



KCG

COLLEGE OF TECHNOLOGY

(A Unit of Hindustan Group of Institutions)

A Christian Minority Institution

Approved by AICTE & Affiliated to Anna University, Chennai
Accredited by National Board of Accreditation (NBA), New Delhi
An ISO 9001:2008 Certified Institution

SEMINAR ELECTRONICS BOOK RESEARCH AERO
PROFESSOR SPORTS GRADUATE INSTITUTE MENTORS SCHOOL ENVIRONMENT
INNOVATION APPRENTICE LEARN STUDENT INTELECTUAL TRAINING DIPLOMA FACULTY
MASTER CLASS DEGREE ACADEMIC CSE PUPIL DEPARTMENT
DESIGN ALUMNI MANAGEMENT CERTIFICATE EDUCATION LECTURE
IT KCG COLLEGE OF TECHNOLOGY PLACEMENT
ACADEMIA MECHANICAL AUTOMOBILE
STAFF FASHION CAMPUS ANNA UNIVERSITY TEACHER
UNDERGRADUATE KNOWLEDGE SKILLS ENGINEERING ELECTRICAL
ENTREPRENEUR POSTGRADUATE BLENDED

CAMPUS BUZZ

Volume XVI - Issue - 2 May 2018

MoU Signing Ceremony: Strengthening Industry Institute Synergy



MOU with BSNL RGMTTC on 25th January 2018



MOU with GAVS Technologies on 4th May 2018

Professional Development Programmes

Cloud10, the e-cell team of the college, celebrated E-week from 10th to 16th February 2018. The objective of the event was to raise entrepreneurial awareness among school children, youth, women and general public. Talks, discussions and success stories exchanged by different entrepreneurs provided a better understanding about entrepreneurship.

The Physics Division of Science and Humanities Department organized a 3 day FDP on "Physics for Civil engineers and Material Science" to give an insight to the faculty of affiliated colleges on the revised syllabus of Anna University under Regulation 2017 for second semester Civil and Mechanical Students.

IET sponsored Two Day Knowledge Enhancement Programme (KEP) on "Future of the IoT in Renewable Energy" was organised by the departments of EEE and IT on 3rd and 4th May 2018. Dr. L. R. Rajagopal, Chief Executive Officer, Signals & Systems India Private Limited (SANDS), Chennai, Dr. P. Kanagavel, Additional Director and Head, Information, Training and Commercial Services (ITCS), National Institute of Wind Energy (NIWE), Chennai, Dr. Sanjiv Kawishwar, Senior Vice- President, ReGenPowertech Private Limited, Chennai, Dr. J. Balamurugan, Assistant Engineer-Electrical, Tamilnadu Generation and Distribution Corporation Limited (TANGEDCO), Chennai, were the guests.

A three-day professional development programme, Impress & Inspire, was conducted from 7th to 9th May 2018. Mr Sengu Pal, Trainer, Ezone India was the resource person. All the heads of departments and senior professors attended the program.



Members of Physics Division with Participants



(Participants listening to a lecture)



Conferences Organised

The Department of Aeronautical Engineering organised a seminar on "Airframe Repair and Maintenance" for the third year students of Aeronautical Engineering on 18th January 2018. Mr Alaguvairamuthu, Aircraft Technical Service Engineer, Jet Airways, was the resource person.



Dr Vijayaraja, HoD- Aeronautical, honouring the guest

The 2nd International Conference on Knowledge based Computing Technologies was jointly organized by Department of Computer Science and Engineering and Information Technology on 6th and 7th April 2018. Dr T P Kothari, Former Director of IIT Delhi was the chief guest for the inaugural function. Dr Surya R Asai, Software Engineering & Design, Institute of Systems Science, National University of Singapore was the guest of honour.



Dr Surya R Asai addressing the gathering

Technical Events

The college hosted Trailhead Students' Championship-2018, a 24 hour contest, organized by the ICT Academy on 2nd and 3rd February 2018. Ms. Poonkuzhalie, was the chief guest for the inaugural function. More than 120 colleges across India participated in this competition and KCG College was one among them. 100 students of the college from various disciplines participated in the contest. The students of the department of CSE secured three places.

Innovation and Entrepreneurship Development Centre (IEDC) of the college conducted Innovation challenge 2018, a project competition, on 23rd February 2018. Mrs N Alamelu, Sole Proprietor-ANSI Technique/IIT PALS Team, Mr PragadishNandakumar, Founder-operation Manager, Snap Consulting & Alumnus 2014, Mr S D Kishore Kumar, Sales Manager, Flexible Automation system private Ltd & Alumnus 2002, Mr DoraiThodla, Founder iMorph and Dr SumathiPoobal, Vice Principal, KCG College of Technology were the judges. Cash prizes were given to the winners.

An Intradepartmental Mini Project Challenge was conducted by all engineering departments on 3rd March 2018. 500 students across departments displayed their projects.

The Department of Aeronautical Engineering, in association with, Aeronautical Society of India (AeSI) and Aerospace Industry Development Association of Tamilnadu (AIDAT) conducted KCG Drone Pit Stop 2018 on 2nd and 3rd March. It was a spectacular show in which the audience witnessed several drones competing with each other and flying through challenging obstacles.



(Dr K Vijayaraja, HoD-Aeronautical Engg.- lighting the Kuthuvilakku)

A debate 'Devices Hack Happiness' was organized for first years by the KCG MUN Club on 7th April 2018. Certificates and prizes were awarded to the best three teams.

Pongal Celebrations

The campus turned festive on 12th January 2018 celebrating the harvest festival, Pongal. The staff prepared pongal in an earthen pot and participated enthusiastically in all the games conducted.



Founder's Day

The Hindustan Group of Institutions observed Founder (late) Dr KCG Verghese Memorial Day on February 14, 2018 at KCG College of Technology. All members of the Hindustan fraternity were present on this solemn occasion. Mr. Charles Money, Founder Young Generation Leadership Ministries was the chief guest. Dr Elizabeth Verghese, Chairperson of the Hindustan Group, in her presidential address, shared vivid glimpses of the late Founder Chairman and emphasized the need for ethical values in our lives. Dr Anand Jacob Verghese, Director and CEO, HGI presented a cheque for a dialysis machine to the Tanker Foundation. A video presentation on the life of Dr KC G Verghese was shown for the edification of the gathering.



Dr Elizabeth Verghese, Chairperson- Hindustan Group, delivering her presidential address

College Day

The 20th annual day of the college was celebrated on 1st March 2018. Dr Rajini Sreeraman, Culture and Change Leader, Pfizer Global Supply was the chief guest. The Principal welcomed the gathering and presented the annual report. The chief guest released the college magazine 'Aspirations' and Dr Annie Jacob, Director of the college received the first copy.



Events Organised

On 2nd March 2018, Cloud 10, the Entrepreneurship Cell of the college, organized Cloud 10 KCG Bazaar, an event to kindle the entrepreneurial skills in the students. Mr.Subbian Seetharaman Asst. Vice President, Wind & Solar Engineering, Siemens – Gamesa declared the bazaar open.

Women's Day was celebrated in the campus on 8th March 2018. The heads of departments, teachers and students took part in the celebration. The resource person, Mr Hafiz Khan, EZone India, emphasized the need to step out of one's comfort zone and embrace new challenges through an activity, Glass Walk. As a part of the programme, Women Coding Club (WCC) was launched.



Dr Sumathi Poobal, Vice-Principal, walking on the glass



Dignitaries interacting with students at KCG Bazar

Workshops Conducted

The Department of Civil Engineering conducted a One-day Workshop on "Career opportunities in Civil Engineering & How to Deal with Exam Anxiety for higher secondary students on 7th January 2018. 66 students from different schools attended the workshop. Mr.Venkatesan, Chairman BAI and Mr.Ramaprabu Secretary BAI delivered a talk on Career opportunities in Civil Engineering and highlighted the advantages of opting Civil Engineering as a career. Mr Praveen Joe, Associate Professor in the Department of Computer Science Engineering delivered a talk on "How to deal with exam anxiety".

EFY KCG TECH Center organised a Workshop on "Raspberry Pi and its Applications" on 11th and 18th Jan 2018. Dr.V.Subbaroyan, Ms.B.Thyla, Mr.T.Thomas Leonid, Ms.Jaraline Kirubavathy, were the resource persons.

The KCG MUN Club organized a communication skill workshop "Thinking on Your Feet" on 24th February 2018. The resource person Mr Gautam Sharma, Founder of Sanskaar Academy conducted activities that helped the students to understand the communication styles and how the knowledge of the content lead to better communication.



Thinking on Your Feet



Career opportunities in Civil Engineering

School Connect

Dr KCG Memorial Tamilnadu Inter- school Invitation Tournament was inaugurated on 14th February 2018. A total of 600 students from 49 schools across Tamilnadu took part with great zeal and enthusiasm.

The members of faculty from Physics and Chemistry Division, visited schools as a part of popularisation of science program on 8th and 9th February 2018 and demonstrated scientific concepts through experiments.



Guest Lectures

The Department of Electronics and Communication Engineering organized a Guest Lecture on "Mobile Communication – New Trend – from 2G to 5G" on 5th January 2018 for second year students. Mr A S Saravanan, Director, Vestel Telecom Services, Chennai was the resource person.

The Department of Electronics and Communication Engineering organized a Guest Lecture on "Awareness on Higher Studies" on 19th and 27th January 2018. Mr. Deepak Sampath, Technical Manager, Gate Forum and Mr. Naveen, Director, Vani Institute were the resource persons.

The Department of Electronics and Communication Engineering organized a Guest Lecture on "Nano Technology" on 6th Feb 2018. Dr. Pandiarasan Veluswami, Korean Advanced Institute of Science & Technology was the guest speaker.

Staff Publications

S. Ramesh, 2018, Experimental Investigation Of Structure, Wear, And Erosion Resistance Of Ss316 Substrate Coated With TiC–Al₂O₃ Composite By Laser Cladding, High Temperature Material Processes, 63–71, 10.1615/HighTempMatProc.2018027036

Inbakumar, J. P., & Ramesh, S. (2018). Mechanical, wear and thermal behaviour of hemp fibre/egg shell particle reinforced epoxy resin bio composite. Transactions of the Canadian Society for Mechanical Engineering, 1–6. doi:10.1139/tcsme-2017-0079

Dakshnamoorthy, E., Arjunan, S., & Radhakrishnan, A. (2018). Experimental analysis of vibration isolation using hybrid magnet and magnetorheological fluid damper. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 40(8). doi:10.1007/s40430-018-1286-2

Ramesh, S., Govindaraju, N., & Suryanarayan, C. P. (2018). Investigation on Mechanical and Fatigue behaviour of Aluminium Based SiC/ZrO₂ Particle Reinforced MMC. IOP Conference Series: Materials Science and Engineering, 346, 012030. doi:10.1088/1757-899x/346/1/012030

Prince Jeya Lal, L., Ramesh, S., & Natarajan, E. (2018). Study on the repeatability of manufacturing nano-silica (SiO₂) reinforced composite laminates. IOP Conference Series: Materials Science and Engineering, 346, 012083. doi:10.1088/1757-899x/346/1/012083

Viswanathan, R., Ramesh, S., & Subburam, V. (2018). Measurement and optimization of performance characteristics in turning of Mg alloy under dry and MQL conditions. Measurement, 120, 107–113. doi:10.1016/j.measurement.2018.02.018

Poobal, Sumathi. (2018). Coded Downlink MIMO MC-CDMA System for Cognitive Radio Network : Performance Results. Cluster Computing. <https://doi.org/10.1007/s10586-018-1815-x>

Staff Publications

Poobal, Sumathi. (2018). Fractal Based Lung Cancer Detection From Fuzzy Enhanced Pet/Ct Images. International Journal of Pure and Applied Mathematics.

Poobal, Sumathi. (2018). Performance of spectrum sharing cognitive radio network based on MIMO MC-CDMA system for medical image transmission. Cluster Computing. <https://doi.org/10.1007/s10586-017-1290-9>

Jose, Deepa. (2018). Low power parallel FIR Filters in MIMO-OFDM Systems by Dr. Deepa Jose was published in International Journal of Engineering and Technology.

Renganayagi. (2018). Design and implementation of Reversible logic circuit and its power by Ms. Renganayagi Journal of Computational and Theatrical Nanoscale.

Thulasi Bai, Abhinaya M, Daffodil, Deva Preethi M. (2018). Assistive Shopping Cart for visually impaired using RFID and Visible Light Communication. International Journal Of Creative Research Thoughts (IJCRT), Vol.6. No.1.

Rajagopal. R. (2018) Intelligent Surveillance ROBOT for Armed Forces . International Journal of Recent Innovation in Engineering & Research (IJRIER), Vol.3, No.3.

Malar, Felcy Jeba. (2018). Reader for the Blind using Raspberry Pi. International Journal of Recent Innovation in Engineering & Research (IJRIER), Vol.3, No.3.

Saranya, G. (2018) Automatic Speed Breaker and Traffic Light Controller for Ambulance. International Journal of Recent Innovation in Engg and Research, Vol.3, No.3.

Shiju C Chacko & Jerusha Lawrence. (2018). Artificial Intelligence Based Image Processing for the Detection of Diabetic Retinopathy. International Journal of Recent Innovation in Engineering & Research (IJRIER), Vol.3, No.2

Lenoid, Thomas. T. (2018) .Statistical Analysis for Person Identification and Authentication based on Spoofing Counter Measures. Journal of Recent Research in Engg and Technology, Vol.5, No. 3.

Subbaroyab. V. (2018). LPG Detection, Monitoring and Controlling using IOT by International Journal Of Engineering Research and Technology, Vol.3, No.3.

Kailash.G, Mohamed Samiullah. A,ByriChenchuGnana Puneet and Rajagopal.R. (2018). Mileage Estimation of Fuel. International Journal of Recent innovation in Engineering and Research. Vol.3, Issue.3. March—2018 (IJRIER).page no.112-118.

Abraham, Feba Sosa. (2018). Ancient Tamil Inscription Translator. International Journal of Innovative Science and Research Technology, Vo. 3, No. 4.

Goutham S, Joshua Samuel Asirraj D, ManojKumar S, Kavitha Balamurugan. (2018). Integrated Adaptive Headlight and Speed Limiting Systems with Parking Assistance. International Journal of Recent Innovation in Engineering and Research journal, Vol. 3, No. 3; March 2018, pp. 34-40

Joanna Emma P, Kamaleeshwari R, Lavanya M and Nirmala Devi K. (2018). IoT based Plant Watering System using Arduino and Android Mobile Application International Journal for Recent Engineering and Development (IJRERD).,Volume:03 issue:03 March-2018, pp..171-177, ISSN: 2455-8761

Vidhya. B (2018). DWT Based Image Compression Using Image Inpainting by Ms. B.Vidhya. International Journal of Recent Engineering Research and Development(IJRERD),Vol.03,No.03, March 2018,pp.145-151.

Jones, Aida. (2018). Remote Medical Suggestion through IoT enabled Personalized Healthcare by Ms. Aida Jones was published in IJISRT, Vol3, No.4.

Continuous Professional Development Activities

Dr.V.Subbaroyan, Ms.B.Thyla, Mr.T.Thomas Leonid and Ms.Jaraline Kirubavathy were the resource persons for the Workshop on "Raspberry Pi and its Applications" organised by EFY KCG Tech center on 11th and 18th Jan 2018.

Dr.V.Subbaroyan, Ms.B.Thyla, Mr.T.Thomas Leonid and Ms.Jaraline Kirubavathy were the resource persons for the Workshop on "Raspberry Pi and its Applications" organised by EFY KCG Tech center on 13th and 14th Feb 2018.



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