



# 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



# CAMPUS BUZZ

VOLUME XIV - ISSUE 2, May, 2017





# 2016-17 *A Year of Endless Accolades, Achievements and Activities*

Contents

NBA Accreditation.....Pg 1	Pg 1
Birthday Celebrations at KCG.....Pg 1	Pg 1
OASIS & KCG IIEC.....Pg 2	Pg 2
Engineers without Borders.....Pg 3	Pg 3
Seminars, Workshops & Guest Lecture.....Pg 4	Pg 4
Conferences & Other Value Additions.....Pg 6	Pg 6
Co-curricular Activities.....Pg 7	Pg 7
Student Papers & Publications.....Pg 9	Pg 9
Club Activities .....Pg 10	Pg 10
In-Plant Training .....Pg 12	Pg 12
FDP attended by KCG Staff.....Pg 14	Pg 14
KCG - NCC .....Pg 16	Pg 16
Sports Awards .....Pg 17	Pg 17
KCG in Media .....Pg 20	Pg 20

## "Congratulations for NBA Accreditation"



NBA Team visited KCG College of Technology during 3, 4 and 5 March 2017. Department of Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering Departments were awarded with accreditation for 3 years each.

## *Celebrating Our Chairperson's 75th year*



Dr. Elizabeth Verghese, our beloved Chairperson's 75th birthday was celebrated with much pomp and grandeur at KCG College of Technology on 4 Oct'17. The event started with a welcome speech, followed by a documentary on her achievements and contributions, her illustrious career and the laurels she had won as an engineer as well as an educationist and her patience and support in building HGI. After this, her speech and the reminiscences by some of the staff showed her not only as an excellent administrator but also as an adorable human being.



## Inauguration of the Offices of Student Affairs and International Students Services (OASIS) & KCG Innovation Incubation & Entrepreneurship Centre (KCG IIEC)



Offices of Student Affairs and International Students Services (OASIS) & KCG Innovation Incubation & Entrepreneurship Centre (KCG IIEC) were inaugurated at KCG College of Technology on 4 Oct'17.

OASIS will help in collaborative learning with leading universities across the globe and offer guidance to students

interested in pursuing higher studies.

KCG-IIEC will help foster entrepreneurship and support students and alumni of KCG and other colleges in Tamilnadu, local community entrepreneurs and start-ups and enable them to realize their dreams.

## Solar Power Plant at KCG



KCG college of Technology has taken an initiative by setting up 100 KW grid connected roof top Solar PV Plant at the terrace of the Aeronautical Block. It is an inspiration to the students to study and do research on applications of solar energy. The objective of the project is to demonstrate the technologies of solar power generation at a place which is visited by young and innovative minds.

## Dewang Mehta Excellence Award

The Dewang Mehta Certificate of Excellence Award by Dewang Mehta Foundation Trust is given to students who excel in diverse engineering fields. This year Srinidhi. Sowanya (EEE), Prasanna Lakshmi (EEE), Havinashini. B. (EEE), Srinivasan (IT), S. Manirregalai (IT), Nivedita. PICSE and R. Reshmi (IT) received this award.



## Dr. Kalam Educational Trust Award for Best Project

S. Balamurugan (EEE) is the winner of Dr. Kalam Educational Trust Award for Best Project- a national award given by Dr. Kalam Educational Trust.

*Best Project Award*  
for  
**JAL SEEMAK-Water Limiter at IIT PALS.**

## Smart India Hackathon 2017 - National Event

Prasad. K. Jose, Prashanth Kumar, Prathik Bhosale, Saicharan, Siddharth Sharma and Radheyen S (all from III yr, CSE) won the 1st Place and a cash award of One Lakh Rupees in Smart India Hackathon 2017, held at Sri Krishna College, Coimbatore on 1 and 2 April'17.



## Engineers without Borders

• Student Chapter of EWB (Engineers without Borders) - India, EWB-KCG, was inaugurated at KCG College of Technology on 4 Feb'17 with 100 student members. The chief guest, Mr. Raja Manimaran, President, EWB-Chennai, encouraged EWB members to think out of the box and help the community with their lateral thinking.

• On 23 Feb'17, Mr. Anantharajan, CEO, EWB-India addressed EWB-KCG members about the functioning of EWB chapter and the responsibilities of the office bearers.

• Members of EWB-KCG attended Chennai Water Summit-2017 at AC Tech, Anna University, on 22 March'17 - World Water Day. This provided them with an insight into inter-linking of rivers, water for future and ways to protect and provide safe water to the next generation.

• A project proposal on Solar Pump has been sent to EWB - India and EWB - Chennai for seed money. The beneficiaries of this project will be Anaikkum Karangal, Chennai, a home for homeless children and women.



IET Best Projects and Winners

IET Technical Talk on IoT & Acceleration Platform on 30 March'17

## IETKCTECH

- IETKCTECH Academic Affiliate Certification was renewed on 21 Feb'17
- IET PROJECT CHALLENGE-2017 was organized on 22 March'17 and the best projects were selected and duly awarded. The displayed projects were evaluated by Mr. Shankar K. Sarpate, Dy. General Manager - Engineering, Gamesa Renewable Pvt Ltd, Mr. Bezaled Justus, Manager-Information Technology Services, Mr. Jeri John D., Product Manager, Zoho Corporation, Mrs. M. Golda Mayer, Asst. Engineer- Electrical, TNEB, Mr. Nagarajan, Manager - Manufacturing Engineering, Sintex BAPL Pvt. Ltd., Mr. R. Jagadeesan, Asst. Manager - Design, SCHWING Stetter India Pvt. Ltd., and Dr. Sathish Kumar, Research Scientist, Caprienzyme Pvt. Ltd.
- IET Technical Talk on IoT & Acceleration Platform was arranged on 30 March'17. Resource Person was Mr. Aniruddha Kannal, CEO, HED-X, Bangalore.



KCG College of Technology **WINS ISTE AWARD** Best Private Engineering College



## Seminars, Workshops & Guest Lectures on Campus

MONTH	DEPT	TITLE	RESOURCE PERSON
JAN	EEE	Seminar on Electric Traction  Power Transmission Network in Tamil Nadu  Introduction to Wind Energy Systems	Mr. S. Balasubramanian Retd. Divisional Electrical Engineer, Southern Railway, Chennai.  Mr. K. Navin Kumar Assistant Executive Engineer, TANTRANCO, Chennai.  Mr. K. Srinivas K.S.T Wind Engineering, India
	CIVIL	Construction Techniques, Equipment & Practice	Er.V. Balaji Subramanian Managing Director Sri Vijayarathi Associate
	MECH	Introduction to ANSYS Fluent and CFD	Dr. Velraj & Team EnSolAcademy
	CSE	MOOC Workshop  Emerging Trends in Mobile Technologies	Dr. T. Sudalai Muthu Department of CSE, Hindustan University  Dr Sridhar Department of CSE, University of Buffalo, New York
	EIE	Workshop on Lab View	Mr.Vijay Department of EIE, KCG College of Technology
	AERO	Space Odyssey	Dr. Ken Johnston Sr. Astronaut, NASA, USA Dr. A Shamugham DGCA, Chennai Mr. A. E. Sivaramakrishnan Scientist, ISRO
	IT	International Conference on ICKCT2016  Overview on Hardware Components	Mr. ESERA Moriss Abkhihen Malaysia  Ms. Anju.A, Department of IT, KCG College of Technology
FEB	S&H	Ferroelectrics, Magnetism and Dielectrics	Dr. Tae Won Kang Dongguk University, Seoul, South Korea
	ECE	Importance of doing Project  Practical Applications of Electronic Components  Nano Technology  Recent Trends in Free Space Optical Communication  IoT on Electronic Testing Devices	Dr. Sambandan. G Advisor, Electrical Science Department, KCG College of Technology  Mr. Rajamanikam, Advisor, ECE Department, KCG College of Technology  Dr. Tae Won Kong, Dean, Professor, Dongguk University, Seoul, South Korea  Mr. Sunil Kumar Department of ECE, Hindustan University  Mr. K. Sriram Shastri Allied Electronics Co, Chennai
	MCA	Android and its Applications	A. Vinoth, Software Engineer BPA Technologies
	MECH	Dismantling & Assembly of IC Engines	Mr. Kalaiselvan and Team Kaisen Autotech

MONTH	DEPT	TITLE	RESOURCE PERSON
	CSE	Search Engine Optimization	Mr. Saicharan.G., Mr. Praveen R, Ms. Ramya T, Mr. Roshan S P S, Mr. Samuel Ebenezer (III CSE Students)
	EEE	Embedded Systems	Mr. Karthik Venkatesh, Senior Manager, Embedded Solutions, Signals and Systems Pvt.Ltd.
	CIVIL	Construction & Project Management  Project Management	Mr. S. Appan General Manager Adwitiya Projects  Mr. Sekar Kumbeswara Chief Engineer (Retd) Ministry of Shipping, Govt of India
	EIE	Automation  Electrical Machines	Mr. Muruganandan. D, Manager, Axis Global Automation  Ms. P.U. Illavarasi Department of EIE, Velammal Engineering College
	ECE	Workshop on Arduino  Workshop on Robotics	Dr.V.Subbarayan Ms.B.Thyla Mr.Thomas Leonid.T Mr.Sivachandar.K Department of ECE, KCG College of Technology  Ms. Aida Jones Ms. Renganayaki.G Ms. Feba Sosa Abraham Department of ECE, KCG College of Technology
MARCH	MECH	Quadcopters (Remote Controlled Drone)  Engineering Materials and Metallurgy  Renewable Energy and Awareness of GATE Exams	Mr. Gavrauv Kumar i3indya Technologies, New Delhi  Mr.S. Kesava Pillai, Amalgamation Repco, Chennai  Dr E. Natarajan Anna University
	CIVIL	Design of Tall Buildings  Operating System  Introduction to Data Structures	Dr K P Jaya Professor Anna University & Er. Manoj Kumar Sr. Design Engineer Mott MacDonald Pvt Ltd  Dr. Uma Maheswari V, Anna University  Dr. Rajeswari Mukesh HOD - CSE, Hindustan University
	EEE	Automation	Mr. Rajasekar Jayakumar, Head, CDCE Automations
	ECE	Integrating GIS into e-Health Initiatives in India	Dr. Sheela John, Head- Teleophthalmology Unit, Sankara Nethralaya, Chennai &  Dr. Jaganathan, Professor & Head, Department of Geography, University of Madras.
		INTEL- IoT	Education Wing, INTEL



## Conferences and Other Value Additions

### International Conference on Knowledge Based Computing Technologies (ICKCT)



From Left to Right: Dr. M. Krishnamurthy, Dr. Sarath Poulal, Dr. Eze Morris Abraham, Head, Ph.D. Engg & Ed Engg So programmes, UTA, Malaysia, Mr. Rajendra Chandrasekhar, Director - Engineering, 20HD Corporation, Dr. S. Prabhakaran, Dr. J. Frank Vijay

ICKCT, which was organized from 3 to 5 Feb'17, aimed at sharing and providing a comprehensive advancement pertaining to Data Science and Knowledge Computing, had speakers and participants from across the world and from varied sectors such as Automobile, Health Care, Hospitality, Education, Engineering, Construction, Information Technology & Software Development.

IE(I) Mechanical Students Chapter was inaugurated on 18 March'17 at KCG by Dr. G. Ranganath, Chairman - IEI, Tamil Nadu State Centre.



IE(I) Mechanical Students Chapter inauguration

### National Conference on Aeronautical & Mechanical Engineering

National Conference on Aeronautical & Mechanical Engineering was organized on 24 March'17 to provide a platform for students, faculty members and research scholars to present their research work in Aeronautical & Mechanical Engineering. The chief guest was Mr. N. Shekar, President of Aerospace Industry Development Association of Tamil Nadu. Other eminent personalities present were: Mr. B. Ruban Deva Prasad, General Manager, Brakes India Private Limited and Dr. E. Natrajan, Professor, Institute of Energy Studies, Anna University.

### Division Level Tier - 2 event 2017 at SAE Collegiate Club

Society of Automobile Engineers, South India Wing, chose KCG College of Technology to conduct their TIER-II events. A total number of 200 Students from nine colleges in and around Chennai (winners of TIER-I) actively participated in this event on 1 Feb'17.

The winners of this competition will participate in the National Level Competition TIER-III. Eight students from SAE-INDIA KCG Collegiate Club won the TIER-II event and will be participating in "CONVENTION - 2017".

National Conference on Advances in Chemical Sciences and Technology was organized by Chemistry Division, Science and Humanities on 2 & 3 Feb'17.



2-day ISRO Sponsored National Workshop on "INTEGRATING GIS INTO E-HEALTH INITIATIVES IN INDIA" on 24 & 25 March 2017.

### 2-day ISRO Sponsored National Workshop on "INTEGRATING GIS INTO E-HEALTH INITIATIVES IN INDIA" on 24 & 25 March 2017.



2-day EFY Workshop on ARDUINO on 17, 18, 24 and 25 Feb'17 was attended by 53 students of the ECE Department

Certificate Course in Robotics & Embedded Systems was offered by KCG e-Yantra Robotics Lab. Students were introduced to Embedded Systems and Robotics using the Firebird V robot which uses the Atmega 2560 as the master microcontroller.



### Value Added Course with NIELIT

The department of Electronics and Communication Engineering organized a 5-day value added course on "Embedded System Design Using ARM Cortex M4" from 9 to 13 Jan'17 at the National Institute of Electronics and Information Technology (NIELIT), ISTE Complex, Chennai. 48 Final year ECE students benefitted from this programme.

The Department of ECE also organized a 10-day value added course on "Embedded System Design Using MSP430" for III year ECE students. This was conducted at KCG College of Technology, by National Institute of Electronics and Information Technology (NIELIT) staff.



**Better Employability and Entrepreneurship Using Projects (BEEP)** - a 2-day Workshop was organized by SIGME (Special Interest Group for Mechanical Engineers) under the Department of Mechanical Engineering on 25 Jan and 2 Feb 2017. The workshop aimed at developing and encouraging the habit of doing self-motivated projects.

## Co-Curricular Activities



### KCG Students Emerge Winners of 24-hour Open Stack Hackathon 2017

A pan India 36-hour non-stop digital programming competition, organized by the Mozilla Campus Club on 18 and 19 March 2017.



Winners of Poster Presentation Competition with the Chief Guest, Mr. Dorai Thoda



Winners of Mini Project Competition

## WINNERS OF OTHER CO-CURRICULAR ACTIVITIES

MONTH	DEPT	NAME OF STUDENT	NAME OF EVENT	VENUE	POSITION SECURED
FEB	CSE	Infant Sam Christian	Carte Blanche '17 National Technical Symposium	MIT, Chennai	I
		Aravind. S Kabileswaran. M	TECBLAZE 2017- National Technical Symposium	SRM University	II
		Infant Sam Christian	SAMHITA '17 National Technical Symposium	MIT, Chennai	II
	ECE	Manisha. A Kiruthika. B	Paper Presentation - Technical Symposium	Dhaanish Ahmed College of Engineering	I
		Kamaleshwari. R Muthulakshmi. S Manisha. A	Dumb Charades - Technical Symposium	Dhaanish Ahmed College of Engineering	I
	EEE	Nareesh Kumar. M Nanthine. S Ramya Sri. M	Circuit Emulator- EMPHASIS 17	Anand Institute of Higher Technology	II
		Guns. M Dhanushya. S Dhinesh. L	Junk Art - SPANGLES'17	SRM Easwari College of Engineering	I
		Jasper Grace Catherine. G	Dubsmash - SPANGLES'17	SRM Easwari College of Engineering	II
		Jasper Grace Catherine. G Dharini. E	Crack the Word - SPANGLES'17	SRM Easwari College of Engineering	II
		Ranjani. M.P	Pencil Sketching - Deep Woods	MCC, Chennai	I
		Ranjani. M. P Prasanalakshmi. V	Face Painting - Deep Woods	MCC, Chennai	II



MONTH	DEPT	NAME OF STUDENT	NAME OF EVENT	VENUE	POSITION SECURED
FEB		Bharath Kishore.B Revanth. S	TECHNO'17	Meenakshi Engineering College	III
		Enos Joel Makarios	Elocution - TECHNOTRA '17	Dhaanish Ahmed College of Engineering	I
		Enos Joel Makarios	Mind Roller - TECHNOTRA '17	Dhaanish Ahmed College of Engineering	II
		Lalith Shenoy.S Maruthosh M.V. Sreevatsan G.Vishnupriya	Project Presentation - PALS - "innovaHI" an Innovation Challenge	IITM	II
MARCH	ECE	Geetha .K Bhavithra. S Joanna Emma. P	Paper Presentation-Technical Symposium	Dhanalakshmi Srinivasan College of Engineering	II
	EEE	Nanda Kumar. B	Electromaniac Waves '17	College of Engineering, Anna University	II
		Ashwini. M K Rajeswari. P Navin Kumar. S	Paper Presentation-DELTRIX 2K17	Dhanalakshmi Srinivasan College of Engineering	III
		Prasanalakshmi. V Ramya.R Joshua Abraham Thomas Ashish. A Abraham	Project Expo - SPINTRONICS 2K17	Sri Sashta Engineering College	II
		M. Ramprasanth	Pitch Your Idea - Chanakya 2K17	Velammal Institute of Technology	I
		Vikraman. K. S	Online Quiz Competition - Instincts 2017	SSN College of Engineering	II
		Navin.V Vignesh Balaji. V Sairam.M Raghu.M G	MIME - Takshashila	Chennai Institute of Technology	II
		Prasanalakshmi. V Ramya.R Joshua Abraham Thomas Ashish.A Abraham	Paper Presentation - UTHSATNEIC 17	Shri Andal Alagar College of Engineering	II
	IT	J.Karthikeyan D.Azhappan A.S.Dinakar T.Vishnu	Bugs and Teems - Techno Fenzy'17	Dhanalakshmi Srinivasan Engineering College	II
		J.Karthikeyan D.Azhappan A.S.Dinakar T.Vishnu	Paper Presentation - Techno Fenzy'17	Dhanalakshmi Srinivasan Engineering College	III
	MECH	Derrick Sam Anu Christopher	Matter Mind-Technical Symposium	Agni College of Technology, Chennai	II
APRIL	EEE	Jawahar. K Gopinath. S. E	Paper Presentation - National Level Student Conference on Innovative Trends	B.S. Abdur Rahman University	Best Paper Award

## Student Papers & Publications

### BEST PAPER AWARDS

- CSE students Nivedhitha .P, Rajeswari .S, Bichi Mohanty and Sandhiyan .S won the **Best Paper Award** for their paper **OCR Based Transliteration of Brahmi Scripts to Tamil** in ICETECT-17, organized at Saveetha University.
- Jawahar K and Gopinath S E (EEE) won the **Best Paper Award** for their paper **Voice Controlled Haptic Arm Robot** in the National Level Student Conference on Innovative Trends in Instrumentation, Electronics & Automation (2K17), organized at Crescent University.
- M.Ramprasanth (EEE) won the **1st Place** for his paper **Wind Powered Gadget for Small Boats** in Pitch your idea Chanakya - 2K17 organized at Velammal Institute of Technology
- Prasanalakshmi V, Joshua Abraham Thomas and Ashish Abraham (EEE), won the **2nd Place** for their paper **Smart Railway Platforms** in Paper Presentation-UTHSATNEIC 17, organized at Shri Andal Alagar College of Engineering.
- Ashwini M K, Navin Kumar S and Rajeswari P (EEE) won the **3rd Place** for their paper **Future Generation of Renewable Energy (Antimatter)** in Paper Presentation-DELTRIX 2K17, organized at Dhanalakshmi Srinivasan College of Engineering.

### STUDENT PUBLICATIONS

- Simathi R, Anupranga R and Manisha Oli M (all from IT), guided by Dr Frank Vijay, published a paper titled **Software Effort Estimation Using Use Case**, in IJIRT, Vol. 3, No. 10, 2017.
- Uma Maheswari K and Srividhya R (both from IT), guided by Dr. R. Rajkumar, published a paper titled **Cloud Workload Aware Load Balancing Data Center**, in IJIRT, Vol. 3, No. 10, 2017.
- Anitha G and Sowbhakya M (both from IT), guided by Dr.R.Rajkumar, published a paper titled **Mobile Hand Waving Behaviour Analysis for Establishing Emergency Support and Protection**, in IJSTE, Vol. 3, No. 9, 2017.
- Kavitha J and Divya K (both from IT), guided by Dr. R. Rajkumar, published a paper titled **Trace Event- A Web Mining based Application for the Collection of Online Web Events**, in IJSTE, Vol. 3, No. 9, 2017.
- Dhamodharan, Thinesh K and Ezhilarasu A (from IT), guided by Mr. V P. Sreekanthakumar, published a paper titled **Implementation of Vehicle Tracker**, in IJIRT, Vol. 3, No. 10, 2017.
- Priyadarshini M R and Nandhini V (both from IT), guided by Mr. V P. Sreekanthakumar, published a paper titled **MEDKLIX-An Android Application Based on Online Medicine Shopping** in IJSTE, Vol. 3, No. 9, 2017.
- Sai Srividhi Mand Sharanika S (both from IT), guided by Ms. R. Adline Freeda, published a paper titled **Action Based Keyword Driven Framework for Testing Web Applications**, in IJSTE, Vol. 3, No. 9, 2017
- Prabu Sand Manej Kumar V (both from IT), guided by Ms. R. Adline Freeda, published a paper titled **Customization of ROM**,

in IJIRT, Vol. 3, No. 10, 2017

- Jaichithra K (IT), guided by Ms.S.Subbulakshmi, published a paper titled **M-Polling with QR-Code Scanning and Verification**, in IJSTE, Vol. 3, No. 9, 2017.
- Jayashree K and Nidhiha G (IT), guided by Ms.S.Subbulakshmi, published a paper titled **Design and Monitoring of Water Level Model Using Sensor Technology**, in IJSTE, Vol. 3, No. 9, 2017.
- Praveen Kumar B and Senthilnathan M (IT), guided by Ms.S.Subbulakshmi, published a paper titled **Smart HeartB Prediction Using Multiplicative Homomorphic Encryption Algorithm** in IJSTE, Vol. 3, No. 10, 2017.
- Dritesh T and Murugan U (IT), guided by Mr.M. Baskar, published a paper titled **e-Secure Document Forwarding** in IJIRT Vol. 3, No. 10, 2017.
- Swathy S and Subhashree N (IT), guided by Mr.R.Sampath, published a paper titled **Virtual Room Visualizer** in IJSTE, Vol. 3, No. 9, 2017.
- Kishor Kumar S R and Iyyappan M (IT), guided by Mr.R.Sampath, published a paper titled **Vehicle Detection, Classification and Counting (VDEC)** in IJIRT, Vol. 3, No. 10, 2017.
- Divya M and Kalpana K (IT), guided by Mr.M.Baskar, published a paper titled **Design Optimization Using Crowd Sourcing** in GRD Journals, Vol. 2, No. 4, 2017.
- Akash.S and Alexander Devaprakasam E (IT), guided by Mr.N.Baskar, published a paper titled **Sports Club Management System Sports Data Analysis** in IJIRT, Vol. 3, No.10, 2017.
- Abarna Rajasri.V and Janani. A. M (IT), guided by Mr.B.Hariharan, published a paper titled **Tracking and Providing Smart Healthcare Service Using IoT** in IJIRT, Vol. 3, No. 10, 2017.
- Akshaya.S and Madhumitha. R (IT), guided by Ms.Anju, published a paper titled **Customized Apparel Shopping** in IJSTE, Vol. 3, No. 9, 2017.
- Resmi R (IT) guided by Ms. Anju, published a paper titled **Shop EZY- An Android Application Based on Barcode Scanning and Data Analytics** in IJSTE, Vol. 3, No. 9, 2017.
- Karthick Raja A, Karthikeyan.R and Jai Pathere Kishore Kumar.N (CSE) published a paper titled **Taxi Booking Service Using Reverse Auction** in IJIRT, March 2017.
- Abinaya.S, Madhi Vadhani.K and Elavarasi. K (CSE) published a paper titled **Mobile Information Catalog Surveillance** in IJIRT, March 2017.
- Monica M, Prasanna Venkateswaran T and Ranjani. S (ECE) published a paper titled **Wireless Transmission of DC Meter Reading from Solar Panel** in IJARI, March'17.
- Vignesh.J, Nijanthan.V, Venkateshwaran.J and Suresh Kumar.K (ECE) published a paper titled **Digital Fuel Level Indicator for Motor Bikes using Arduino Microcontroller** in IJEE, March'17.



- Aswini.S, Geethanjali.P, Gayathri.N and Lavanya.D (ECE) published a paper titled **IoT Based Circuit Breaker** in the Proceeding of National Conference on Innovative Trends in Engineering & Technology, Arignar Anna Institute of Science & Technology, March'17.
- Iniya.E, Janusha.G and Kamalambigal.R (ECE) published a paper titled **Detection of Defects on Metal Surface** in the Proceeding of National Conference on Innovative Trends in Engineering & Technology, Arignar Anna Institute of Science & Technology, March'17.
- Balamurugan. S (EEE) published a paper titled **Energy Monitoring and Management Using Internet of Things** in IEEE Part Number: CFP17J87-DVD, IEEE ISBN: 978-1-5090-4677-5.
- El.Sowpamika, Nandini R and Subamangala B (EEE) published a paper titled **Wireless Communication System for Coal Mining Worker Using Arduino** in the Proceedings of the First International Conference on Instrumentation, Electrical and Electronics Engineering, ICIEEE17.

## Club Activities



### TOASTMASTERS CLUB

Our Faculty and Students Toastmasters Club have won 6 awards during the Division Conference on 22 April 2017 at Swarna Sudharshan Mahal, Nanmangalam, Chennai

### CLUB AWARDS

- Excellence Award for Club Membership Growth
- Enthusiasm Award for Active Participation in events

### INDIVIDUAL AWARDS

- Excellence in Leadership Award: TM PRAVEEN JOE
- Contest Champion Award: TM JAYAPRAKASH
- Buddy Toastmaster Award: TM BHARANI (III AERO)
- Runner-up in Quiz: TM SUMATHI POOBAL

### QUIZ CLUB

Quiz Club members participated in various Inter Collegiate Quiz

- Jedidiah Paulraj (AERO) and Infant Sam Christian (CSE), secured 2nd Place in the Technical Quiz organized at MIT, Anna University.
- Jedidiah Paulraj (AERO) and Infant Sam Christian (CSE), secured 2nd Place in the General Quiz organized at Easwari Engineering College

### PROGRAMMING CLUB

Programming Club members were engaged in many activities -

- MCQ Quiz on C- Programming
- Web page creation using HTML/CSS Problem solving using C- language
- Mini Project Valuation on Snake Game
- Railway Ticket Reservation
- A Mock Interview Session by Nandeep, Sudin (IV CSE)

### KCGMUN CLUB

KCGMUN Club has helped to boost the confidence level of its members, helped them overcome their fear of speaking in front of an audience, and enhanced their overall communication and leadership skills. Many awards were won by the club members.

To list a few:

ICGN (ICFAI Conference of Nations) 2017, Hyderabad

- Eassa Salim (II ECE) - UNGA (United Nations General Assembly) - Best Delegate
- AamirMassoud (III MECH) - HCC (Historic Crisis Committee) - Best Delegate
- Aravind Narayanan (III MECH) - UNSC (United Nations Security Council) - High Commendation
- R. Srinivasan (II ECE) - UNDP (United Nations Development Programme) - Special Mention
- Karthi Kumar (III AERO) - UNSC (United Nations Security Council) - Verbal Mention

IIT Madras MUN, Chennai

- Aravind N, Best Delegate, UNSC
- Karthi Kumar, High Commendation, DISEC
- Eassa Salim, Special Mention, HRC



- Aravinth Kumar, Verbal Mention, HRC.

### KCG MUSIC CLUB

The second semester activities started with a workshop on "Music Composing" by Mr. John Jeshwanth, on 4 Feb'17. This was followed by the club's band winning the 2nd Place in the "Million'17" held at SRM University from 8 to 12 March'17 and 1st Place in "Vibrance 2017" at VIT University, Chennai campus on 17 and 18 March'17. Music Club members also attended workshops conducted by other music clubs in the city.

### KCG CIVIL SERVICES ASPIRANTS CLUB

"Those who can work hard and have passion to become civil servants can crack civil service exams," said Mr. Israel Jebasingh at a seminar on "Civil Service as a Career", organized by the

Higher Education Cell and KCG Civil Services Aspirants Club.

Mr. Jebasingh, who belongs to the 2004 batch of IAS and who currently is the Director of Officers IAS Academy, shared his experience on how he prepared for civil service exams, how he served effectively as a successful IAS officer and how he prepares aspirants for UPSC exams at his own IAS academy. Over a hundred students attended the seminar and interacted with the resource person.

### KCG MOBILE APPS CLUB

KCG Mobile Apps Club exposes its members to basic knowledge on the various UI components and their functions. Members were engaged in a hands-on session on the various layouts used in UI



designing for APP development. On 18 March'17 students developed a Nano App called Hand Cricket in their own mobile phones using sketchware tool.

### ROBOTICS CLUB

Robotics Club aims at nurturing students' interest in Robotics. During this semester, Robotic Club members were exposed to Firebird Robots which works on Atmega 2560 microcontroller.



They were given hands-on experience on Buzzer beeping, LCD display, Motion control and Velocity control. On 11 March'17, after a demonstration by Mr. Jose Anand (ECE) on assembling a robot, students were given an opportunity to assemble it themselves. On 18 March'17 Senthil Nadhavan (I yr, Mech) taught and demonstrated to his fello mates - designing and assembling a Line following Robot and a 5 Volt Regulator.

### IOT CLUB

IOT Club functions along with the KCG - Intel Centre of Excellence in IOT, to provide club members a great opportunity to gain hands on experience on IOT related technology. IOT members contribute towards the development of working prototypes that can be



elevated to marketable products.

This semester IoT members

- demonstrated the IOT based projects to school students
- attended a Workshop on Fundamental of Arduino Programming at Tamil Nadu Science and Technology Centre where they were given the touch and feel experience of sensors and controllers used in IoT
- were guided to work on IoT based projects by Mr. S Elanthamizhan, Project Associate, IOT.

On 7 Feb'17, R. Shankar secured 1st Place in Arduino Coding Contest in the Technical Symposium at Madras Institute of Technology.

### KCG DANCE TEAM IMMORTALZ TOUCH THE STARS

- 1st Place in Radio Mirchi's KALOORI STARS held at Ampa Skywalk on 11 Feb'17.



1st Place in HASTAG '17 at SRM University on 24 March'17.

- 1st Place in SRIJANA '17 at PSG Institute of Management on 11 March'17.
- 2nd Place in PRIDE 2K'17 at Saveetha School of Management on 28 Feb'17.
- 1st Prize in MIDAS 2017 at MIDAS Institute of Architecture on 4 March'17.
- 2nd Place in TAKSHASHILA '17 at Chennai Institute of Technology on 18 March'17
- 1st Place in Tamil Nadu Dance Fest at Grand Mall, Velachery on 18 May'17.

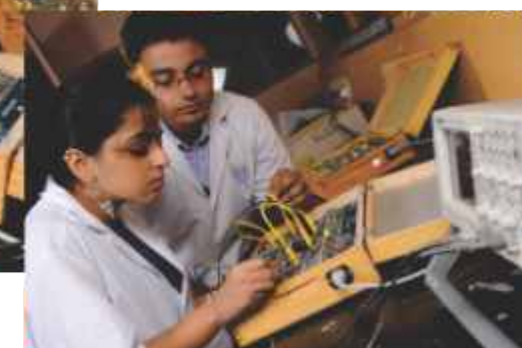




## In-Plant Training

DEPT	NAME OF STUDENT	NAME OF ORGANIZATION	DURATION
AERO	Malavika Menon Viswa Vijayakumar	Saffron Aerospace, Bangalore	2 Months
	Shiva Nandita Soma Raj	IIW, Dehradun	6 Months
CIVIL	Anto Abinash. G Karthick. S Deepak Aravindh Kumar. S Karthikeyan. J Aswin Bharath. T Pon Raghul Ramkumar. V Saikiran. S Praveen. R	Water Resources Department, Govt. of Tamil Nadu	5 Days
IT	Balaji. S Bharathi Kannan.S Jayaram. J.S Nikesh Kumar. B.K Abilash.C Yaminee. K Pranamyia.G Divya Priya. V Srinidhi Srinivasan	Infosys, Mysuru ZOH Corporation Pvt. Ltd.	4 Months 5 Months
		Logic Information Systems Guire Healthcare Private Ltd BSNL	1 Month 1 Month 7 Days
CSE	Sarathkumar. N Sudharsan. R. A Surjith. S Vinnarasu. M Valliappan.R. M Anjana.K Aswathy Ganesh Eshwarasi Durga Ganesh R.Leelavathi Mr Sayaji. PShirke M.Joshua Ranjit Christian Swetha.S M.Sameual Ebenezer R. Praveen S.P.S.Roshan G.Saicharan T.Ramya D. Priya Saishree Shilpa Vinothini Kantha Kumar Akila.R Chella Archana Giridharan.S	Kaashiv Infotech, Chennai	5 Days
		Regional Telecom Training Centre, Chennai Doodleblue Innovations Private Limited Philips India Limited Amazon DCI Polyspin Exports Limited	5 Days 6 Weeks 2 Months 3 Months 2 Months
EEE	Balamurali. M Naveen Kumar. S Prassanna Kumar. B B. Jayaseelan V. Manoj	Joshi Soft Tech	2 Weeks
	Balamurali. M Naveen Kumar. S	Infosys	4 Months
EEE	Balamurali. M Naveen Kumar. S Prassanna Kumar. B B. Jayaseelan V. Manoj	JSW Energy Centre of Excellence, Bellary , Karnataka	6 Day
	Balamurali. M Naveen Kumar. S	Ashok Leyland, Ennore, Chennai	5 Days
		UNIQ Technologies, Chennai	3 Days

DEPT	NAME OF STUDENT	NAME OF ORGANIZATION	DURATION
	Ajith. B. H Deva. T Balaji. K Deepthi. G Balamurugan. S Maharajan. K Nandhagopal. S Arunkumar. L Prakash. V Balamurali. M Naveen Kumar. S Prassanna Kumar. B Bharath. V Aishwarya Lakshmi. J Haripriya. K Kripalini. S Nijandhan. N	BSNL, Chennai	5 Days
		INTEL Power Systems, Chennai HP Software Education Services Vadapalani, Chennai Integral Coach Factory, Perambur, Chennai ZOH Corporation Pvt.Ltd. Chennai	6 Days 12 Days 8 Days 3 Months
		ICF, Chennai Xtracut Systems Private Ltd., Chennai	7 Days 2 Months
		National Institute of Wind Energy, Chennai	3 Months
MECH	Vignesh. D	Hyundai Motor India Ltd, Kancheepuram	5 Days
	Akilan AugustinSam Bharathi.E Bharathi.S Harsha Dyanesh Joseph George Periyasamy.G Agasthya.R Ilayakannan.S.K	ICF, Chennai	7 Days
		NORD Drive Systems Pvt Ltd, Pune	5 Days





## Faculty Development Programs Attended by KCG Staff

MONTH	DEPT	NAME OF FACULTY	TITLE OF FDP	VENUE	DURATION
DEC	AERO	Mr.Adhil Sharief Mr.Prabu.R Mr.Venkatramanan Mr.Ravichandran	Flight Vehicle Structure and Materials	Tagore Engineering College	1 Day
	MECH	Mr.Cyril Reuben Raj Mr.Imanikandan Mr.A.Venkatesan.A Mr.S.Muthukrishnan	Thermal Engineering	KCG College of Technology	5 Days
	EIE	Mr. D.Sundarasekaran	Process Control in Industries.	Thygaraja College of Engineering, Madurai.	1 Day
		Mr.Vijay.C Ms.N. Sivakamasundari	Process Control & Its Applications	Easwari Engineering College	7 Days
		Ms. Ramya . V	Computer Control Process & Its Applications	KCG College of Technology	2 Days
	EEE	Ms. Saravanakamalam. D Mr. Preshnave. M Ms. Jitha Varghese Ms. Suganya. A. V Ms. Saravanakamalam. D Mr. Subash Chandra Bharathi. S	Embedded Systems	SSN College of Engineering	8 Days
		Mr. Balaji. S	India International Science Festival 2016	National Physics Laboratory, New Delhi	5 Days
		Ms.Thanu James	Programming Skills	KCG College of Technology	1 Day
JAN	CSE	Mr. Sankar S Ms. S. Jayanthi Ms. Lydia Elizabeth Abraham Ms. S. Anitha Ms. Minju P George Mr. Prabakeran Saravanan	National Level Capacity Building Workshop on Big Data Analytics	University of Madras	1 Day
	CIVIL	Mr. Deepak	Seismic Resistant Design of Masonry and Reinforced Concrete Structures	IISc Bangalore	5 Days
FEB	EEE	Mr. Rubin Bose. S	Two Days Hands - on Training on Image Processing, Computer Vision and Machine Learning (IPCVML'17)	MIT, Anna University	2 Days
	MCA	S.Srinivasan	Exploring Cloud Applicability in Industries	VIT, Chennai	1 Day
	S&H	Ms. B. Felcia Merlin	International Symposium on Recent Advances in Nanomaterials & Workshop on Modeling and Simulations of Nanomaterials Using Vasp, Synthesis and Characterization of Nano Materials	Hindustan University, Padur	2 Days
	EEE	Ms.Thanu James	Intel IoT Centre of Excellence Workshop on "Intel Galileo Board Gen 2"	KCG College of Technology	4 Days
	IT	Ms. Anju			

MONTH	DEPT	NAME OF FACULTY	TITLE OF FDP	VENUE	DURATION
FEB	CIVIL	Mr.T.Selvakumar	Filtration in Desalination Plants and Issues in India- Study Made by CPCB	Chennai Metropolitan Water Supply and Sewerage Board Training Centre	1 Day
		Mr. T. Selvakumar	Excavation and Trenching Techniques	Chennai Metropolitan Water Supply and Sewerage Board Training Centre	1 Day
		Mr. T. Selvakumar	Testing of Water Main and Sewer Mains	Chennai Metropolitan Water Supply and Sewerage Board Training Centre	1 Day
	CSE	Dr. R Dhanalakshmi	Intel Sponsored FICE Workshop on IoT	KCG College of Technology	3 Days
	ECE	Ms.Kavitha Balamurugan Ms.B.Thyla Ms.Abida Begum Ms.Nirmala Devi Ms.B.Vidhya Ms.Jeena Maria All ECE Faculty	MMA Women Managers Convention 2017	Taj Coromandel	1 Day
			Integrating Gis into e-Health Initiatives In India	KCG College of Technology	2 Days
	EEE	Ms. Femina A.V. Ms. Saravanakamalam. D Mr. Subash Chandra Bharathi. S	National Technical Seminar on Future Technologies for Combat Vehicles (Ftc2017)	Combat Vehicles Research and Development Establishment, DRDO, Ministry of Defence , Avadi	1 Day
APRIL	MECH	Dr.S.Ramesh	QIP Short Term Course on "Materials Tribology : Fundamentals and Recent Advances"	IIT,BHU	7 Days
	IT	Mr. Hariharan B Mr.Sreekanthakumar.V.P	OBE Practices	Cape Institute of Technology	2 Days
		Dr.Anithaashri.T.P Dr. R Rajkumar	Artificial Intelligence Workshop Virtualization: Models, Services, Standards and Applications	ACT College of Technology	1 Day
	S&H	Ms. B.Poorani Ms. M.Geetha Lakshmi Ms. Kanimozhi Raman	International Conference on Recent Trends in Mathematics	College of Engineering, Guindy, Anna University	2 Days
	CSE	Ms. Anitha S	National Seminar on Research Methodologies	Loyola College, Chennai	1 Day
				RMD Engineering College	1Day



# KCG NCC Cadets Excel & Win Innumerable Awards

Army Attachment Camp is a camp conducted to give a hands-on experience for cadets on the physical training of a soldier and his habits. Rigorous physical training is the uniqueness of this camp. This camp was conducted by XVIII DOGRA REGIMENT HYDERABAD from 01-02-2017 to 15-02-2017. CUO SAMAR VIKRANTH CSM GOPINATH and SGT MURUGAN from KCG NCC COMPANY participated in this camp and learned many new drill test and how to sustain in difficult situations. CUO SAMAR VIKRANTH P was awarded the BEST CADET OF ARMY ATTACHMENT CAMP.



**Mr. Murugan (IV, IT) and KCG NCC CADET COMPLETED CERTIFICATION** in Army Attachment Camp held at XVIII Dogra Regiment, Hyderabad from 1st to 15th Feb'17



**KCG NCC CADET PURUSHOTHMAN WON 1st PRIZE** in DEBATE in CADO ALPHA 2017, organized at Alpha Arts & Science Chennai



**INGENIUS (AIR SHOW)** Air Show was organized for school students at KCG and the ground run of Cessna - 152 was conducted.



**KCG NCC CADET PURUSHOTHMAN & CADET THIRUMALAI WON 2nd PRIZE** in DEBATE in CADO WOODS 2017 organized for NCC Cadets at Madras Christian College on 10 & 11 Feb'17.



**KCG NCC CADET BHARAT PRABHU CADET ABIRAJ WON 3rd PRIZE** in TSC AT CADO WOODS 2017, organized for NCC Cadets at Madras Christian College on 10 & 11 Feb'17



**KCG CADETS WON 3rd PRIZE** in NIAP EVENT (National Integration Awareness Program)



**CANCER AWARENESS RALLY - organized by NCC CADETS** on 15 March'17

## Sports Awards

### Individual Events

- Rajeshwari (EEE) won **Bronze Medal** in KARATE- KATA (W) in AIM KARATE TOURNAMENT, organized at JJ B.B Stadium, Chennai on 8 Jan'17.

### Team Events

- KCG Team won **1st Place** in TENNIS (M) in KCG Trophy, organized by Hindustan Group of Institutions on 28 March'17.
- KCG Team, **THROWBALL (W)**, won **MNM JAIN TROPHY**, organized at MNM Jain College of Engineering on 30 March'17.
- KCG Team, **THROWBALL (W)**, won **3rd Place** in **SAIRAM TROPHY- 2017**, organized at Sairam College of Engineering on 4 and 5 Feb'17.

- KCG Team, **VOLLEYBALL (M)** was **Runner-up** in **Saveetha Trophy- 2017**, organized at Saveetha University on 22 and 23 Feb'17.
- KCG Team, **VOLLEYBALL (M)**, was **Runner-up** in **CIT-Trophy**, organized at Chennai Institute of Technology on 24 and 25 Feb'17.
- KCG Team, **BASKETBALL (M)**, was **Runner-up** in **CIT- Trophy**, organized at Chennai Institute of Technology on 24 and 25 Feb'17.
- KCG Team, **HANDBALL (M)**, was **Runner-up** in **VIT- Trophy**, organized at VIT on 2 March'17.
- KCG Team won **3rd Place** in **TENNIS (M)** in **LICET TROPHY-2017**, organized at LICET, Chennai from 16 to 20 Jan'17.



**Winners of Sairam Trophy at Sairam College**



**Our College won many sports events in KCG Tournament 2017 and Intra Hindustan Tournament 2017 organized at Hindustan University on 17 March'17.**

**In KCG Tournament 2017**

**1st Place in HANDBALL (M)**

**1st Place in TENNIS (M)**

**1st Place in THROWBALL (W)**

**Runners-up in VOLLEYBALL (M)**

**Runners -up in FOOTBALL (M)**

**In Intra Hindustan Tournament 2017**

**1st Place in THROWBALL (W)**

**3rd Place in FOOTBALL (M)**

**Runner- up in VOLLEYBALL (M)**

**Runner- up in BASKETBALL (M)**

**Runner-up in CRICKET (M)**

**Runner-up in BADMINTON (M)**

**Runner-up in TABLE TENNIS (M)**

**Runner-up in VOLLEYBALL (W)**

**Runner-up in BASKETBALL (W)**

**Runner-up in BADMINTON (W)**



**Winners of Saveetha Trophy at Saveetha College of Engineering**



**Winners of Volleyball - CIT Trophy 2017**



**Basket ball Winners with CIT Trophy 2017**



**KCG Trophy Football Winners**

**KCG Trophy Throwball Winners**





# In the News

**BIZ BUZZ**

**KCG COLLEGE OF TECHNOLOGY SIGNS MOU**

**JEVACHANDRAN TEXTILES - PALLIKARANAI BRANCH OPENING**

**VELS UNIVERSITY MARINE-TIME PASSING OUT**

**NLCIL'S 61ST RAISING DAY CELEBRATIONS**

**OF SELF-SECTORAL CLAVE**

**பட்டமணிப்பு விழா**

**KCG College of Technology named best private engineering college at Chennai**

**KCG College signs MoU with CDCE Institute of Automation and Robotics**

**CHENNAI DIGEST**

**Graduation Day celebrated at KCG**

**KCGCT SIGNS MOU WITH IET-OLN AND UNIVERSITY OF SURABAYA**

**KCGCT ORGANISES FDP ON ENERGY EFFICIENT BUILDINGS**

**BUDDING TALENT**

**பட்டமணிப்பு விழா**





# 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



**Campus:** KCG Nagar, Rajiv Gandhi Salai (OMR), Karapakkam, Chennai - 600 097.

**Phone:** 044-2450 1046 / 3140

**Mobile:** +91 90038 71717 **Email:** [info@kcgcollege.com](mailto:info@kcgcollege.com)