



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 9001:2015 Certified Institution



Campus Buzz

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MOUs Signed



MOU signing with KKM on 2nd August 2018



Mou signing with MEL Systems & Services Ltd. on 30th August 2018



MOU with National Centre for Coastal Research on 30th November 2018



MOU between Bosch and KCG Bio Medical Centre on 4th December 2018



MOU with Data Patterns (India) on 28th August 2018



MGR Ratna Award

Dr. Anand Jacob Verghese, Director & CEO, Hindustan Group of Institutions was awarded MGR Ratna Award by Government of Srilanka during Bharat Ranta MGR 102nd Celebrations at Kandy Srilanka on 16th September 2018.

Inauguration of Power System Protection Lab



Dr MK Surappa, Vice-Chancellor, Anna University, inaugurated the state-of-art Power System Protection Lab funded by the DST-Government of India under FIST scheme on 19th September 2018.

Graduation Day



The 16th Graduation Day of the college was celebrated on 5th August 2017. Dr MK Surappa, Vice-Chancellor, Anna University was the chief guest. , Mr M Balasubramaniam, Managing Director at Blackboard & NASSCOM National GIC Council - Chair Southern Region was the guest of honour. Dr Surappa presented medals to the rank holders and degree certificates to the graduating students. A total of 558 graduates received their degree certificates and the 16 university rank holders received medals and cash awards. Dr Elizabeth Verghese, Chairperson, Hindustan Group of Institutions delivered the presidential address. The Principal welcomed the gathering and presented the graduation report.

KCG Engenius

The second edition of KCG Engenis, a forum for youngsters to express their talent and also to develop an interest in engineering and technology, was held on 31st August 2018. Competitions like Programming Contest, Paper Presentation, Science Fair, Instrument Solo, Battle of the Bands, Group Dance, Debate, Adzap, Street Theatre, Quiz, Spell Bee, and Treasure Hunt saw students exhibiting a wide range of talent, vying with each other in a positive spirit and wowing the audience. Cash prizes were awarded to the winners. Alpha Matriculation School won the overall winner's trophy at KCG Engenis '18.

World Citizen Day



(Dr. Elizabeth Verghese, Chairperson Hindustan Group presenting a memento to Mr. Mukund Padmanabhan)

World Citizen Day was celebrated in the campus on 19th November 2018. Mr. Mukund Padmanabhan, Editor, The Hindu was the chief guest. A Panel Discussion on school initiatives to mould youngsters as World Citizens was a part of the programme.

World Mental Health Day

To create an awareness on Youth Mental Health in a Changing World, the World Mental Health Day was conducted on our Campus by the Office of Student Affairs on 12th October, 2018. Dr Thara Srinivasan, Co-founder & Vice-chairman, SCARF graced the occasion, gave a presentation on "Youth Mental Health" and addressed our students. She judged the Skit-Youth Addictions staged by our students and distributed the prizes.

Freshers' Day



Fresher's Talent Hunt saw large numbers of first year students participating in a variety of events. During the week leading to October 13, a number of competitions like elocution, poster making, slogan writing, rangoli, spell bee, and photography were held for students, giving them a platform to display their talent and prove their mettle. Singer and actor Ms Soundarya Nandakumar was the chief guest. She gave power packed and heartfelt rendition of popular numbers to regale the audience. Casting director and alumni Mr Arun and Mr Aravind were the other guests.

Professional Development Programmes



(Dr C Chinnaraj, Registrar, honouring the Chief Guest)

Mr. N. Bhaskar, Asst. Professor, Department of Information Technology and Mr. V. VasanthaKumar, Asst. Professor, Department of Computer Science and Engineering attended Deep Dive Faculty Enablement Program (FEP) on Foundation Program 5.0 at Anurag Group of Institutions, Hyderabad from 4th to 8th June 2018. Mr. Roy Arnold, Infosys Campus Connect was the resource person.

Dr. J. Frank Vijay - HoD - IT & Dr.K. Vijayaraja - HoD - Aero attended an Academic Leadership Development Program at Coimbatore Institute of Technology from

26th to 29th August 2018. Dr. Nachiketa Mishra, Assistant Professor, IIT M was the resource person. The Department of Civil Engineering organized AICTE- INAE Sponsored Knowledge Enhancement Seminar on Coastal Protection Structures 13th October 2018. Dr. M.V. Ramana Murthy, Scientist-G, Director – National Centre for Coastal Research (NCCR) graced the occasion. 95 participants that includes students and faculty attended the knowledge enhancement seminar.



(Mr. K. Sridharan addressing the participants)

Training Cell of the college organized a one day faculty development program on "Soft Skills" on 15th November 2018. Mr. Vincent L. Issac, Academic Head in CRT, TIME and Mr. K. Sridharan, Academic Head, TIME were the resource persons.



Mr Sreekantha Kumar V.P., Associate Professor, Dept of IT attended a Faculty Development Programme at Teaching Learning Centre (TLC), Indian Institute of Technology Madras from 13th to 15th November 2018. Ms.Tina Susan Thomas, Assistant Professor, Department of IT, attended a National Workshop on “Applied Data Science and Business Analytics with Python and R” at School of Management Studies, NIT Calicut from 21st to 25th November 2018.



Department of Civil Engineering conducted a three day faculty development program on State Design of Steel Structures on 26th November 2018. Dr S R Satish Kumar, Professor, Structural Engineering Division, Indian Institute of Technology, Madras, was the chief guest.

Conferences Organised



(Release of Conference proceedings in the National Conference on Communication and Computing)

The department of ECE organised a Seminar on Design and Simulation of RF Circuits and Antenna using ADS & CST on 19th and 20th June 2018. Mr Thandiah Prabhu explained designs of antennas using ADS software and the resource persons from M/s. Tesla Minds explained using CST software.

The Department of Electronics and Communication Engineering organized a National Conference on Computing and Communication 2018 (NCCC'18) on 17th March 2018. Mr. Chandra Mouli, CTO and

CIO of Sankara Nethralaya, Chennai was the Chief Guest.

The Institution of Engineers (India) sponsored two-day seminar on Application of Light Weight Materials and Characterization in Automobile Industry was organized by Department of Mechanical Engineering on 11th and 12th August 2018. Dr. S. Srinivasan Alavandar, Joint Honorary Secretary IEI KLC and Dean Academics of AGNI College of Technology; Dr.V.Balasubramanian, Director, Center for Materials Joining and Research, Annamalai University; Dr.G.Padmanaban, Thanthai Periyar Government Institute of Technology, Vellore; Mr. C.V.S. Murthy, Technological Director, DRDL-Hyderabad; Dr. S. Madhavan, Department of Mechanical Engineering, SRM Institute of Science and Technology; Mr.A.Manjunath, Scientist 'F', Group Director, GTRE, Bangalore; Dr.V.Karthik, Department of Metallurgical and Materials Engineering, National Institute of Technology, Trichy, Mr.Helfried-Wolfram Weiss, German expert, Ex-head in car predevelopments car concepts, BMW and Dr.R.Venkatesan, FIE, Council member & chairman IE(I)-KLC were the guests.



(Mr. Helfried-Wolfram Weiss addressing the delegates)

The department of EIE conducted a two day seminar on “Recent Trends in Biomedical Image Processing” on 29th and 30th November 2017. Dr. A.K. Jayanthi, Professor, Dept of BME, SRM University, Katankulathur Campus, Mr.J.Saminathan, Teaching Fellow, Dept. of ECE, College of Engineering, Guindy, Prof. S. PanneerSelvam, Associate Professor of Medical Physics & RSO, Radiology and Imaging Sciences, Sri Ramachandra Medical College, Dr.Balaji Jeevanandam, Asst.Professor, Radiology and Imaging Sciences, Sri Ramachandra Medical College and Dr.Sheela.V.Franics, Associate Professor of ECE, MNM Jain College were the resource persons.



(Release of the Souvenir, Castellate 2k18)

CSI Sponsored Intra Departmental Programming Contest was conducted for the students of II and III IT on 15th September 2018. C.Praveen Prabhu and Ganesh.A of III IT won the first prize. The second position was secured by S. VeeraPandi and Josiah Devasam of the third year. The third prize was won by Arunachalam and Fazlul Kareem of II IT.

The inauguration of IPA Students' Chapter for the students of Department of Civil Engineering and the installation ceremony of the office

bearers took place on 22nd September 2018. Dr. S. Virapan, Director, S.V. Associates, Chennai was the main celebrant to officiate the proceedings. He inaugurated the chapter and addressed the gathering. Mr. Abbas Lehari, Chairman IPA administered oath to office bearers.



Technical Events

Department of Civil Engineering conducted a one day National Level Technical Symposium "CASTELLATE 2k18" on 24th August 2018. 200 students from engineering colleges in various cities like Pondicherry, Trichy and Madurai participated in the Symposium.



(Contest Winners with the organisers)

The inauguration of ISTE Students' Chapter and the installation ceremony of the office bearers took place on the 24th September 2018. Dr. K.Manivannan, Vice President, ISTE, New Delhi inaugurated the chapter and distributed the badges to the office bearers. Mr. Gautam Deori, Group Manager, HCL Technologies Pvt Ltd, Chennai was the guest of honour. He gave a special lecture on 'Emerging IT Trends in the Industry'.

Kerala Flood Relief Operation

Dr Anand Jacob Verghese, our CEO and Director along with Mr Ashok Verghese, Director, Hindustan Institute of Technology and Science, handed over a cheque for Rs. 50 lakhs to the Chief Minister of Kerala towards flood relief fund and also sent relief materials worth Rs. 30 lakhs to flood victims.



Events Organised

In connection with the Independence Day Celebration 2018, the office of the Student Affairs of the college conducted a debate on “OUR VOTES – DO THEY MATTER?” on 11 th August 2018. 10 teams participated and Dr.Anita Manuel, Dean (SA) moderated the debate. The first prize was bagged by Balaji & Jedidah (IV AERO), second prize by Harish & Gautham (IV Civil) and the third by Sathyam Tiwari & Tinesh Amirthalingam (II CSE) and Mohan Kumar V (III Aero) and Aparna (II ECE).



(Debate Competition)

In collaboration with Hindustan College of Arts and Science, Indo- Australian Association and Smart Vision & Diabetic Clinic, BE HEARD – IN SINGAPORE, an event to promote Public speaking amongst students was conducted . 25 students from various departments participated and the qualifying round was conducted on 20th August 2018 in the campus. Sqn Ldr Mr. Unni Nair was the chief judge and he briefed on the techniques of public speaking. Jedidah (IV Aero), Satyam Tiwari (IV CSE), Crisanta (III MECH), Srinivasan (IV ECE) and Snegha (III AERO) got selected in the preliminary round.



(Mr Vivek demonstrating Web App Development)

Workshops Conducted

The departments of Computer Science and Engineering & Electronics and Communication Engineering organized a two day Workshop on “Machine Learning in Engineering Applications” on 4th and 5th June, 2018 under the banner of The Institution of Engineering and Technology. The workshop was inaugurated by Ms Vanipriya Jayaraman Country Manager, Full Potential Solutions Inc, Chennai. CSI Sponsored Two Day Workshop on Web App Development

was organized by departments of CSE and IT on 21st and 22nd June 2018. The third year students of both the departments participated. Mr.Vivek, Program Analyst, Cognizant and alumnus of Department of CSE was one of the resource persons.



(Participants during workshop)

The departments of Information Technology and Computer Science and Engineering jointly organised the CSI Sponsored Workshop on Office Tools for the non-teaching faculty members of the college on 13th and 14th June 2018. Mr. N. Bhaskar, AP/IT. Mr. Vasantha Kumar, AP/CSE were the resource persons.

The department of Mechanical Engineering conducted a one day workshop on “Geometric Dimensioning & Tolerancing (GD&T)” on 30th June 2018. 28 participants from different institutions participated in the workshop. Dr. R. Ramesh, Professor, PSG Institute of Technology and Advanced Research, Coimbatore was the resource person.



(The resource person delivering his lecture)



(Participant receiving the certificate from Dr. M. Krishnamurthy-HoD CSE)

The departments of Information Technology and Computer Science and Engineering jointly organised the CSI Sponsored Workshop on ICT Tools in TLP (MOOC) on 18th July 2018. Ms Revathy, Assistant Professor (SG)- CSE and Mr. A. Balaji, Assistant Professor (SG)- CSE, KCG College of Technology were the resource persons.



(Resource person addressing the gathering)

A two day workshop on “Image processing, machine learning and MATLAB Applications” was organized by ECE department on 25th and 26th June 2018. Dr. V. Sathiesh Kumar, Assistant Professor, MIT Chennai and Mr. Athif Shah, Chairman, ABE Semiconductor Technologies, Chennai were the resource persons.



(Dr. M. Krishnamurthy, HoD-CSE honouring the resource person Mr. Dinesh)

The Department of IT organized a Workshop on “A Gentle Introduction to Core Python” on 13th and 14th November 2018. Mr. Dorai Thodla, Founder/CTO -Technology Strategies LLC was the resource person.



(Participants at work)



OPULENCE 2018 (Semi Annual Conference) of Toastmasters International

The Semi-annual Conference of Division G in association with Division B was hosted in our campus on Saturday, 17th November 2018. Around 380 toastmasters from different corporate and community clubs from the division participated. The division newsletter was released. TM Balaji R of the KCG Youthmasters Club was the 1st Runner Up in the Humorous Contest.

Guest Lectures

The PAN IIT ALUMINI LEADERSHIP SERIES (PALS) conducted its first lecture of campus lecture series in the college on 24th August 24 2018. Mr. P.V. Mohan, PALS Anchor, Chennai Chapter; Dr. Tiju Thomas, Assistant Professor IITM were the speakers. 170 participants from different PI clusters attended the programme.

The department of Mechanical Engineering organized a guest lecture on "Recent Trends in Material Science" for second year mechanical engineering students and staff members of mechanical and physics department. DrB S Sundar Daniel, Professor, Department of Metallurgical and Materials Engineering and Center of Nanotechnology, IIT Roorkee was the resource person.



(Dr Dhanalakshmi, Professor-CSE honouring the speaker, Dr Tiju Thomas)

Centre of Excellence



Centre of Excellence in Advanced Automotive Research was inaugurated by Mr.Helfried-Wolfram WEISS German expert, Ex-head in car predevelopments car concepts, BMW on 23rd July 2018.

Dr.V.Subbaroyan, Ms.B.Thyla, Mr.T.Thomas Leonid and Ms.Jaraline Kirubavathy were the resource persons for the Workshop on "Fun with Electronics" organised by EFY KCG Tech center on 28th Feb 2018.

Ms.Aida Jone, Ms.Feba Sosa Abraham and Ms.Renganayaki were the resource persons for the certified course on "Robotics" organised by E-yantra on 13th and 14th Feb 2018.

Books/ Papers Published

- Bharathi, N., Sivakamasundari.(2018) Understanding the Breakdown Characteristics of Nano Mineral Oil for Lightning Impulse Voltage.International Journal of Pure and Applied Mathematics.118/22/1839-1844
- Bharathi, N..(2018). Design of Type-2 Fuzzy Logic Controller for Fluid Catalytic Cracking Unit. International Journal of Manufacturing Technology and Management. ISSN:1368-2148
- Lazar, P., Sengottuvelu, R., & Natarajan, E. (2018). Assessments of Secondary Reinforcement of Epoxy Matrix-Glass Fibre Composite Laminates through Nanosilica (SiO₂). Materials, 11(11), 2186. doi:10.3390/ma11112186
- Sujesh, G., & Ramesh, S. (2018). Modeling and control of diesel engines: A systematic review. Alexandria Engineering Journal. doi:10.1016/j.aej.2018.02.011
- Madhan, M., & Prabhakaran, G. (2018). Microwave versus conventional sintering: Microstructure and mechanical properties of Al₂O₃-SiC ceramic composites. Boletín de La Sociedad Española de Cerámica y Vidrio. doi:10.1016/j.bsecv.2018.06.001
- Prince Jeya Lal, L., & Ramesh, S. (2018). Numerical Investigation of the Behaviour of Thin-Walled Metal Tubes Under Axial Impact. Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018), 55-64. doi:10.1007/978-981-13-2718-6_7
- Vigneshkumar, M., Padmanaban, G., & Balasubramanian, V. (2018). Influence of Tool Rotational Speed on the Formation of Friction Stir Processing Zone in Cast Zk60/SiCp Magnesium Alloy Surface Composites. Materials Performance and Characterization, Advance online publication. Retrieved from <https://doi.org/10.1520/MPC20180056>
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- Gobivel, K., Vijay Sekar, K. S., & Prabhakaran, G. (2018). Finite Element Analysis of High-Speed Machining of CFRP Material. Advances in Materials and Metallurgy, 137-147. doi:10.1007/978-981-13-1780-4_15
- Andal, V. Fabrication of Cno/Zno @ Carbondotasphotoanode and Natural Dye as Photosemilizer for DSSC. International Journal of Engineering and technology. 7,2,107-110
- Geethalakshmi. M (2018). .Linear Algebra & Partial Differential Equations.
- Geethalakshmi. M (2018). Engineering Mathematics – I.ISBN : 978-81-89843-25-0
- Sam, Linu, Amrutha. (2018). Physico Chemical Properties of Acorus Calamus. De Pharma Chemica
- Nalini Jayanthi, (2018).Nano Structural Optical and Mechanical studies on novel nonlinear optical material :L-Arginine Potassium penta borate.(LAKB5) crystals. Materials Today.
- Nalini Jayanthi. (2018).Growth and Characterization of Non Linear optical DL – Methionine Doped Lopper Sulphate Single Crystals. Materials Today.
- Easu , Siddarthan, Amrutha, R. (2018). Experimental Analysis of vibrating isolation using hybrid magnetic MRF damper. Journal of Brazilian Society of Mechanical Sciences & Engineering.
- Agnes Nirmala.J. (2018). Minimalising In Modern Indian English Poetry: A study. Language in India

Continous Professional Development

Dr Albert P Rayan has set question paper for the end semester examination – June 2018 at VIGNAN's Institute of Information Technology, Vishakapatnam.

Dr P SivaramakrishnaDas, Professor of Mathematics served as a resource person for the Workshop on "Linear Algebra" organised by Saveetha Engineering College on 21st July 2018.

Dr Albert P Rayan served as an External Auditor in the Department of English, B.S.Abdur Rahman Cresecent institute of Science & Technology ,Chennai on 2 st July 2018. He audited in the first & second semester Question papers & Answer Scripts of B.E.,B. Tech., BCA,BCom,BBA,LLB.

Dr Albert P Rayan has been edited the Journal of English Language Teaching (India),the oldest ELT Journal in India. He contributes a regular feature titled "one to one"- interview with English Language Teaching experts from India and abroad.

Dr Albert P Rayan is a columnist for Edex ,the New Indian Express and Edge.The Hindu contributes articles on English Language and Higher Education.

Dr Albert P Rayan has been serving as Cambridge University- Examiner.

Dr. Albert P'Rayan was one of the panellists in the Panel Discussion, a session, in the International Conference organised by SSN College of Engineering Chennai on 26th October 2018. He spoke on "How to Enhance Learner Motivation in the Teaching of English at the Tertiary Level.

Dr Gladwin Pradeep was an invited speaker for the Workshop on Intellectual Property Rights and Innovation organized by the Research Forum of the college on 31st October 2018.

Dr R Jaya edited the Journal of English Language Teaching (India). Vol. 60/6 November-December 2018.

Funds Received by Faculty

Dr Jose Anand, Associate Professor- ECE, has received a fund of Rs 40,000 from ICMR for conducting a two day seminar on Medical Imaging for Health Care Assistance

Dr Jose Anand, Associate Professor- ECE, has received a fund of Rs 10,000 from TNSCST for the project titled "Protection of Red Sandal tree poching using WSN"

Dr R Jaya, Associate Professor- English, has received a fund of Rs.10,000 from English Language

Teachers'Association of India for the Project titled "Using Podcast to Enhance the Listening and Speaking Skills"

TNSCST Funded Projects by Students

Mr K Abubacker Gazil, M Ganesh and J Prasanna of EIE, under the mentorship of Mr C. Vijay, Assistant Professor-EIE, have received a fund of Rs. 7500 for the project titled “ Pipeline inspection and borewell rescuer”.

Ms Manessha Devi K and Jeysri C of ECE, under the mentorship of Dr Jose Anand, Associate Professor-ECE, have received a fund of Rs. 7500 for the project titled “ E-health assisted smart supermarket”.

M Keerthika of Aeronautical Engineering, under the mentorship of Dr K Vijaya Raja, Professor and Head, Aeronautical Engineering, has received a fund of Rs. 7500 for the project titled “Dual motor micro wind turbine”.

Mr K Kishore and A Karthikeyan of Department of Mechanical Engineering, under the mentorship of Mr L Prince Jeya Lal, Assistant Professor- Mechanical

Engineering, have received a fund of Rs 7500 for the project titled “Development of EXO Skeleton for Farmers”.

Mr A Ajay Narayanan, Mr V Muthu Pattu and Mr v Arun Kumar of Department of ECE, under the mentorship of Mr m Mohamed Yaseen, have received a fund of Rs 7500 for the project titled “Mission Quintridos”.

Mr Saseedharan M, Mr Shanmuga Mari, Mr S Kannan and Mr Subramanyam D of Department of EEE, under the mentorship of Dr R Selvam, have received a fund of Rs 7500 for the project titled “Vertical Axis Wind Power Generation for Highway Lighting and Traffic Signals.

Achievements by Students



Mr Joseph A, Ms.Jemi Anugraha , MrJoel Andrews, Ms Abhinaya R, Jayashree R, the students of final year ECE and Mr Jacob Paul of III ECE won first prize in Smart India Hackathon 2018(Hardware Edition) organised by CSIR-CEERI, Pilani from 18th to 22nd June 2018. They were awarded a cash prize of 1 Lakh.



Mr Joseph A, Ms.Jemi Anugraha , MrJoel Andrews, Ms Abhinaya R, Jayashree R, the students of final year ECE and Mr Jacob Paul of III ECE were the first runner up in IEEE - SS12 – Innovation Challenge competition held in Colombo, Srilanka on 8th and 9th September 2018.



Mr Sivagnanam R, Ms Smrithisri V K, Sathiyarayanan B, Ram Aravind D, Tamilselvan B, the students of final year ECE were selected as one among the top 10 teams in IEEE - SS12 – aker Fair competition held in Colombo, Srilanka on 8th and 9th September 2018.



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