech Zeal Symposium'18:** A National level Technical Symposium was organized on 24.02.2018. Students from various institutions had actively participated in various events like Paper presentation, Quiz, Aqua Rocketry, Junk Yard & Cad Modeling and empower their talents in their respective fields.

## National Safety Day Seminar

A Seminar on 'National Safety Day' was organized on 05.03.2018. Mr.S.Guhaneswaran, Second year Mechanical Engineering explained the safety awareness methodologies.

## FOSSEE Workshop

In association with VCET FOSS Centre a workshop on 'Latex Software' was organized on 14.03.2018. Mr.A.Manojkumar, AP explained the uses of Latex Software in project report preparation.



## Fame - Special Lecture and Valedictory

The Department Association FAME conducted a Special Lecture on 'Career Opportunities for Mechanical Engineers in PSUs' on 26.03.2018. Ms.M.Nisha, Scientist / Engineer, VSSC /ISRO, Trivandrum (Renowned Alumni of VCET-EEE, 2005-2009 Batch) was the keynote speaker.

## STUDENT ACTIVITIES

- 12 students from final Mechanical Engineering attended conferences held at reputed institutions.
- 10 students and 22 students from third and second Mechanical Engineering respectively attended workshops at various institutions.
- 3 students and 6 students from third and second Mechanical Engineering respectively presented papers at reputed institutions.

## DEPARTMENT OF MANAGEMENT STUDIES

### VELALAR CARNIVAL

The Department of Management Studies along with the Department of Computer Applications organized Velalar Carnival on 9th February 2018.

### WORKSHOP

Workshop on "Employability skills - Industry Expectations from MBA Graduates" was organised on 02.03.2018. The Chief guest Dr. Samuel Johnson .K, Dean, VIT University, Andhra Pradesh, handled the session.

### CONSUMER AWARENESS CLUB

"Consumer Awareness Club" of VCET was inaugurated on 05.03.2018. Mr.R.Balasubramaniam, District Secretary, Erode District Consumer Protection Centre, Erode. Inaugurated the Club and addressed the gathering.



### GUEST LECTURE

Mr.OsamaSayed, Business Consultant, STAAR Uniadvise (Pvt.) Ltd., Mumbai delivered a Guest Lecture on "Career Opportunities for MBA in India and Abroad".

### INTRADEPARTMENT MEET



Intra-department meet was held for the first and second year MBA students on 24.04.2018. Various events such as Paper Presentation, Adzap, Business Quiz, Business Plan and Best Manager were conducted.

## CO-CURRICULAR ACTIVITIES OF THE STUDENTS

MBA students participated in various events organised by outside the college and won many prizes. They have participated in KSR College, SSM School of Management, Kongu Engineering College, Karunya University and Jayshriram Group of Institutions.

## DEPARTMENT OF COMPUTER APPLICATIONS

### ASSOCIATION ACTIVITIES

- A Guest Lecture was conducted on 'PHP' on 08.01.2018. Mr.Sans Kumar S, Senior Software Engineer, Ccube, Coimbatore was the resource person.
- The Second MCA students went on an Industrial Visit to Mysuru and Kushalnagar. They visited the Mysore Sandal Company in Mysuru on 19 & 20.01.2018.
- Velalar Carnival, a technical event was organized on 09.02.2018 . Nearly 300 students from various Arts & Science Colleges in and around Erode participated in the event and won cash prizes.
- A one-day workshop on 'PHP for Developing Webpages' was conducted on 14.02.2018. Mr. Sans Kumar S. Senior Software Engineer, Ccube, Coimbatore handled the session.
- A one-day seminar on 'Android Application using Java' was conducted on 20.02.2018 by Ms. N. Keerthana, ETS Academy.
- A Project Expo on Engineering Innovations was organized on 10.03.2018 and around 15 projects were exhibited.

## DEPARTMENT OF ENGLISH

### VALEDICTORY CEREMONY OF ENGLISH LITERARY ASSOCIATION AND TOASTMASTERS CLUB

The Valedictory Ceremony of English Literary Association and Toastmasters Club was conducted on 24.03.2018. Dr.B. Malika, Professor & HoD/English, K.S.R College of Technology, Trichengode, delivered the valedictory address.

## DEPARTMENT OF MATHEMATICS

### PROGRAMS ORGANIZED BY THE DEPARTMENT

#### SPECIAL LECTURE

A special lecture on "Intuitionistic Fuzzy sets and Intercriteria Analysis for Decision Making" and on "Wikipedia" was conducted on 08.01.2018 by Dr. VassiaAtanassova, Senior Assistant, Bulgarian Academy of Sciences.

## WORKSHOP



A CSIR sponsored workshop on “Applications of Graph Theory in Communication Networks” was conducted on 22.02.2018. Dr. T. TamizhChelvam, Professor, Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli and Dr. A. Muthusamy, Professor, Department of Mathematics, Periyar University, Salem addressed the gathering.

## DEPARTMENT OF PHYSICS

### DEPARTMENT ACTIVITIES & PROGRAMMES ORGANIZED

A one-day CSIR sponsored National Level Seminar on 'Nanomaterials for Energy Applications' was organised on 21.03.2018. Dr. T.S. Senthil, Dean (R&D) and HoD/Physics, Erode Sengunthar Engineering College, Perundurai, gave a talk on 'Recent Technologies and Fabrication Methods of Nano Solar Cell'.

### WORKSHOP/ SEMINAR/ FACULTY ENABLEMENT PROGRAM

#### DEPARTMENT OF CIVIL ENGINEERING

**Mr.C.Karthik**, attended a short term course on 'Sustainable Infrastructure Design Using High Strength Metallic Alloys' organised by Global Initiative for Academic Networks Government College of Engineering, Salem.

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Ms.P.Suganthi Malarvizhi** and **Ms.R.Kavitha** attended the Institute of Engineers, Salem Local Center organized workshop on 'Microsoft Azure' at AVS Engineering College, Salem.

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- The faculty members attended the ICMR sponsored two-day National Seminar on 'Prediagnosis of Tumor and Lung Cancer using Biosensors' from 23.02.2018 to 24.02.2018.
- The female faculty members attended an Awareness Creation Program for Women on 'Selection, Maintenance and Simple Servicing of Domestic Electrical Appliances for Energy Conservation and Reducing Electricity Bills'.
- The faculty members attended the ICMR sponsored two-day National Seminar on 'Medical Waste Management System—Control, Disposal and Safety Measures'.
- The faculty members attended the CSIR sponsored National Seminar on 'Nano Materials for Energy Applications' on 21.03.2018.

#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Ms.Radhika**, **Ms.S.Yamuna** and **Ms.D.Sasipreetha** organized a workshop on 'Introduction to Lab View Programming'.

**Mr.D.Rajkumar** and **Mr.C.Gokul**, presented a paper on 'Design and Development of Hybrid Vehicle Smart Control System with Solar Charging' in the International Conference at Selvam College of Engineering on 08.03.2018.

**Mr.P.Rajasekaran**, **Ms.M.Chitra** and **Mr.K.Rajaram**, presented a paper in the International Conference at Nandha Engineering College on 23.03.2018.

**Mr.K.Vanchinathan** applied for the copy right for 'Modified Genetic Algorithm Optimized Fractional under PID Controller for Sensor less Speed Control of BLDC Motor using MATLAB SOFTWARE' on 20.04.2018.

**Dr.S.K.Manikandan** applied for the copyright for 'Multiplication of Binary Number using Hybrid Vedic Multiplier using Nikhilam Sutra and Kavatsuba Algorithm with Reduction in N-1bits' on 03.04.2018.

#### DEPARTMENT OF INFORMATION TECHNOLOGY

**Ms.M.Shanthamani** and **Ms.P.Aarthi** attended the TNSCST supported three-day workshop 'Awareness Creation Programme for Women on Selection, Maintenance and Simple

Servicing of Domestic Electrical Appliances for Energy Conservation and Reducing Bills'.

#### DEPARTMENT OF MECHANICAL ENGINEERING

**Dr. R. Kumaravelan** and **T. Anandaraj** participated in a one day hands on training programme on 'Finite Element Analysis using ANSYS' held at M. Kumarasamy College of Engineering.

**M. Gokul** attended a one-day International workshop on 'Advances in Computational Fluid Dynamics' at Kongu Engineering College, Perundurai on 20.02.2018.

**M.Prakash** attended the CSIR sponsored National workshop on 'Nuclear Materials: Source, Energy, Safety, Medicinal Uses and Harms' at KSR college of Technology, Tiruchengode.

**T.C.R. Dinesh** participated in the National Workshop on 'Challenges & Modern Techniques in Realising Complex Infrastructure' at SHAR, ISRO, Chennai on 05.03.2018.

#### DEPARTMENT OF COMPUTER APPLICATION

**Mr.K.Tharani** attended the ICMR sponsored Seminar on 'Advanced Biometrics Applied in Periodical Disease Management' at VCET on 04 & 05.01.2018.

**Dr.S.Devisuganya** and **Ms.M.Aruna** attended the CSIR sponsored National Workshop 'Applications of Graph Theory in Communication Networks' at VCET on 22.02.2018.

**Dr.V.Srinivasan** and **Ms.T.K.Kartheeswari** attended the ICMR sponsored two-day National Seminar 'Effects on Environment and Human Health due to e-waste' on 22 & 23.02.2018.

#### DEPARTMENT OF PHYSICS

**S. Sathya** attended a seven-day FDTP sponsored by Anna University on 'Materials Science' at Al-Ameen Engineering College, Erode from 05 to 11.01.2018.

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

#### DEPARTMENT OF CIVIL ENGINEERING

**Mr. C. Karthik**, **Mr. S. Suresh**, **Mr. S.C. Sarath Kumar** and **Ms. A. Anitha** attended the National Conference on 'Experimental Investigation on Concrete Using Steel Slag as a Partial Replacement' held at Annapoorana Engg College, Salem.

**Mr.D.Sakthivel** participated in the National Conference Emerging Trends in Civil Engineering on 'Experimental Investigation of Brick Manufacturing by Incorporating Sludge and Sugarcane Waste' and 'Experimental Investigation on Partial Replacement of Coarse Aggregate by E-Waste in Paver Block' held at Nandha College of Technology on 09.03.2018.

**Mr.S.Ramesh Kumar** attended the National Conference Emerging Trends in Civil Engineering on 'Impact of Demonetisation and GST on Construction Industry' held at Nandha College of Technology on 09.03.2018.



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr.V.LathaJothi** delivered a Guest Lecture on 'Design and Analysis of Algorithms' at Builders Engineering College.

**Ms.C.Selvi** delivered a Guest Lecture on 'Artificial Intelligence' at Builders Engineering College, Erode on 04.03.2018.

**Ms.S.Kayalvili** was a resource person to the UGC funded Guest Lecture on 'Introduction to Python and Python Programming' at Vellalar College for Women.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**Dr.V.Chandrasekaran, Mr.S.Mahendrakumar, Mr.K.K.Pradeep, Mr.K.S.Murugesan and Ms.M.Parimala Devi** presented paper in the International Conference, 'Recent Innovations in Engineering, Technology and Management' at Nandha Engineering College, Erode on 23.03.18.

**Ms.R.Premalatha**, presented a paper on 'An Intelligent vehicle Adorned with Accident Identification using Raspberry Pi' in the National Conference 'Electronics, Instrumentation, Automation & Control' at Karpagam College of Engineering on 16.03.18.

**Ms.K.Kavitha**, presented a paper on 'Design and Implementation of High Speed Low Power Modified Booth Multiplier for FFT Algorithm' in the International Conference Science, Technology, Engineering and Management held at Kalaingar Karunanidhi Institute of Technology on 23.03.18.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Dr.K.R.Valluavan, Prof.P.Jayachandar, Dr.K.Venkatachalam, Mr.M.Vijayan, Dr.V.Chandrasekaran, Mr.S.Mahendra Kumar and Ms. T.Sathya** delivered lectures and gave training in the TNSCST sponsored awareness program for women 'Maintenance and Simple Servicing of Domestic Electrical Appliances for Energy Conservation and Reducing Bills' at VCET from 01.02.18 to 03.02.17.

**Dr. K. Venkatachalam** was the Chair Person for the 2nd International Conference 'Computing Methodologies and Communication' at Surya Engineering College, Erode on 15 & 16.02.2018.

**Dr.V. Chandrasekaran**, was the Chair Person for 2nd International Conference 'Computing Methodologies and Communication' at Surya Engineering College, Erode on 15 & 16.02.2018.

## DEPARTMENT OF INFORMATION TECHNOLOGY

**Ms. S. Subathra and Ms. R. Maheshwari** were the resource persons in the UGC Sponsored Guest Lecture Programme on 'Mobile Communication' organized by the Department of Physics, VCW, Erode on 08.03.2018.

The following faculty members presented a paper in the International Conference 'Applied Soft Computing Techniques' at Kalasalingam Academy of Research and Education, Krishnankoil on 23rd and 24th March, 2018.

**Dr.S.Jabeen Begum, Ms.R.Menaka, Ms.T.Premamala, Ms.R.Mynavathi, Ms.M.Shanthamani, Ms.S.Viveka, Ms.T.Nithya, Ms.V.Leela, Ms.S.Suganya and Ms.M.Kavitha.**

## DEPARTMENT OF MECHANICAL ENGINEERING

**Dr.R.Kumaravelan** delivered a Special Lecture in one-day seminar on Application of Finite Element Method of Analysis in

Solving Boundary Value Problems at Sengunthar Engineering College, Erode on 19.03.2018.

**S.Surendar** presented a paper on 'Effect of Sampling Ratio on Tool Flank Wear Classification During Boring Operation Using Machine Learning' in the International Conference, 'Intelligent Systems and Control' held at Karpagam College of Engineering, Coimbatore on 05 & 06.01.2018.

The following faculty members presented a paper in the National Conference, 'NCAMMCE – 18' at M. Kumarasamy College of Engineering, Karur on 09.03.2018.

**Dr.R.Kumaravelan, M.Duraisamy, R.Prakash, M.Prakash, D. Kesavan, M.Gokul, A.Manoj Kumar, V. Mohankumar, S. Arunkumar, T.Anandaraj, G.Mahanandha, L. Arul Shankar, E.Ajaikumar and S.Surendar**

**M.Prakash** presented a paper on 'Performance Analysis of Radiant Super Heater in AFBC Boiler' in the National Conference, 'RAME-18' at Nandha College of Engineering and Technology, Erode on 22.03.2018.

## DEPARTMENT OF MANAGEMENT STUDIES

The following faculty members presented a paper in the Conference, at Rural Banking and Agri-Business for Economic Transformation, Karpagam Academy of Higher Education, Coimbatore. **Dr.T.Vetrivel, Mr.S.Logeshkumar, Mr.Madhukrishnan, Mrs.Muthukrishnaveni, Mr.N.Balachandran and Mr.R.Moorthi.**

## DEPARTMENT OF MATHEMATICS

**Dr.M.Eswaramurthi & Dr.K.Rathi** acted as the Peer committee members in CSIR sponsored Two day National Conference on Modern Mathematical Methods and High Performance computing in Manufacturing and Industrial Engineering Systems conducted by PA College of Engineering and Technology, Pollachi-642002 on 24.01.2018 and 25.01.2018.

**Dr.M.Eswaramurthi** has delivered a guest lecture on "Flow of Viscous Fluid Through Circular Pipe" in ICMR sponsored National Seminar on Modeling the Human Cardiovascular System: The Factors that affect Blood Flow Rate at PA College of Engineering and Technology, Pollachi-642002 conducted on 14.02.2018 and 15.02.2018.

## JOURNAL PUBLICATIONS BY THE FACULTY MEMBERS

### DEPARTMENT OF CIVIL ENGINEERING

**Dr.E.Ravi**, 'An Experimental Study of Alternate Material for Dense Bituminous Macadam Surface', Taga Journal of Graphic Technology, ISSN No: 1748-0345 (online) Vol.14 pp. 546-551.

**Mr.D.Sakthivel**, "Experimental Investigation of Brick Manufacturing by Incorporating Sludge and Sugarcane Waste", Journal of Recent Trends in Engineering and Research, ISSN No:2455-1457, Vol.4, Issue 3 pp-76 to 82.

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr.V.LathaJothi**, "Performance Analysis of Latent Fingerprint Matching", International Journal of Advanced Research Methodology in Engineering & Technology, ISSN 2456-6446, pp. 47–51, March 2018.

**Ms.N.Jayanthi**, "Hybrid Routing Algorithm For Improving Path selection in Sustainable Network", Cluster Computing, Springer, Feb 2018.

**Dr.V.Kavitha**, "A Survey: the Effectual Salient Region Detection Using High Dimensional Color Transform besides Local Spatial

Support”, International Journal of Engineering Science and Computing, pp. 7 (10), 15197-15205.

**Ms.S.Kayalvili**, “Hybrid SFLA-GA Algorithm For An Optimal Resource Allocation In Cloud”, Cluster Computing, Springer, ISSN 1386-7857.

#### **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Dr.K.R.Valluvan**, “Extended Phase Opposition Disposition Pulse Width Modulation Technique for Cascaded 27-level Inverter”, Journal of Computational and Theoretical Nanoscience, Volume 15, Issue 2, pp 4172-422, February 2018. ISSN NO: 1546-1955.

**Dr.K.Venkatachalam**, “IoT Based Precision Agriculture using Agribot”, Global Research and Development Journal for Engineering, Volume 3, Issue 5, pp 98-101, April 2018. (ISSN: 2455-5703)

**Mr.M.Vijayan, Ms.P.Nandhini, Ms.M.Rathika & Ms.L.Revathi**, “Therapeutic Equipments and their applications in the Current Scenario of Medical field”, International Journal of Advanced Research In Management Architecture, Technology and Engineering, Volume 4, Issue 1, pp 42-46, Jan 2018.

**Mr. K. SenthilPrakash**, “Power Aware QoS Enabled Node-Disjoint Multipath Routing Protocol for MANET”, Journal of Signal Processing and Wireless Networks, Volume 2, Issue 1, pp 33-38, January 2018.

**Mr. V.Gowrishankar**, “Designing a High Speed Low Power of Two Stage Dynamic Comparator”, International Journal of Advance Research in Engineering, Science & Technology, Volume 5, Issue 3, pp 198-206, March 2018.

**Dr.V.Chandrasekaran**, “Birds Scaring System for Agricultural Field using Image Processing”, International Journal of Intellectual Advancements and Research in Engineering Computations, pp 184-187, March 2018.

• Other 13 members have published papers in various Journals.

#### **DEPARTMENT OF INFORMATION TECHNOLOGY**

**L.Viji**, et al., “FAQ Chat Bot”, International Journal for Science and Advance Research in Technology, ISSN 2395-1052, Volume 4, Issue 2, February 2018.

#### **DEPARTMENT OF MECHANICAL ENGINEERING**

**Dr.R.Kumaravelan & Mr.T.C.R.Dinesh**, “Advanced and Integrated Security System for Two Wheeler”, International Official Journal of the Patent Office, Feb. 2018.

**M.Prakash**, “Performance Analysis of Radiant Super Heater in AFBC Boiler”, EPH-International Journal of Science and Engineering, Vol. 1, Issue 1, pp-301-306.

#### **DEPARTMENT OF MANAGEMENT STUDIES**

**Dr.T.Vetrivel**, “A study on Employees Job Satisfaction with special reference to CRP at Perungudi town”, International

Journal of Research Review in Engineering and Management, January 2018, Vol,2, Issue no.2, pp.67-85.

**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, February 2018.

**S.Logeshkumar**, “Role of IT in Banking Sector”, Emperor International Journal of Finance and Management Research ISSN: 2395-5929, Volume-I, Special Issue-02, February 2018, PP 271-273.

**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, Volume-3, Issue-02, Feb-2018.

#### **DEPARTMENT OF COMPUTER APPLICATIONS**

**Dr.S.Devisuganya**, was the resource person in the Intercollegiate Workshop on 'Knowledge Mapping in Research' on 20.03.2018 at Sri Vasavi College, Erode.

#### **DEPARTMENT OF MATHEMATICS**

**Dr.K.Rathi**, published a paper on “Application of Intuitionistic Fuzzy Soft Matrix Theory” in the International Journal of TAGA Journal of Graphic Technology, ISSN:1748-0345, Vol. 14, Pg.No. 389-396, Feb 2018.

#### **BOOK PUBLICATION**

#### **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Dr.K.R.Valluvan, Ms.T.Sathya, & Ms.P.Nandhini**, published a Book on 'Fundamentals of Electron Devices and Circuits' by Charulatha Publications, Chennai in the year 2018 with the ISBN No: 978-93-86532-67-1.

#### **DEPARTMENT OF MATHEMATICS**

**Dr. M. Eswaramurthi and Dr. K.Rathi** published a Book on “A Text Book of Mathematics for Engineers” Pearson India Education Services Pvt. Ltd.

#### **DEPARTMENT OF PHYSICS**

**Dr. DeepaJananakumar and Dr. N. Thangaraj** published an book on “Materials Science”, KKS Publishers, Chennai, Jan 2018, ISBN: 978-93-83216-20-8.

#### **AWARD**

#### **Ph.D COMPLETED**

#### **DEPARTMENT OF COMPUTER APPLICATION**

**Dr.S.Devi Suganya** completed her PhD in the Faculty of Science and Humanities from Anna University, Chennai in January 2018.



#### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Dr.V.Kavitha** completed her PhD in the Faculty of Information and Communication Engineering from Anna University, Chennai in March 2018.



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