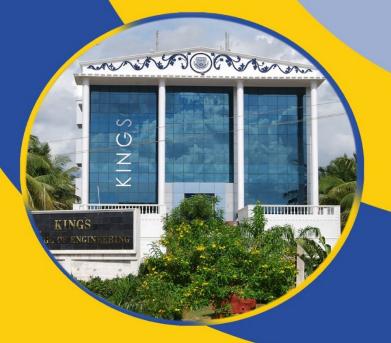




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# KINGS AT MEDIA

#### THE HINDU 10.01.2020 PAGE 2

# **ENGAGEMENTS**

#### **PUDUKOTTAI**

Kings College of Engineering, Punalkulam: Workshop on Innovative pedagogy and ICT enabled technology and learning practices, K.Lakshmi, director, e-governance, Periyar Maniammai Institute of Science and Technology, inaugurates, 10 a.m.

#### THE HINDU 13.03.2020 PAGE 3

# **ENGAGEMENTS**

# **PUDUKOTTAI**

Kings College of Engineering: Conference on Emerging trends in Computing, control and communication technology, Arun K. Majumdar, Professor, University of Colorado, chief quest, Punalkulam, 10 a.m.

# THE HINDU 22.01.2020 PAGE 2

# **ENGAGEMENTS**

#### **PUDUKOTTAI**

Kings College of Engineering, Punalkulam: Entrepreneurship awareness camp, R.Elango, president, TIDITSSIA, inaugurates, 10 a.m.

# THE HINDU 01.02.2020 PAGE 3 ENGAGEMENTS

## PUDUKOTTAI

Kings College of Engineering: 15th Graduation Day, 10.31 a.m.

# THE HINDU 04.02.2020 PAGE 2

# Graduation day

A total of 225
Candidates, including university rank holders, received degrees from their parents during the Graduation Day of Kings College of Engineering, Punalkulam. Sharmila Rajaa, chairperson, inaugurated the ceremony. J. Arputha Vijaya Selvi, Principal, presented the graduation day report.

## CAMPUS CONNECT



(above) University rank holders of Kings College of Engineering, Punalkulam, being felicitated during the Graduation Day ceremony.

# THE HINDU 28.01.2020 PAGE 3

# CAMPUS CONNECT

#### MoU signed

Two colleges in the region have signed memorandum of understanding with Tiruchi District Tiny and Small Scale Industries Association for improving employability skills of their students.

The MoU was signed between Kings College of Engineering, Punalkulam, and TIDITSSIA to facilitate technical training for students and bridge the gap in employability skills with industry specific inputs. R. Ilango, president, TIDITSSIA, elaborated on activities taken up by TIDITSSIA. J. Arputha Vijaya Selvi, Principal, spoke.

# ▶ DEPARTMENT OF CIVIL ENGINEERING ♣ EVENTS ORGANISED

• Ms. M.Priya, AP/CIVIL organized a Guest Lecture on "**Soil Mechanics**" for II yr (25) Students on 07<sup>th</sup> January 2020. Mr.K.Sakthi Murugan, AP/Civil, Anjalai Ammal Mahalingam Engineering College, Thanjavur, graced occasion and addressed the gathering.



Mr.K.Sakthi Murugan, while delivering the lecture

•Ms.M.Priya, AP/CIVIL organized a Workshop on 'Approval Drawing Preparation by using AutoCAD' for external student participants (69) on 13<sup>th</sup> February 2020. Resource Person Ms.R.Revathi, HOD/Civil, Kings College of Engineering, enriched the session with the ideologies.



Dr.S.Sivakumar, Vice-Principal, KCE, Mrs. R.Revathi, HoD and the organiser during the inaugural session.



The guest, Ms.R.Revathi, while delivering the lecture

•A Design Club in the name of "**BE Club**" was established for the Civil Department students on 19<sup>th</sup> Feb, 2020. Dr.S. Sivakumar, Vice Principal, presided the Inaugural function and Ms.K.Bhavarohini, AP/CIVIL, had organized the event.



Dr.S.Sivakumar, Vice-Principal, Mrs. R.Revathi HOD, Civil, staff & students while releasing the BE Club Logo

• Mr.M.Senthamizhan, AP/Civil, A. C College of Engg. & Tech., Karaikudi, resourced a guest lecture on "**Highway Engineering**" for III yr Students (39) and it was organized by Ms.K.Jeyashankari, AP/CIVIL on 22<sup>nd</sup> February, 2020.



The guest Mr.M.Senthamizhan is honoured by our staff

●Mrs.R.Revathi, HOD & Mr.K.Arun, AP/Civil resourced a session on "Column Marking & Total Station" for Diploma students organised by Mr.K.Arun & Mr.S.R.Elwin Guru Chanth, AP/CIVIL on 06<sup>th</sup> March 2020.



Dr.S.Sivakumar, Vice-Principal, Mrs. R.Revathi, HoD & the organisers seen during the inaugural session.



As part of the session, a practical training on marking is held to students attended the programme.

•Mrs.R.Revathi, HOD/CIVIL, KCE resourced a One Day Workshop on 'Land Surveying demo with hands on Training by Total Station' for Internal & External students of UCE Pattukkottai, on 12th March 2020.



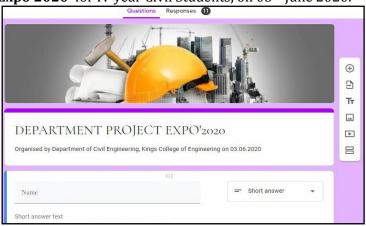
Mrs. R.Revathi, HoD/CIVIL, KCE while extending a fervent address during the Inaugural session

K.Arun, AP/CIVIL organized an Online Quiz on **'Current Affairs and General Intelligence** for Internal & External participants. A total of 957 students participated the program held between 10<sup>th</sup> & 11<sup>th</sup> May 2020.



A Google Registration Form of the Online Quiz prog

•Mr.K.Arun, AP/CIVIL organized a '**Department Project Expo'2020'** for IV year Civil Students, on 03<sup>rd</sup> June 2020.



A Google Registration Form of Department Project Expo'2020

•Mr.K.Ranjith, & Ms.K.Bhavarohini, AP/CIVIL organized an Intra Department **Paper Presentation-2020** for II year & III year Civil Students on 04th June 2020.



A Google Registration Form of the Intra department paper presentation programme.

## ► FDP, STTP, SEMINAR & WORKSHOP ATTENDED

- •10 staff members attended Webinar on "Employability skills in curriculum design "organized by Adishankara College of Engineering & Technology, Gudur on 26<sup>th</sup> April 2020.
- •10 staff members attended Webinar on "**Drafting effective project proposal**" organized by Sri Krishna College of Engineering & Technology, on 28th April 2020.
- •10 staff members attended workshop on "Latex Software" organized by IQAC, Kings College of Engineering, Thanjavur & offered by Spoken tutorial project, IIT Bombay, through ICT, on 29th April 2020.
- •10 staff attended National Web Conference on "Creating Infrastructure Digital Twin & Digital Construction Technology" organized by CADD in

association with Bentley Institute, between  $29^{\rm th}~\&~30^{\rm th}$  April 2020.

- •10 staff members attended E-expert talk on "Case study of failures in Civil Engineering projects" organized by ICI Nagpur & ACC cement in association with Civil Engineering Department, KDKCE, Nagpur on 30<sup>th</sup> April 2020.
- •10 staff members attended Webinar on "University Industry Linkage Different Mechanisms" organized by Adishankara College of Engineering & Technology, Gudur, on 02<sup>nd</sup> May 2020
- •10 staff attended Online Workshop on "Recent Advances in Science and Technology of concrete" organized by Indian Institute of Technology, Madras on 02<sup>nd</sup> May 2020.
- •10 staff members attended Webinar on "Piles in Soft Clay Field Experience" organized by IGS Gudur chapter & E-expert talk on "Forensic Structural Engineering" organized by Civil Dept of KDK College of Engineering, Nagpur, on  $03^{rd}$  May 2020.
- •10 staff members attended webinar on "Pavement Analysis and Design" presented by Dr.Sakthivelan Rama chandran, Director, Rams Engineering Consultancy Services, Chennai & Attended online workshop on "Open Foam Software" organized by IQAC, Kings College of Engineering, Thanjavur & offered by Spoken tutorial project, IIT Bombay through ICT on 04th May 2020.
- •10 staff members attended a 5 day online FDP on "Advancements in Concrete Technology" organized by Dept. of Civil Engineering, Kongu Engineering College, in association with ACI between 15th and 19th May 2020.
- •10 staff members attended online FDP "Analysis and Modelling of Pandemic Scenarios using Empirical and GIS Techniques" organized by Lakireddy Bali Reddy College of Engineering, Andhra Pradesh, on 20th May 2020.
- •10 staff members attended a webinar on "Diaphragm Wall Earth Retention System" organized by Dept. of Civil Engineering, K.Ramakrishnan College of Technology, Trichy, on 04th June 2020.
- •10 staff members attended a Webinar on "Civil **Engineering Software**" organized by KPR Institute of Engineering & Technology, Coimbatore, on 06<sup>th</sup> June 2020.
- •10 staff members attended Online Webinar on **"Fundamentals of Computational Fluid Dynamics"** organized by Chennai Institute of Technology, Chennai, on 09th June 2020.
- •10 staff members attended National Webinar (Day-1) on "EDUCATION 4.0-Ensuring Continuity in learning and Innovation through Digitalization" organized by Sinhgad Institute of Management, Pune on 11th June 2020.
- •10 staff members attended Webinar on **"Soil Investigation on Methods, Challenges & Solutions"** organized by Lakireddy Bali Reddy College of Engineering, Andhra Pradesh, on 13<sup>th</sup> June 2020.

•10 staff attended A Two Week Webinar Course on "Concrete Technology Past, Present & Future" organized by NIT-Tiruchirappalli between 15<sup>th</sup> & 26<sup>th</sup> June 2020.

#### STUDENTS' FEATS

- •V.Vijay Participated Second series of National conference-2020 Project Title "Comparison of M40 grade concrete with river sand, M-sand & dune sand with crushed stone aggregate" organized by Dhanalakshmi Srinivasan Engineering college, Perambalur, on 14th March 2020
- M.Soundariya, Participated in **"World Intellectual property rights day Quiz"** organized by IPR cell & IIC of Noorul Islam centre for higher education, Kumaracoil, on 27<sup>th</sup> April 2020.
- •V.Vijay, K.S.Guru Swathik, M.Soundariya, R.Nanthini attended IIC Online session on "Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs" organized by MIC, on 29th April 2020.
- •M.Mukilan & M.Nithish Kumar, attended Webinar on "Earthquake resistant structures" organized by S.A. Engineering College, Chennai, on 13th May 2020.
- •IV Year Students participated online "**Project Expo**" at Kings College of Engineering on 3<sup>rd</sup> June 2020.
- •II & III Year students participated in Online Inter Department "Paper Presentation-2020" held at Kings College of Engineering on 04th June 2020.
- •K.Kowsalya & R.Apurva participated in National Level Online Quiz on the theme of "Celebrate Biodiversity on World Environment Day 2020" organized by PMIST, Thanjavur, on 07th June 2020.
- •M.Soundariya & M.Mukilan attended Webinar on **"Design of flexible pavement using IRC"** organized by Mohamed Sathak A.J College of Engineering, Chennai, on 14<sup>th</sup> June 2020.
- ➤ DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## **EVENTS ORGANISED**

•Ms. S.Puvaneswari, AP/CSE organized an Orientation **Program** for IV CSE Students on 16.12.2020.



**Attentive Participants of Orientation Program** 

•Ms.S.Puvaneswari, AP/CSE organized a 'Hands on Training in System Assembly' through IEI Students Chapter on 20.12.19.



As part of the programme, Mr.Selvakumar, System Administrator, performs a demonstration on the theme

•Mr.Arun, Mr.Rajarajan and Mr.Sriram Kumar, Mr.D.Sivakumar coordinated the inaugural function of Multimedia and Code Club on 10.01.2020.



**Dr.R.Rajendran, Secretary honors our Chief Guest**•Mr.M.Arun, Mr.S.Rajarajan organized a **Certificate Design Competition Event of Multimedia and Code Club** on 11.01.2020.



Active participation of the students in the competition

•Ms P.Nalayini, AP/CSE organized a Guest Lecture on "Oracle Architecture and the ITIL Concepts" for II year students on 13.01.20



Mr.K.Sathish Raj, Oracle Database Admin, IBM India Private Limited, Chennai, gives a lecture on Oracle Architecture & ITIL Concepts



Ms.P.Chellamani describes the concepts of NOSQL







# JOURNAL & CONFERENCE PUBLICATIONS Student Publications: Conference

- •K.Nathiya, P.Suriya Priya, M.Haritha, G.Chandra Praba presented a paper titled 'Prediction and Analysis of Key Performance Indicator (KPI) for Student using Data Science' in the National conference on "Recent Trends and Technologies in Computing" NCRTTC'20, organized by Arasu Engineering College, Kumbakonam on 12.03.2020.
- •G.Selvarani, V.Saranya, T.Bakyashri, R.Ranitha presented a paper titled, IOT based Early Detection and Prediction of Unfavourable Pathogens in Cattle (Cow), in the National conference on "Recent Trends and Technologies in Computing" NCRTTC'20 organized by Arasu Engineering College, Kumbakonam on 12.03.2020.
- •S.Girija, S.Thilagavathi, R.Sugantha Lakshmi, presented a paper titled, Automated Water Management and Leakage Detection System using IOT, in the National Conference on "Recent Trends and Technologies in Computing" NCRTTC'20 organized by Arasu Engineering College, Kumbakonam on 12.03.2020.
- •M.Sameena Farjiz, M.S.Rakshana Begum, A.Anantha Pathma Priya, R.Sriram Kumar, presented a paper titled, Smart Self Defense & Monitoring System incorporating GPS and GSM Technologies, Advanced Technology in Power & Robotics Engineering, organized by Arasu Engineering College, Kumbakonam on 21.02.2020
- •K.Karthika, R.R.Gayathiri, S.Nandhini, M.Priyanka, S.Puvaneswari, presented a paper titled, IOT Based Fire and Gas Accident Prevention System for Industries, in the National Conference on Advanced Technology in Power & Robotics Engineering, organized by Arasu Engineering College, Kumbakonam on 21.02.2020
- •S.Vinodhini Joyce, R.Pavithra, M.Subhiksha, K.Abhirami, presented a paper titled, IOT Based Paddy Crop Disease Identification and Prevention System, in National Conference on Recent Trends and Technologies in Computing NCRTTC'20, organized by Arasu Engineering College, Kumbakonam on 12.03.2020
- •K.Priya, R.Nithiya, S.Priyadharshini, S.Abirami,

- D.Sivakumar, presented a paper titled, IOT based Smart System Detecting Air Pollution Aiding Asthma Patient, in National Conference on Recent Trends and Technologies in Computing NCRTTC'20, organized by Arasu Engineering College, Kumbakonam on 12.03.2020
- •P.Nithish Kumar, J.Thooyavan, K.Thayumanavan, P.Nalayini, presented a paper titled, Mono Systematic Monitoring system handling multiple sequence of DB, in International Conference on Intellectual Research in Science, Engg & Mgmt ICIRSEM- 2020, organized by St.Joseph College of Engineering & Technology, Thanjavur on 09.03.2020
- •N.Bharani Dharan, A.Mohammed Abrar, C.Nivash, K.Makesh, M.Arun, presented a paper titled, IOT Based auto climate change monitoring to support warehouse logistics, in International Conference on Intellectual Research in Science, Engg & Mgmt ICIRSEM- 2020 organized by St.Joseph College of Engineering & Technology on 09.03.2020
- •M.Bharathvaj, S.Vignesh, I.Yazhthilipan, S.Rajarajan, presented a paper titled, Heart Arrhythmia Detection Using GPU Deep Learning, in International Conference on Intellectual Research in Science, Engg & Mgmt ICIRSEM-2020, organized by St.Joseph College of Engineering & Technology on 09.03.2020
- •K.Edwin Raj, G.Venkateshwaran, K.Rajesh, presented a paper titled, Android App Handling Clinical Data Aiding Diagnosis, in International Conference on Intellectual Research in Science, Engg & Mgmt ICIRSEM- 2020, organized by St.Joseph College of Engg., & Tech., on 09.03.2020
- •S.Aravindh, R.Vidhyadar, M.Sambath Kumar, B.Sangeetha, presented a paper on Forest Fire Detection Based on IOT in International Conference on Intellectual Research in Science, Engineering & Management ICIRSEM- 2020, organized by St.Joseph College of Engineering & Technology on 09.03.2020
- •M.Surya Prakash, M.Venkateshwaran, Dr.S.M.Uma, presented paper on 'IOT Based Transformer Monitoring System' held at Kings College of Engineering on 13.3.20.
- •E.Jeevitha and N.Deepa, presented paper on Multi View Facial Expression Based on GSRRR Model, Advanced Technology in Power & Robotics Engg, organized by Arasu Engineering College, Kumbakonam on 21.02.2020
- •G.Saranya and S.M.Uma, presented a paper on 'Home appliances control using Android Application' in International Conference on Intellectual Research in Science, Engg & Mgmt ICIRSEM-2020, organized by St.Joseph College of Engineering & Technology, Thanjavur on 09.03.2020
- •G.Saranya and S.M.Uma, presented a paper on "Skin Lesion Classification Using Supervised Algorithm in Data Mining" in Advanced Technology in Power & Robotics

Engineering, organized by Arasu Engineering College, on 21.02.2020

- •S.Nandhini Devi and S.Rajarajan, presented paper on Data Sharing Protocol to Minimize Security and Privacy Risks in Cloud Storage, in Advanced Technology in Power & Robotics Engg, organized by Arasu Engineering College on 21.02.2020
- •G.Saranya and Dr. S.M.Uma, presented paper on "Feature Selection Technique Using Hybridization of Iwo and SSA for Skin Lesion Cancer Prediction" held at KCE, Punalkulam on 13.3.20.
- •S.Nandhini Devi and S.Rajarajan, presented paper on "Enhancing the Data Security in Cloud Using Steganography" held at KCE, Punalkulam on 13.3.20.

# > STAFF PUBLICATIONS: JOURNAL

- •G.Saranya, and S.M.Uma, published a paper on 'A New Hybrid Squirrel Search Algorithm And Invasive Weed Optimization Algorithm For Skin Lesion Cancer Classification' in Int. Research Journal of Engg & Tech.
- •S. Nandhini Devi, and S. Rajarajan, published a paper on 'A Data Sharing Protocol to Minimize Security and Privacy Risks in Cloud Storage using Steganography Techniques' in Int. Research Journal of Engg. & Tech.

# FDP, SDP, SEMINAR, WORKSHOP WEBINAR & ONLINE ACTIVITIES ATTENDED

- •M.Arun, S.Rajarajan attended a Workshop on Research Articles Writing using LaTex, organized by Kongunadu College of Engineering & Technology on 24.01.2020
- •K.Abhirami and R.Suganthalakshmi, attended Webinar on Critical Thinking organized by Our Human Talents on 12.02.2020
- •K.Abhirami and R.Suganthalakshmi attended a seminar on Citation analysis & research ethics, organized by National college of Arts & Science on 07.03.2020
- •All the staff members of CSE (13) attended NAAC sponsored one day workshop on innovative pedagogy and ICT enabled teaching learning process, organized by Kings College of Engineering on 10.01.2020
- •K.Abhirami attended a One day sensitation workshop on national initiatives for technical teachers training, organized by Sri Krishna College of tech on 24.02.2020
- •S.Vinodhini Joyce, K.Priya, S.Priyadharshini, R.Pavithra, M.subhiksha, R.Nithya, T.Bagyasri, S.Abhirami, M.Priyanka, M.Haritha, S.Girija, S.Thilagavathi, Suriyapriya, Nathiya N.Bharanidharan, R.Vasudevan, B.Thariksalman & S. Vimalraj participated in the DST Sponsored "Entrepreneurship Awareness Camp organized by KCE from 22.01.2020 to 24.01.2020.

# STUDENTS ACTIVITY - CURICULLAR & CO CURRICULAR

- •23 students attended a Short Term Course on Supply Chain Management Organized by Multimedia Club from 25.04.2020 to 29.04020
- •16 students participated in the Online Quiz on Intellectual Property Rights organized by Noorul Islam University, Chennai on 26.04.2020
- •8 students completed and received certificates an Online Certificate Course on Elements of AI organized by UK University and sponsored by Google (ECTS credit course) on 26.04.2020.
- 6 students completed and received certificates on Basic Game Development Course organized by Programming Hero Association on 28.04.2020

#### STAFF: ONLINE WEBINAR AND FDP ATTENDED

S.No	NAME	TOTAL
1.	Dr.S.M.UMA	Webinar-76; FDP-14
2.	Ms.K.Abhirami	Webinar-44; FDP-8
3.	Ms.S.Puvaneswari	Webinar-23; FDP-9
4.	Ms,B.Sangeetha	Webinar-20; FDP-3
5.	Mr.K.Rajesh	Webinar-25; FDP-3
6.	Mr.S.Rajarajan	Webinar-27; FDP-8
7.	Ms.R.Ranitha	Webinar-65; FDP-7
8.	Dr.D.Sivakumar	Webinar-30; FDP-3
9.	Ms.R.Suganthalakshmi	Webinar-35; FDP-7
10.	Mr.R.Sriramkumar	Webinar-27; FDP-4
11.	Mr.M.Arun	Webinar-26; FDP-4
12.	Ms.G.Chandraprabha	Webinar-24; FDP-6

# > DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING EVENTS ORGANISED

• Dr. T. Shanthi AP/ECE organized a One Day Guest Lecture on "Industrial Automation" on 30.01.2020. Mr.D.Nagarajan and Mr. Vairavan Branch Manager, ETCS, Trichy were the resource persons. The programme was attended by 51 students and 15 staff members.



Keen oberservation being exhibited by participants

• Mr. T. Pasupathi AP/ECE organized a One Day Guest Lecture on "Softskills" on 24.01.2020. Mr.R.Ramachandran, Former Professor, Irrigation Management Training Institute Trichy was the Chief Guest of the programme attended by 120 students and 17 staff members.



• Mr P.Rajapirian, AP/ECE and Mrs P.Thirumagal, AP/ECE organized a One Day Workshop on "Machine Learning using Python" attended by 50 internal and 30 External students on 14.02.20. Mr. Karthi Ranganathan, Businees Head, Ifandfor Endeavours was the resource person.



•Mrs. R. Ponni AP/ECE organized a Guest Lecture on 'Wireless Communication' on 15.02.20. Mr.Abishek Kumar, JRF/ECE/NIT, Surathkal resourced the programme attended by ECE students.



•Mr. R. Thandayuthapani AP/ECE & Mr. S. Sivakumar AP/ECE organized a One Day Workshop for Polytechnic

Students on "Higher Education & Role of Engineers in Future India" attended by 25 External students on 06.03.20. Dr. A. Senthil Kumar, Project Scientist, IIT-M, Chennai & Mr. K. Amirtha Ganesh, Director, Armada Industrial Automation Thanjavur were the resource persons.



•Mrs. R. Ponni AP/ECE & Mr. P. Rajapirian AP/ECE organized a National Conference on "Emerging Trends in Computing and Communication Technology" attended by 30 internal and 40 External students on 13.3.20. Dr. Arjun K. Majumdar, Full Professor, Colorado University, USA was the Chief Guest.



•Mr. P. Rajapirian AP/ECE organized and delivered a One Day Workshop under IEI Professional Society on "Home Automation using Embedded Systems" attended by 30 IEI student members on 04.01.20.



•Mr. S.Sivakumar AP/ECE organized a Technical Event on "Cross Word" on 08.02.20 under ISTE students Chapter. Mrs. D. Vennila AP/ECE & Mrs. P. Thirumagal AP/ECE acted as juries. Nearly 50 ISTE student members participated in this event.





•Mr. P. Rajapirian AP/ECE organized a Technical Demonstration on "Wireless CCTV Installation" participated by 30 IEI student members on 09.02.20 under IEI Professional Society. Mr. P. George Nelson, George's Tech, Kumbakonam was the resource person.



•Mr. P. Rajapirian AP/ECE, Mr. R. Balakrishnan & Mr. A. Herald AP/ECE organized **A One Day Industrial Visit** at BSNL, Trichy on 05.03.20. 2nd and 3rd year students took part in the industrial visit.



# **CONFERENCE PUBLICATIONS - STUDENTS:**

- •P. Abarna, K. Dhurka, Elakiya, M. Sutha presented paper on "Implementation of Smart Agriculture System using IoT", held at Kings College of Engineering on 13.3.20.
- •Abarna. R, Agalya. S, Archana.T, Kayadevi. G presented paper on "An IoT based Self Perception of Health Disease" held at Kings College of Engineering on 13.3.20
- •Abinayakarthika, Sripriya. M, Tamilazhagi. T, Poovizhi. A have presented paper on "Plant Disease Detection by using Image Processing" held at Kings College of Engineering on 13.3.20.
- •Akalya K, Harini. M, Megala M, Jenifer.X A presented paper on "Self Zone Identification and Safety Alert Systems for Fisherman" held at St. Joseph's College of Engineering and Technology on 09.3.20.
- •Ariyavarshini J, Dhanaharshini. S, Priydharshini P presented paper on "Ambubot Automated External **Defibrillator Robotic Ambulance**" at St. Joseph's College of Engineering and Technology on 09.3.20.
- •Priyadharshini K, Vithyasri U.K, Santhakumari J, Sasireka V presented a paper on "Smart Caretaking System for Uncomplainable Patients and Babe in Arms" at Dr. Kalam Institute of Engineering & Research, Chennai on 17.2.20.
- •Veeramani M, Antony Bernad F, Sethupathi M, Balaraman A.K of IV year ECE presented a paper on "Intelligent System Based Frequency Analysis and Control" at Hindustan Institute of Technology, Coimbatore on 13.2.20.
- •Ilankhatir E, Balaji M, Hariharan M, Mohamed Asif Khan of IV year ECE presented a paper on "Initial Lung Cancer Detection using Machine Learning Algorithm" at Hindustan Institute of Technology, Coimbatore on 13.2.20.
- •Priyadharshini.G, Vithya K, Pavithra N, Vinitha K of IV year ECE presented a paper on "Electronic DD: Design and implementation of Modified Automated Teller

**Machine"** at Parisutham Institute of Technology and Science, Thanjavur on 13.2.20.

#### PROPOSALS SUBMITTED AND GRANTS RECEIVED

- •Dr.J.Arputha Vijaya Selvi, Prof/ECE and Mr.P.Rajapirian AP/ECE submitted a proposal on **ATAL Community Innovation Center** to NITI AYOG to the tune of Rs.70, 16,600/-
- •Mr.P.Rajapirian and Mrs.P.Thirumagal AP/ECE submitted a proposal for conducting Symposium on **Internet of things using Raspberry Pi**.
- •Mrs. N. Mangaiyarkarasi AP/ECE, Mr. W. Newton David Raj AP/ECE submitted a proposal on "Machine Learning for Signal Processing" to ISTE for Rs. 25,000/-

#### **STAFF PARTICIPATION:**

- •Mr. R. Balakrishnan AP/ECE, Mr. T. Pasupathi AP/ECE attended the "**IIC Innovation Ambassador Series**" organized by RMK Engineering College, Chennai on 08.01.20 and 09.01.20.
- •Six of our staff members attended the "Innovative Pedagogy and ICT enabled Teaching and learning practices" organized by KCE on 10.02.20.

## **STUDENTS PARTICIPATION:**

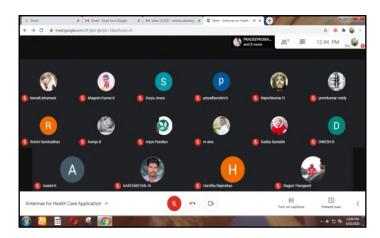
- •S. Thirumurugan and G. Prabhu of II/ECE attended a Two Days Workshop on "**Robotics**" organized by Vellore Institute of Technology, Chennai on 07.01.20 and 08.01.20.
- •A. Agniya II/ME attended a 5Day STTP on "Communication Techniques and Antenna Design" organized by NIT, Trichy on 06.01.20 10.01.20.
- •U.K. Vithyasri, K.Priyadharshini of IV/ECE and P.V.Vaishnavi, C. Srimathi of II/ECE participated in ISTE student chapter technical event "**Cross Word**" organized by Kings College of Engineering on 08.02.20 and won 1st Prize.
- •J. Anitha, R.Ramya of II/ECE participated in ISTE student chapter technical event "**Cross Word**" organized by Kings College of Engineering on 08.02.20 and won 2<sup>nd</sup> Prize.
- •G. Latchayari, A. Kawya, D.Mounih Rajiah, K.Divakar of II/ECE participated in ISTE student chapter technical event "**Cross Word**" organized by Kings College of Engineering on 08.02.20 and won 3<sup>rd</sup> Prize.

#### WEBINAR ORGANIZED DETAILS:

- •Mr.P.Rajapirian and Mr.J.Niranjan Samuel organized a Webinar on "Design of solar PV system for Home" on 12.05.20
- •Mr.T.Pasupathi and Mr.J.Niranjan Samuel organized a Webinar on "Accelerate your Internet of Things (IoT) vision" on 20.05.20.
- •Mrs.R.Ponni AP/ECE, Mr.R.Sathyaraj AP/ECE and Mrs.D.Vennila organized Webinar on "Overview of

# Machine Learning, Deep learning and Natural Language Processing Using Python" on 27.05.20

- •Mr.R.Thandayuthapani AP/ECE organized a Webinar on "Research Trends in Multi-rate Signal Processing" on 27.05.20.
- •Mr.P.Rajapirian AP/ECE & Mrs.D.Vennila organized a Four Day Online Quiz Program on "General Awareness" on 28.05.20 31.05.20
- •Mrs.R.Ponni, AP/ECE Ms.R.Sathyaraj, AP/ECE Mrs.D.Vennila, AP/ECE organized a Webinar on "AGILE Methodology" on 01.06.20
- •Mr.W.Newton David Raj, AP/ECE, Mrs.P.Thirumagal, AP/ECE organized a One Day Webinar on "Modern Antenna Design Challenges" on 06.06.20.
- •Mrs.D.Vennila AP/ECE, Mrs.U.Jeyamalar AP/ECE, Mrs.P.Thirumagal AP/ECE organized a Webinar on **"Embedded and Real time System using Arduino"** during 08.06.20-10.06.20
- •Mr.T.Jeyaseelan AP/ECE, Mr.W.Newton David Raj AP/ECE, Mr.J.Niranjan Samuel organized a Webinar on "Antennas for health care Application" on 10.06.20.



- •Mr.P.Raja Pirian AP/ECE , Mr.R.Thandayuthapani AP/ECE organized "Mini Project Expo − 2020" on 17.06.20
- •Mr.S.Ramarajan, AP/ECE, Mr.A.Herald, AP/ECE & Mr.J.Niranjan Samuel, JRF/R&D organized a Webinar on **"FSOC: Design Challenges"** on 19.06.20.
- •Mr.P.Raja Pirian AP/ECE, Mrs.R.Ponni AP/ECE, Mr.J.Niranjan Samuel, JRF/R&D organized an International Webinar on "Amazon Web Services with EC2,EB &S3" on 29.06.20

# **JOURNALS AND PUBLICATIONS:**

U. Jeyamalar AP/ECE, G. Priyadharshini, K. Vidhya, K. Vinitha, N. Pavithra, published a paper on "Electronic Demand Draft: Design and Implementation of Modified Automated Teller Machine in Studies in Indian Place Names, Vol.40, Iss.76, March 2020.

# WEBINAR ATTENDED DETAILS (MAY 2020):

EDINANCATI TENDED DETAIL	Webinar/FDPAttended
Dr. T. Shanthi	33
Mrs. N. Mangaiyarkarasi	49
Mrs. R. Ponni	41
Mr. K. Sudarsanan	31
Mr. S. Ramarajan	32
Mr. R. Sathyaraj	36
Mr. T. Jeyaseelan	25
Mr. A. Herald	18
Mr. P. Rajapirian	40
Mrs. U. Jeyamalar	84
Mr. W. Newton David Raj	111
Mrs. D. Vennila	58
Mrs. P. Thirumahal	50
Mr. R. Balakrishnan	58
Mr. T. Pasupathi	28
Mr. R. Thandayuthapani	65
Mrs. S. Sivakumar	19
Mr. J. Niranjan Samuel	17

# DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING EVENTS ORGANISED

•2010 batch Reunion of EEE Students – Alumni Meet was organized on 18.01.2020. Mrs. Sharmila Rajaa, Chairperson, KCE graced the occasion as guest of honour. Mr.Balamurugan, honored the Secretary with a shawl and memento.



•Alumni interaction program was conducted on "Career Guidance & Higher Studies". Mr. Arun Shyam Raj, Usha Fire & Safety delivered a lecture.



**10** 

•Alumni interaction was conducted on 12.02.2020. Mr.Nithish Badran (2011 batch) from Amazon India rendered a briefing on "Opportunities of Electrical Engineers in Private Sector" and Er.Velmurugan from Voltech also addressed the students.



**Demonstration of Electrical Machines** 



•Industrial visit to various companies was arranged for our III and IV Year students.



Field visit to ArmadaTechnologies, Thanjavur



Field visit to nRoot Technologies Pvt Ltd

• Students Project Club was Inaugurated at the helm of our Principal, J. Arputha Vijaya Selvi. The Vice Principal and the Head of the department had advised the students to make use of the club proactively.



**Launch of Project club** 

•National conference was organised on 12.03.2020. Prof.Arun.K.Majumdar, Adjunct Professor, Colorado State University, USA graced the occasion as the chief guest. He explained about the recent trends, growth, future scope, ongoing projects and research in the field of Engineering. In addition, he delivered keynote address on the Fundamentals of Free Space Optical Communication.



Release of NCON'2020 Proceedings by the dignitaries

•Department of EEE conducted a One Day Workshop on "Advanced Control Techniques in Industrial Engineering" for the diploma students of this region.



**Workshop Inauguration** 

#### OTHER EVENTS CONDUCTED

- •A Technical Quiz was condcuted for our students on 04.01.2020.
- •A special lecture on **"Embedded Systems"** was rendered by Mr.T.Jeyaseelan, AP/ECE, on 31.01.2020
- •A seminar on **"Software tools for Elctrical Engineers"** was presented by Mr.R.Sundaramoorthy, AP/EEE, KCE on 28.02.2020
- •A seminar on **"Energy Conversion"** was held by Mr.J.Arokkiaraj, AP/EEE, KCE on 15.02.2020.
- •Two skill development courses **Solar Panel Installation** and **Wireman Control Panel** were conducted by our department under **PMKVY scheme**. Mr. J.Arokkiaraj and Mr.S.R.Karthikeyan, AP/EEE were the course coordinators.
- •"Kings Science Expo" was organised via online and the participants were evaluated and honoured with cash prizes on 05.06.2020
- •Two projects titled as Mini Hydro Power Project for Schools & Solar Powered Smart Irrigation Systems were submitted to "Smart India Hackathon" competition.
- •An online quiz competiton was conducted on 29.05.2020. Prticpants from all over India numbering 220 participated.

•A One Day Workshop on "Advanced Control Techniques in Industrial Engineering" was conducted on 21.02.2020. Dr.M.Meenalochani, AP/EE, KCE and Mr.R.Sundaramoorthy, AP/EE, KCE were the resource persons. Mr.J.Arokyaraj, AP/EE, KCE conducted the lab session. Dr.S.Sivakumar, VP, inaugurated the workshop. 30 external participants participated in this event.



Dr.S.Sivakumar VP delivers during Workshop



Mr.J.Arokiaraj, AP, handles a Practical session



**Workshop Certificate Distribution session** 

- •A webinar on **"Optimization Techniques"** was organised on 15.05.2020. Dr.M.Meenalochani, AP/EE, KCE was the resource person and 70 participants from various institutions took part.
- •A Webinar on **Design of Overhead Transmission Lines** was organized on 19.06.2020. Mr. Vinit Mehta,

- Research Scholar, MBM Engineering College, Jodhpur was the resource person. About 75 participants attended the session.
- An online quiz on "Renewable Energy Systems and Power Systems" was conducted on 20.06.2020. Students from various engineering colleges numbering 130 participated.
- A webinar on **"Sentiment Analysis"** was conducted on 23.06.2020. Dr.M.Sangeetha, Professor, VSB College of Engineering, Karur delivered lecture and it was attended by 75 participants.
- A webinar on **Testing and Maintenance of Power Transformer** was conducted on 25.06.2020. Mr.Karthick, AM, Sodexo technical services Pvt. Ltd., Chennai was the resource person.

# CONFERENCE, FTTP'S & PAPER PRESENTATION

NAME OF THE STAFF	TOTAL
Dr.A.Albert Martin Ruban	101
Mr.R.Sundaramoorthi	75
Ms. N. Rajeswari	112
Mr.J.Arokiaraj	96
Mr.S.R.Karthikeyan	55
Mr.C.John Selvaraj	64
Mr.S.Sakthivel	56
Dr.M.Meenalochani	91
Mrs.N.Arulmozhi	51

# > DEPARTMENT OF MECHANICAL ENGINEERING EVENTS ORGANISED

- A technical session of **Setting up of Incubation Cell** was conducted by Mr. V. Vijayakumar, AP/ MECH on 22.1.20.
- Mr. H. Agilan, AP/ MECH, Mr. M. Sakthivel, AP/ MECH and Mr. B. Ram Vignesh, AP/ MECH coordinated the launch of student club on 24.01.20.
- A **Guest Lecture on Nondestructive Testing** was conducted for the III & IV year MECH students on 29.01.20. The resource person **Mr. S. Gowtham, TETTA-Trichy** delivered lecture.
- Mr. B. Adhichelvan, AP/ MECH organized **Mini Project Expo** for II & III Mech Students on 06.02.20.
- Workshop on **Welding Technologies** was conducted for II & III MECH Students on 07.02.2020. Dr. P. P. Shantharaman, ASP/MECH and Mr. R. Shankar, AP/MECH delivered lectures.



Mr. R. Shankar, AP/MECH briefing the workshop

• M. Aswin, J. Vikram, S. Aravinthraj, M. Vignesh, and S. Santhoshkumar, published a technical paper on

- Guest Lecture on **Recent Trends in Mechanical Engineering** was conducted for III MECH Students on 15.02.20. **Dr. S. Mahendran,** UCE, Thirukuvalai delivered lecture.
- One Workshop on NDT Evaluation was organized for IV MECH Students on 06.03.20. Mr.K.Jaisankar, Evershine Tech, Trichy delivered lecture.
- Mr.R.Shankar, AP/ MECH, Mr. M. Sakthivel, AP/ MECH and Mr. S. Karthi, AP/ MECH, organized **Industrial Visit** for III MECH students on 07.03.20.
- **Dr. T. Pushparaj**, HoD/MECH delivered a Guest lecture on **BHEL BOILERS** to the faculty and students at Periyar Polytechnic, Vallam on 07.03.20.





**Industrial Visit to PMIST, Vallam** 

#### **RESEARCH & PUBLICATIONS**

- S. Sabanayagam, and S. Chockalingam, published a technical paper on 'Analysis of High Temperature Oxidation Behaviour of SS316 by Al2O3 and Cr2O3 Coating' in the journal Materials Today Proceedings, Vol. 33, P.7, 2020, Pages 2641-2645.
- J. Rajaparthiban, M. Anuranjan, S. Dhanasekar, G. Akash, and R. Arun, published a technical paper on 'Tribological & Mechanical Behaviour of Boron Carbide Reinforced Magnesium Composites' in Studies in Indian Place Names, Vol.40, Iss.76, March 2020, ISSN-2394-3114.
- M. Aswin, J. Vikram, S. Aravinthraj, M. Vignesh, and S. Santhoshkumar, published a technical paper on 'Application of Pin-on-disc Technique for the Study of Wear Behaviour in Aluminium Composites' in Studies in Indian Place Names, Vol.40, Iss.76, March 2020, ISSN-2394-3114.
- J. Rajaparthiban, RMY Sharif, P. E. Ebenezer, K. Annamalai, and S. Kabilan, , published a technical paper on 'Influence on Machining Characteristics of Duplex Stainless steel 2205 Grade' in Studies in Indian Place Names (SIPN) UGC Care Journal, Vol. 40, Iss.76, March 2020, ISSN-2394-3114.
- V. Mohanavel, M.Ravichandran, S. Suresh Kumar, M. Melwin Jagadeesh Sridhar, S. Dineshkumar and M. Pavithra published a technical paper on 'Microstructural and Tribological Characterization of AL/Egg Shell Ash Composites prepared by Liquid Metallurgy Process' in Journal of the Balkan Tribological Association, May 2020, Vol. 26(2),pp: 276-283.

## **WEBINAR DETAILS**

- Dr.PP.Shantharaman, ASP/MECH, Mr.R.Shankar, AP/MECH, Mr. M. Melwin J Sridhar, AP/MECH organized a Webinar on Machine Tools on 21.5.20. Dr.S.Sivashanker, AP/GCE Thanjavur delivered lecture and 90 participants from various colleges participated.
- Dr.PP.Shantharaman, ASP/MECH, Mr.R.Shankar, AP/MECH and Mr. M. Melwin J Sridhar, AP/MECH organized a Webinar on Fundamentals of Product Design on 23.5.20. Dr.N.L.Parthasarathy Scientist, IGCAR, Kalpakkam delivered lecture and 337 participants from various colleges participated.



 Dr.T. Pushparaj, HoD/MECH, Mr.J Rajaparthiban, AP/MECH and Mr.M.Aswin, AP/MECH conducted a Technical Quiz on Mechanical Engg 26/5/20. 128 participants from various colleges participated.



Mr. N. Magesh, AP/MECH, Mr. S. Karthi, and Mr. M. Sakativel, AP/MECH conducted Technical Quiz on Core Concepts on 05.06.2020 and was participated by 120 students from various colleges.



 Dr.P.P.Shantharaman, ASP/MECH, Mr. S. Desikan, AP/MECH & Mr. S. Sabanayagam conducted a webinar on Recent Trends in Automotives on 10.06.2020. Mr.M. Sathish Kumar, System Engineer, Continental Automotive, Singapore delivered lecture attended by 140 participants from various colleges.



 Dr.P.P.Shantharaman, ASP/MECH, Mr. M. Melwin J Sridhar, AP/MECH and Mr. N. Magesh, AP/MECH organized a webinar on Piping System in Process Industries on 12.06.2020. Mr.J. Balachandru, Design Engineer, Gulf Spic General Trading & Contracting Company, Kuwait delivered lecture and attended by 151 participants from various colleges.



•Mr. B. Ram Vignesh, AP/MECH, Mr. S. Karthi, and Mr. M. Sakativel, AP/MECH organized **a webinar on Aluminum Alloy Nanocomposites and its Characterization Studies** on 13.06.2020. Dr.D. Jeyasimman, Head / Mechanical, Periyar Maniammai Institute of Science & Technology, Thanjavur, resourced the programme and was attended by 122 participants from various colleges.



**Webinars Participated** 

S. No	Staff Name	Total Webinars / FDP
1.	Dr. T. Pushparaj	53
2.	Dr. P. P. Shantharaman	29
3.	Mr.R. Shankar	60
4.	Mr.H. Agilan	113
5.	Mr.V. Vijayakumar	54
6.	Mr.N. Magesh	66
7.	Mr.M. Melwin J Sridhar	60
8.	Mr.J. Rajaparthiban	58
9.	Mr.M. Aswin	70
10.	Mr.S. Sabanayagam	65
11.	Mr.B. Ramvignesh	61
12.	Mr.M. Sakthivel	68
13.	Mr.S. Karthi	61
14.	Mr.S. Desikan	58

# DEPARTMENT OF SCIENCE AND HUMANITIES EVENTS ORGANISED

•Department of Chemistry organized 'Intra Department Paper Presentation' attended by 34 first year students from various departments on 07.03.2020.



**Student's Paper Presentation session** 



**Certificate distribution** 

•Department of Mathematics organized **Quiz Competition** (Engineering Mathematics, Puzzles and Aptitude questions) on 22.02.2020. Around 26 students participated in this competition.



Quiz being conducted for I year students

•Women's Cell organized "The Pride of the Woman" programme on 28.02.2020 and was participated by about 120 students. Prof.R.Amudha Ramanujam, Professor, SKY

World Community Service Centre (WCSC), Aliyar was the resource person. The objective of the programme is to motivate female students to realize their potential and to achieve goals through effective work along with meditation.



The principal honours the Chief Guest during the occasion



The Chief Guest delivers the Lecture

•Women's cell, organized a programme on "Women's Rights and Justice" to all women faculty on 04.03.2020. Around 250 participants participated. Mrs.P.Sudha, Secretary /Sub-Judge, District Level Services Authority, Thanjavur was the resource person. Through her lecture, awareness was created among female students and to understand their rights in society.



**Honouring the Chief Guest** 



Performing a stage play during the event

•A **Passport Seva-Student Connect Programme** was organized by Youth Red Cross (YRC) in association with Passport Office, Thanjavur, on 20.02.2020.



Taken when the Passport application is being generated

•Youth Red Cross began celebrating its Centenary with YRC District Secretaries and Volunteers at a rally. The Rally started on 6<sup>th</sup> Feb, 2020 at Kanniyakumari and ended on 16<sup>th</sup> March, 2020 at Chennai. On 18.02.2020 the team visited Kings College of Engineering, Punalkulam along with YRC Vehicles and Pudukkottai YRC officials.



Visit of YRC Team at KCE on the sidelines of big rally

•The ISTE Student Chapter, Kings College of Engineering, organized a **Quiz Competition** for CIVIL Department on 08.01.2020. About 20 students actively participated in this competition.



**Enthusiastic Participants seen during the session** 

•The ISTE Student Chapter and CSE Department jointly organized **Paper Presentation Competition** on the topics Cyber Security, Cloud Computing, Artificial Intelligence & Robotics, Deep Learning on 08.02.2020. 11 students actively participated.



Participants seen during Presentation of their Paper

•The ISTE Staff Chapter organized a staff seminar delivered by Ms.K. Jeyashankari, Assistant Professor, **Department of Civil Engineering on Planning Concept of Housing** for the faculty members of the institution on 02.01.2020.



Presentation of Resource Person

•The ISTE Staff Chapter organized a prize distribution function on 02.01.2020. The Principal distributed the awards to the resource persons and the winners of various competitions.



Principal gives away award to Resource Person

•National Service Scheme in association with Thanjavur Medical College and Primary Health Centre, Pudunagar organized **Blood Donation** on 29.01.2020. About 48 Student volunteers donated the blood that could be used to save up to 80 lives.



Blood being donated by our Student volunteers



The Principal honours the donor with a certificate

• National Service Scheme organized a One-Day Cleaning Campaign at the Brahadheeswarar Temple, Thanjavur on 29.01.2020, The programme was flagged off by District Collector Mr. M. Govindaraj Rao I.A.S.



• National Service Scheme student volunteers of our college participated in cleaning the premises of Big Tempe and took part in an Awareness rally organized by Ministry of Tourism, near Brahadheeswara Temple, Thanjavur on 03.02.20



• Service is considering as best leader in the world. We got better opportunity for the consecration of Brahatheeswarar Temple, Thanjavur on 04.02.2020 & 05.02.2020.



• National Service Scheme organized Diabetes Awareness camp in association with Dr. Mohan's Diabetes Specialties Centre, Thanjavur on 20.02.2020.



• National Service Scheme organized Awareness Debate on Sparsh Leprosy in association with Dept. of Public health and preventive medicine, on 12.02.2020.



• National Service Scheme organized Special Camp -2020 at Meikkudippatti from 02-03-2020 to 08-03-2020.





Various programmes like Eye camp, Wall arts, Computer classes, Diabetes camp, Cleaning camp, Awareness programmes, Rally. etc were organized.







• National Service Scheme units were honoured by Thanjavur District Collector Mr. M. Govindaraj Rao I.A.S. for the best service rendered by our volunteers at Brahatheeswarar Temple.

