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Campus Buzz (July-Dec 2019)







# **Awards to KCG**

## AICTE-CII Survey of Industry Linked Technical Institutes Award -2019

KCG College has won AlCTE-CII Survey of Industry Linked Technical Institutes Award - 2019 for Electronics and Allied (ECE &EIE) Category. KCG is one among the 39 institutes in the Platinum Category.



# Renewal of Virtusa Centre of Excellence

Centre of Excellence in Java (Full Stack) with Virtusa was renewed for the academic year 2019-2020. In addition to renewal of Centre of Excellence, the college was recognized as one of the best colleges to support Virtusa with Pooled Campus Drives. The college was also recognized for hosting the Grand Finale of Virtusa Neural Hack.



# Centre of Excellence with Autodesk, VMware & Amazon (AWS)

Centre of Excellence with Autodesk, VMware & Amazon (AWS) was received from Prof. Anil D Sahasrabunde, Chairman, AlCTE, Prof. K K Agarwal, Chairman, National Board of Accreditation, Lakshmi Narayanan, Emeritus Vice Chairman, Cognizant and Chairman, ICT Academy.

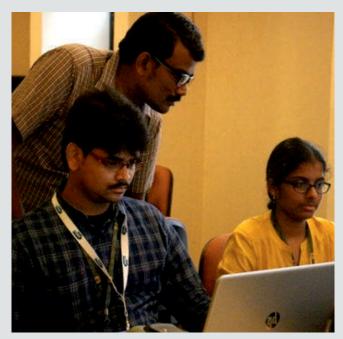


### **Dewang Mehta National Awards**

KCG College of Technology received Dewang Mehta National Awards- Education Leadership Award. Dr T Anuradha, HoD-EEE represented the college and received the award. She was also awarded with Best Professor in Electrical Engineering Studies Award.



# **National Level Neural Hack**





Grand Finale of National Level Neural Hack was held at KCG college of Technology on 27th and 28th November 2019. Dr Murali Padmanaban, Senior Vice President- Global Head and Ms Hema Mohandas, Vice President- HR were the chief guests for the inaugural function. The Neural Hack Season – 3 was a grand success with close to 29,000+ participants taking up round 1, which came down to 2500+ in the second round. 100 candidates made it to the final round. Post hackathon, the candidates were also taken to Virtusa office at Navalur, for the Grand Event and the top 10 were awarded a total cash prize of INR 55,000 and also job offers. The finalists who attended have also been offered different packages with Virtusa. Furthermore, KCG College of Technology has renewed its Centre of Excellence in Java (Full Stack) with Virtusa.

# **Co-Curricular Activities**

Department of Fashion Technology conducted a two day Virtual Fashion Designing Program on 30th and 31st May 2019. Ms S Nikitha and Ms J Niranjana from Orita – Sinclair, Coimbatore were the resource persons.

The Department of Electrical and Electronics Engineering organized IET Sponsored One day hands on training on Advanced C2000 Piccolo Microprocessor For Renewable Energy Applications on 20th June, 2019. The student members of IET belonging to department of EEE participated in the programme. Mr. Mohammed Hussain — Application Engineer from Starcomm Information Technology was the resource person.

The Department of Electrical and Electronics Engineering organized a Five-Day Value added Programme on Power System Protection Relays and Substation Automation from 24th to 28th June 2019. Mr Vijay Karthik, Mr Sudheendra and Mr T Sriram Kumar from General Electric (GE), Chennai were the resource persons.

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Department of Fashion Technology conducted a two day workshop on Pattern Engineering on 26 th and 27th June 2019. Mr.Ameer Hamza, Freelance Pattern Master for various export houses of Tirupur was the resource person.



The Department of Information Technology conducted a CSI sponsored workshop on Block Chain Technologies and its Applications on 5th and 6th July 2019. Dr Ceronmani Sharmila, Associate Professor and Head - IT, Hindustan Institute of Technology and Science, Dr Rajeshwari Mukesh, Professor and Head-CSE Hindustan Institute of Technology and Science and Mr Saravanakumar Malaichami, Block Chain Advisor and Architect Lynked World Founder Smart Chainers, Chennai were the resource persons.

A guest lecture cum workshop on "Embedded Systems and Internet of Things" was conducted on 15th October 2019 for III year students of EIE.



The Department of Electrical and Electronics Engineering organised a 3-day Knowledge Enhancement Programme on Numerical Relays — Transformer Protection from 14th to 16th November 2019. Mr. M. Gopinath and Mr. K. Parthiban from Voltech Engineers Private Limited, Chennai were the resource persons. Research Scholars, faculty, and students from different institutions attended the programme.



## **Research Cell Activities**

The Research Cell of the college conducted a one day workshop on Industry Capability Connect Success on 13th July 2019. Mr. B. Dinesh, DRDL was the resource person.

On 4th October 2019, the research cell convened a meeting between Dr Soodamani Ramalingam, Senior Lecturer & Programme Leader, University of Hertfordshire, U.K. and faculty of KCG belonging to ECE, EEE and CSE. For each project and research work explained by the faculty, Dr Soodamani gave her suggestions, scope for improvement and shared the results of similar work carried out at University of Hertfordshire.



# ISTE Office Bearers Installation

The ISTE office bearers for the academic year 2019-20 was installed by Prof. Dr.Rhymend Uthariaraj, Ditector, Ramanujan Computing Centre and Former Secretary TNEA, Anna University on 12th September 2019. He also gave a guest lecture on 'Applications of O.R' on the same day.



## **Founder's Day Celebration**

Founder's Day was celebrated on 20th June, 2019. The Principal, Deans, Registrar, HoDs, Staff and Students paid their respects to the Founder Chairman, Dr K C G Verghese. They in their speech assured to continue their efforts in translating the founder's vison "To make everyman a success and no man a failure" into reality.



# **Birthday Celebration of Chairperson and Dedication of Tricolour Flag**

The birthday of our chairperson Dr Elizabeth Verghese was celebrated in the campus on 26th September 2019. During the occasion as a tribute to our founder KCG Verghese 100 foot high tricolor flag was dedicated.

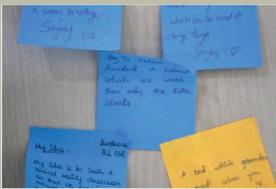


# The Institutions Innovation Council (IIC) Activities

The Institutions Innovation Council (IIC) organized an Ideation workshop on "Where do ideas come from?" on 26th September 2019 to inculcate the spirit of innovation and creativity in students. Mr Dorai Thodla a Technopreneur, Mentor and Teacher was the resource person. 62 first year students participated in the workshop. As a part of an activity on identifying problems and providing solutions, the students were given sticky notes to present their ideas and stick on the board. A few students came forward and explained their ideas and the session was interactive.

The IIC organized an Entrepreneurship motivational talk on 28th September 2019. Ms. Suryasree Rao Chowdhury, entrepreneur and alumna of our college was the guest speaker. Ms. Sruyasree is the founder and CEO of CityWiz, a start-up which is incubated by NASSCOM start-up 10000. Ms. Suryasree gave an insightful talk on the road to becoming a successful entrepreneur and how entrepreneurship can change a person's life.







As advised by MHRD Innovation Cell (MIC), October 15th — the birth anniversary of former President Dr. A.P.J. Abdul Kalam was celebrated as Innovation Day in our campus. As part of the Innovation day, various competitions such as Slogan writing, Essay writing and Poster presentation were organized on the theme 'Innovation'. A total of 28 students from I and II year participated in the competitions. Ms Roshini G of I CSE won first place in Essay Writing, Mr R. Thanuj of I Automobile Engineering won first place in Poster Presentation and Mr I Shyam Kumar of II Mechanical Engineering won first place in Slogan Writing Competition.



The Institutions Innovation Council (IIC) organized a field exposure visit to Pattikadu village near Tirukalkundram on 24th October 2019. The visit provided a scope to interact with the school students and farmers of the village and understand the challenges they face. The visit enabled them to understand the process of rainwater harvesting practiced in the village.



## **Engineers without Borders (EWB)**

EWB-India KCG College of Technology Student Chapter organized a "CLEAN CAMPUS" drive at KCG College of Technology on 19th July 2019. "A Clean Place is a Safe Place" being the theme, the EWB-India KCG College of Technology Student Chapter took initiatives to make the campus free from plastics, and other related garbage.



EWB-India KCG College of Technology Student Chapter organized a "GREEN CAMPUS" tree plantation drive on 15th Aug 2019. Saplings of various shadow trees were planted near the Zeppelin. Dr G Prabhakaran, Principal, Dr Anita Manual, Dean Student Affairs,, Staffs, Students and EWB members participated in the event.



Engineers Without Borders (EWB), National Service Scheme (NSS), Rotaract Club, and Y's Men International, of KCG College of Technology Student Chapter/Club organized a Blood Donation Camp on 9th August 2019 in collaboration with Dhanavandri Blood Bank & Research Centre, run by Sri. Mahalakshmi Charitable Health Trust), T. Nagar, Chennai. Ms. S. Divya, Alumna of KCG College of Technology, Department of EIE coordinated. Students and staff participated and donated their blood. A total of 248 units of blood were collected during the camp.



## **Staff and Student Wellness Programmes**

**International Yoga Day** was celebrated in the campus on 21st June 2019.



Awareness Program on **Substance Abuse** was conducted on 5th July 2019.Dr VinayakVijaya Kumar, MD (Psychiatry), Consultant at Voluntary Health Services (VHS) Chennai, was the chief guest. He educated the students on "Substance Abuse" with particular reference to the negative impacts of mobile phones, drugs and alcohol.



A session emphasizing the importance of **Social and Emotional Intelligence** was conducted on 23rd August 2019. The guest, Ms Shanthi Rajan, Director- Institution Development, University of Stirling, UAE, highlighted the need to adapt to change, influence of attitude on our behavior, assessing and controlling behaviour, how to assess and control and the impact of behavioural competencies on performance.



**Anti-Ragging Awareness Program** was conducted on 24th August 2019. Mr A.X. Alexander — Former DGP of Tamil Nadu (Retd. IPS Officer) educated the students on the negative consequences of ragging and how at times it triggers the victim to the extent of committing suicide.



World Mental Health Day was observed on our campus on 17th October 2019 on the theme suicide prevention. Poster-making, Face-Painting, Talk Show and Short Film competitions were conducted on the theme and the winners were awarded with cash prizes. An educational session on Mental Health and Suicide Prevention was arranged. Mr Ilango, a volunteer from SNEHA Suicide Prevention Centre spoke on the need to identify the symptoms of stress and depression and accordingly help the victims come out of their sufferings.



Staff Wellness Program on **Breast Cancer Awareness** was held on 29th October 2019. Dr Jegan, Medical Oncologist, CANCARE Foundation, Apollo Hospital and Kumaran Hospital explained the causes, signs and symptoms of breast cancer and the treatment available. He stressed the importance of breast self-examination to find the abnormalities, lumps and nodes and advised the participants to approach the doctor in case of any abnormalities.



#### **National Unity Day**

Commemorating the birthday of Sardar Vallabhai Patel, National Unity Day was celebrated on the campus on 31st October 2019. Dr Prateep V Philip, DGP, Civil Supplies was the chief guest. A panel discussion moderated by Dr Anita Manuel, Dean Student Affairs with first year students from Kashmir, U.P, Manipur, Bengal, Nepal and Bihar as panelists discussed the topic Unity in Diversity. Dr Annie Jacob, Director, KCG College of Technology welcomed the gathering.





First Aid Awareness programme organized by Rotaract Club of the college at Pulikundram Village



children with muscular dystrophy.





NSS Unit of the college dedicated a stage for the government school at Puliyur.



Demonstration of using innovative technologies in farming for farmers of Acharavakkam village by members of IIC



Skill Development Programme for Women by Y's Service Club at Irumbedu Village



Computer literacy training for school children by Engineers without Borders (EWB) Chapter at Echoor Village.



# PLACEMENT

Company Name	Placed Count	Package	Company Name	Placed Count	Package
Virtusa	3	4 - 7 LPA	Brillio Technologies	2	8.5 LPA
Infosys	2	3.6 LPA	Virtusa	7	3.8 LPA
TCS	2	3.36 LPA	Infosys	39	3.6 LPA
Infosys	1	5 LPA	Hexaware	3	3 LPA
Sopra Steria	2	4 LPA	CTS	2	4 LPA
Kaar Technologies	2	5 - 7 LPA	GAVS	4	3.5 LPA
Infosys	1	3.6 LPA	Voltech	5	
Virtusa	8	3.8 LPA	Velciti	3	
Admatic Solutions	2	4 - 5 LPA	Verzeo	1	5 - 6 LPA
TCS Ninja	24	3.36 LPA	Syntel	1	3.5 LPA
TCS Digital	2	7 LPA	Acies Global	2	4 LPA
Coding Mart Technologies	2	4.2 - 5.2 LPA	Cisco	3	10 LPA
Admatic Solutions	1	4 - 5 LPA	GAVS	15	3.5 LPA
Zoho Corporation	2	4.6 - 6.5 LPA	Johnson Controls	3	4 LPA
TCS Inframind	1	3.3 LPA	Wipro	3	3.5 LPA

# **Paper Publications**

# **Department of Science and Humanities**

S. No.	Faculty	Title of the Paper	Journal Details
1.	K.Suba V. Andalgopal Deepa Jose	A Review on Nanoparticles based Colorimetric Detection of Toxic Ion - Chromium	Journal of International Pharmaceutical Research, 46(5): 453 -456, Scopus & UGC IJPR 0.18,October 2019
2.	S. Sowmya Dr.Deepa Jose Dr.V. Andal	A Survey on Analysis for Prediction of Alzheimer's	Journal of International Pharmaceutical Research, 46(5): 57 - 461,Scopus & UGC, IJPR 0.18, October 2019
3	Dr. Jessie A	Node Set Optimization Problem for Complete Josephus Cubes	Journal of Combinatorial Optimization, DOI: 10.1007/s10878-019-00443-9,SCI, Scopus, UGC, Annexure 1 , 0.816, August 10,2019
4	Dr.M.Geetha Lakshmi	Synchronization Stochastic Modeling with Square Fuzzy Transition Probability Relational Matrix	International Journal of Recent Technology and Engineering (IJRTE), Volume 8, Issue 2, Scopus 5.92, August,2019
5	Dr R Amrutha	Influence of magnetic field strength of hybrid magnet on vibration isolation of quarter car model	Journal of Vibro Engineering,21/5 SCI, Vibromekanika, 0.22(impact factor) August 2019
6	Dr R Amrutha	Genetically modified nutrition boosters	International Journal of Research and Analytical Reviews, 6/2/ pg31-41, UGC-June 2019

# **Department of CSE**

S. No.	Faculty	Title of the Paper	Journal Details
1.		An Effective Resource Management in Hadoop Cluster using Optimized Algorithm'	International Journal of Recent Technology and Engineering (IJRTE), ISBN: 2277-3878, Volume-8 Issue-1, May 2019. Page No.:803-809, Scopus Journal, Blue Eyes Intelligence Engineering and Sciences Publication, B Impact Factor: 5.92, May 23, 2019
2.	Dr. M Krishnamurthy	Social Networking Data Research Using Frequent Pattern Mining and Machine Learning Data	International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-8, Issue-6, August 2019, Scopus Journal, Blue Eyes Intelligence Engineering, & Sciences Publication, August 2019
3	Dr.I. R. Praveen Joe	A Multi-layered Clustering Framework to build a Service Portfolio using Swarm-based algorithms	Journal for Control, Measurement, Electronics, Computing and Communications, Volume 60, 2019 - Issue 3, Scopus & Annexure – I, Automatika, June 2019
4	Mr.Prabakeran Saravanan	Multi-defense Framework for Mitigating Man in the Cloud Attack (MitC)	i -manager's Journal on Computer ScienceVolume 7, Issue 2, Pages 15-25. UGC/Scopus, i-manager's Aug 2019
5	Dr.Balaji A	Tracing best semantic path using co-citation proximity analysis	Journal of Librarianship and Information Science. No 74 (2019) UGC/Scopus BIBLIOS is an e-journal specializing in Library and Information Science July 2019

# **Department of Fashion Technology**

S. No.	Faculty	Title of the Paper	Journal Details
1	Dr († Mohamed	Exploration of Jute-HCP	Journal of Natural Fibres Print ISSN: 1544- 0478 Online ISSN: 1544-046X, Accept (15- 0ct-2019), SCI Taylor & Francis, 2018 IF- 1.252

# **Department of EEE**

S. No.	Faculty	Title of the Paper	Journal Details
1	S.Gowtham, Sreenath.G, Sushanth.G, Suba.R,MBalaji	Switch Fault Diagnosis using S- Transform on Three Phase Inverter for BLDC Drive	International Journal of Recent Technology and Engineering (IJRTE), Vol.8/ Iss.2S5/pp.58-65 Scopus, Blue Eyes Intelligence Engineering & Sciences Publication, July 2019
2	S. Gowtham M.Ammal Dhanalakshmi P.DeivaSundari	Modelling and Experimentation of Modified Cascaded Multilevel Inverter with Optimized Output	Journal of Electrical Engineering, Vol.19/Iss.4, AU Annexure/ Scopus www.jee.ro, August 2019

3	K. Thiruppathi S. Vinodha P. Lakshmi	Design and Implementation of Controller for Ph Process at Elevated Pressure	International Journal of Recent Technology and Engineering (IJRTE) Vol.8/ Iss.2S5/pp.58-65 Scopus Blue Eyes Intelligence Engineering & Sciences Publication July 2019
4	SuchitraDayalan, Rajarajeswari Rathinam, Subramaniyan Valliappan	Optimal Sizing and Energy Management of a Microgrid using Single and Multi- Objective Particle Swarm Optimization under Autonomous and Grid Connected mode	SAE Technical Papers — SAE MOBILUS doi.org/10.4271/2019-28-0158. Scopuswww.sae.org/0.69, September 2019
5	G.Deepthi V.Subramaniyan	Speed Synchronisation of Multiple BLDC Motor Using Zigbee Module	International Journal of Advanced Research in Basic Engineering Sciences and Technology, Vol.5, Issue.9/pp.10-12, UGC, 5.023, September, 2019

# **Department of ECE**

S. No.	Faculty	Title of the Paper	Journal Details
1	Dr.V. ThulasiBai	Bayesian approach for brain- computer interface using	International Journal of Advanced Intelligence Paradigms, Vol. 13 , Issue 3-4,
2		Design of double edge-triggered flip-flop for low-power educational environment	Scopus, 28th August 2019 International Journal of Electrical Engineering & Education, DOI: 10.1177/0020720919865836, Scopus/SCI/WoS, Sage Journals/ 0.941, 3
	Dr.Deepa Jose	A survey on Analysis for Prediction of Alzheimer's	Aug 2019. International Journal of Pharmaceutical Science SCOPUS/UGC
		VLSI Implementation of Image Encryption Using DNA Cryptography	Chapter Publication in Springer, SCOPUS, 10th September
3	Dr. K. Nirmala Devi	Design of double edge-triggered flip-flop for low-power educational environment	International Journal of Electrical Engineering & Education, DOI: 10.1177/002072091986583, 6Scopus/SCI/WoS Sage Journals/ 0.941 3 Aug 2019.
4	Dr.V. Balaji	Software Engineering Techniques for Blockchain Technology,	International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-2, SCOPUS July 2019
		Fire Fighting Robot with Artificial Inelligence	JASC: Journal of Applied Science and Computations, Volume VI, Issue VI, UGC Approved , June 2019

5	Thyla S	Design and Simulation of Conformal Wideband Ingestible Antenna for WCE System	Journal of Advanced Oxidation Techniques, Scopus
6	Sadasivam S	Design of Elliptical shaped patch antenna for RF energy harvesting	Journal of Advanced Oxidation Techniques, Scopus

## **Department of Mechanical Engineering**

S. No.	Faculty	Title of the Paper	Journal Details
1	Dr D Easu	Influence of magnetic field strength of hybrid magnet on vibration isolation of quarter car model	Journal of vibro engineering Vol. 21, Issue 5, pp. 1405-1413 WoS& Scopus 0.2 Aug 2019
2	Dr L Prince JeyaLal	Compression after Impact Behaviour and Failure Analysis of Nanosilica-Toughened Thin Epoxy/GFRP Composite Laminates	Materials, 12(19), pp. 1-16, SCIE 2.9 Sep 2019
3	Dr L Prince JeyaLal	Investigation of Energy Absorption Behaviour of Square Aluminium Tubes with Cutouts under Axial Compression	Materials Science Forum, Volume 969 pp. 181-186 Scopus 0.3 Aug 2019
4	Mr. G Yuvaraj	The haptic and perceptional characteristics of an anthropomorphic curved soft finger structure	Curved and Layered Structures, Vol .6 ,pp. 161–168,WoS & Scopus, SNIP 0.4 Sep 2019

The proposal for Grant in Aid under Prerana Scheme to AICTE by Dr Albert P Rayan, Professor of English and Head, Higher Education was sanctioned a sum of Rs. 6,33,000. The scheme aims at providing financial support for conducting training programmes on GATE/GPAT/CAT/CMAT/GRE/TOEFL/IELTS for SC/ST students.

Mr Dhandapani N and Mr Achyut of department of ECE won third prize in the Quiz Programme conducted by Bharat Electronics Limited, Chennai on 25th November 2019.

B Sabarish of III EIE won Silver in Anna University Inter Zonal Boxing Championship held at Paavai Engineering College Namakkal on 24th November 2019.

Allan Rahul of III CSE has got selected in Tamilnadu Football Team to play for Santhosh Trophy.



COSCO

#### INDICIONAL FILLING FLORE

#### SURVEY FOR THE BEST INSTITUTIONS



The technical institutes across India are assessed every year by a survey jointly conducted by India's premier bodies, the All India Council for Technical Education (AICTE) and Confederation of Indian Industries (CII). KCG has emerged as the Winner and was awarded 'Best Industry-Linked Electronics Engineering and Allied Institute' at the Education Summit held at AICTE Headquarters, New Delhi on the 14th of November. The award was given by Prof. Ashutosh Sharma, Secretary, Department of Science and Technology, Mr. Sunil Kant Munjal, Chairman, CII Education Council and Chairman, Hero Enterprise, Prof. Anil D Sahasrabudhe, Chairman, AICTE, Dr. BVR Mohan Reddy, Co-Chairman, CII Education Council and Executive Chairman, Cyient, Dr. TM Gunaraja, President, Institution of Engineers (India) and Prof. Rajendra Pratap Gupta, Member-Central Advisory Board, Ministry of Labour and Employment.

Dr. Annie Jacob-Director, Dr. C Deiva Sundari, Associate Dean

# A feather in the cap for KCG College of Tech

CHENCAL: KCG College of Technology in the city recently was recently proclaimed the 'Best Industry Linked Electronics Engineering and Allied Institute' among the 9000-odd technical institutions that participated in a AICTE-CII survey recently.

Every year, technical instination across the country are assessed for a prospective partnership between them and the industry by a survey jointly conducted by the All India Council for Technical Education (AlCTE) and Confederation of Indian Industry (CII).

In the year 2019, 9632 institutions participated in the short survey, out of which 3,842 of them were shortlisted to participate in the full survey. The best performing institutions were finally shortlisted and called for a face to face interaction.

As a result, 39 institutes in 60 daciplines in the country entered the final round. One winner was chosen for each
of the nine allied disciplines.
Among them, KCG College of
Technology emerged the winner and was awarded the Best
Industry-Linked Electronics
Engineering and Allied Institute at the education aummit
held at AlCTE recently.

The award was given away by Prof Ashutosh Sharma, Secretary, Department of Science and Technology, Sunil Kant Munjal, Chairman, CII Education Council and chairman, Hero Enterprise, Prof. Anil D Sahasrabudhe, Chairman, AICTE, Dr BVR Mohan Reddy, Co-Chairman, Cll Education Council and executive chairman, Cylent, Dr TM Gunaraja, president, Institution of Engineers (India) and Prof. Rajendra Pratap Gupta, Member-Central Advisory Board. Ministry of Labour and Em ployment, College director Dr Annie Jacob, Principal Dr G Prabhakaran and Associate Dean Dr P Deiva Sundari received the award.



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