

### VISION

KCG College of Technology aspires to become a globally recognized centre of excellence for science, technology & engineering education, committed to quality teaching, learning and research while ensuring for every student a unique educational experience which will promote leadership, job creation, social commitment and service to nation building.

### MISSION

- ❖ Disseminate knowledge in a rigorous and intellectually stimulating environment
- ❖ Facilitate socially responsive research, innovation and entrepreneurship
- ❖ Foster holistic development and professional competency
- ❖ Nurture the virtue of service and an ethical value system in the young minds

### GRADUATION DAY

The 14th Graduation Day of KCG College of Technology was held on May 28, 2016. Dr Bhaskar Ramamurthi, Director, Indian Institute of Technology-Madras, was the Chief Guest on the occasion. Also present on the occasion were, Dr Elizabeth Verghese, Chairperson, Hindustan Group of Institutions, Dr Anand Jacob Verghese, Director & CEO, KCG College of Technology & Dr. Annie Jacob, Director, KCG College of Technology. A total of 576 graduands received their degrees on the solemn occasion.

Dr Bhaskar Ramamurthi delivered the convocation address and presented medals to the rank holders and degree certificates to the graduating students. Out of the 576 graduating students who received their degrees, 30 students had secured University Ranks, 28 students distinction and 491 students first class. Gold medals and Cash prizes were given to meritorious students.



### **ELECRAMA 2016**

#### **KCG MECH TEAM WON SECOND PRIZE**

ENGINEER INFINITE - A National Level Innovation Competition for Engineering Students - is an event in ELECRAMA, the world's largest showcase for equipments and technology in the power business, organized by the Indian Electrical and Electronic Manufacturers Association (IEEMA) and aimed at encouraging and appreciating innovative ideas that result in a product of significant social and economical importance. Out of more than 1400 colleges and universities from all over India and 1700 teams, three Mechanical Engineering Final Year students: Ashik Mohammed, Jabir Mohammed and Kamesh Kumar under the guidance of Mr. K.G.Maheswaran, Associate Professor, Department of Mechanical Engineering won the 2nd Prize for their project "CHULHA STIRLING ENGINE", which showed how the waste heat from Chulha can be utilized in a sterling engine to generate electricity. They also won a cash award of Rs.1,00,000.



## INFOSYS INSPIRE AWARD

**Mr. Balaji** (CSE) received the “Infosys Inspire - The Campus Connect Infosys Faculty Partnership Award (Bronze)” from M/S Infosys Limited for his contribution to Infosys Campus-Connect Program.

## KUDOS TO KCG TOASTMASTERS

**TM Vejey Subash** received the prestigious Golden Gavel Plus for KCG Toast Masters Club at OVATIONS 2015 in Colombo, Srilanka. He is now the Area Director of Division G5. **TM Arul Kishore** and **TM Princely Samuel** won the Humorous Speech contest. **TM Princely Samuel** and **TM Manojayanth** won the Evaluation Speech Contest. **TM Shankar** represented KCG in the International Speech Contest and **TM Manojayanth** in Table Topic Contest in Sangamam-2016, the Annual Division G Conference, at PSG Institute of Management, Coimbatore.

175<sup>th</sup> KCG Toastmasters Meeting saw **TM Jaswanth Krishnamoorthy**, Winner, DivisionLevel ISC, 2015 handle an educational session on ‘How to Ace an ISC’.



TM Shankar and TM Manojayanth at International Speech Contest

## INAUGURATION OF CENTER OF EXCELLENCE FOR UAVS AND MAVS

**CENTER OF EXCELLENCE FOR UAVS AND MAVS** was inaugurated in the Department of Aeronautical Engineering by Wg. Cdr. K.Manoharan, GM, Blue Dart Aviation Pvt Ltd, Chennai on 11 Feb 2016. UAVs were flown one by one in four different categories of fixed wings above the AERO Hangar for 30 minutes and there were demonstrations of flying maneuvers like diving, rolling, pitching etc.

A one-day national level workshop on “Recent Trends in UAVs and MAVs” was organized on the same day and the resource person was Dr. G. Anitha, Avionics Division, MIT, Anna University.

## RENDEZVOUS WITH ALUMNI

An alumni interaction meeting was conducted on March 5, 2016 by the EEE department. It provided a different perspective to the pre-final year students about campus placement and the struggles engineers face to get better jobs. The alumni who enlightened the EEE students were: **Mr.Vijayanand (2006-2010)** from **Bosch**, **Mr.Venkat Raghavan (2004-2008)** from **Hexaware**, **Mr.Venkatesh (2004-2008)** and **Mr.Reuban (2004-2008)** both from **ABB**, **Mr.Mohan (2010-2014)** and **Mr.Vivek (2010- 2014)** from **CTS**, **Mr.Naveenkumar (2010-2014)** from **HCL Oracle DBB** and **Mr.Patrick (2011-2015)** from **Jugheirich**.



## E-WEEK

21-27 FEB 2016

### INNOVATIVE IDEAS FOR A BETTER WORLD

KCG College of Technology received RUNNER-UP award for the E-Week 2016 – an award given to institutes who inspire, develop and support the next generation of entrepreneurs and entrepreneurial leaders – young people who will take India to the next level of development and growth.

E-WEEK is dedicated to celebrate the spirit of Entrepreneurship among the e-cells of different colleges in the country. This year's e-week theme was Innovative Ideas for a Better World and so programmes were planned in sectors like healthy lifestyle, nutritious food, saving turtles, digital marketing, road safety awareness, entrepreneurship, technical talk on aerospace and many more. Events organized by the budding entrepreneurs at KCG were:

**21 Feb 2016 - Ridley Run'16** at Marina Beach – to create awareness about the endangered Olive Ridley turtle species and the state of coastal environment

**22 Feb 2016 - Awareness on Earphones** in college buses – to enlighten students about the ill effects of using earphones continuously and **Project Presentations** by students to exhibit their innovation on **Internet of Things (IOT)**

**23 Feb 2016 - Rally and Mime on Road Safety** at Karapakkam Signal and **Entrepreneurship and Road Safety Awareness** at the Phoenix Mall - to spread awareness among people about safe driving, road safety sign boards and entrepreneurship

**24 Feb 2016 - Presentation by Mr. Gokul, Scientist, ISRO** about **EWB - Engineers without Border** - which is a non-profit society that connects Engineers across the globe to do social projects in areas of sanitation, water, energy, health and education in order to improve the quality of life of ordinary people.



**25 Feb 2016** – Address on **Aerospace and the Frontiers Ahead** by **Mr. Gowrishanker, Member of Royal Aeronautical Society (Alumni Entrepreneur)** and address on **Digital Marketing and Social Media** by **Ms. Vani Murugesan, Marketing Manager, HIET**. Digital Marketing being an emerging trend in advertising field, the session made students understand how social media and online websites can be used as an advertising medium.

**26 Feb 2016 – Master Chef Competition** in the EPL Lab, KCG - where students' culinary skills were displayed and judged by **Ms. Kamalika Krismy, Founder, The Old Madras Company** and a program on **6dots** in the KMC Auditorium where students were taught a practical approach to fitness blended with ancient ways of workouts by **Mr. Sundaresan & Mr. Senthil, Founders of 6dots**. In the afternoon was the Personality Development session when entrepreneurial ventures, understanding of the industry and industry standards and expectations were discussed in detail by **Mr. Arjun, Trainer at Untitled**

**27 & 28 Feb 2016 - Cloud10 Bazaar** at Zeppelin, KCG. cloud10 bazaar, as it is popularly known, serves as a great platform for students to have hands-on-experience in doing business. A wide variety of products were offered for sale - leather items, plant saplings, home accessories, clothing, ethnic wear, console gaming, virtual reality, and of course food.



Students of KCG College of Technology  
E - Week - Innovative Ideas for a Better World



## OTHER E-CELL & I-CELL ACTIVITIES

- Dr. Sumathi Poobal (VP) , Mr. R.V.Sankar (S&H), Dr.Deivasundari (EEE), Ms. Jayashree (Civil), Ms. R.N.Sharmila (IT) attended TIECON 2015 on 31Oct 2015
- Mr. R. Sankar (S&H) is a certified NEN Trainer on Mentoring Skills Finishing School.
- Mr. R. Sankar (S&H) attended four modules of 'Capacity Building Programme on BI' conducted in association with PSG College of Technology and EDI, Chennai between Dec 2015 and March 2016
- Dr. Sumathi Poobal attended 'CII Startupreneurs ' on 10 Feb 2016 at Leela Palace , Chennai
- Mr. Presenna Prabhu (Mech) attended 'NEN Kick-Starting the Entrepreneurial Campus' conducted by NEN at Sri Ramachandra College of Management, Sri Ramachandra University on 19 Feb 2016
- Dr.Sumathi Poobal was the resource person for the 'NEN Kick-Starting the Entrepreneurial Campus' conducted by NEN at Sri Ramachandra College of Management, Sri Ramachandra University on 19 Feb 2016
- Dr.Sumathi Poobal attended NEN Member Institutes Directors & Principals Roundtable on 19 April 2016 at IITM Research Park
- A five day 'php training; was conducted for II MCA students on for II MCA Students in March 2016
- IET-i-cell Young Minds Challenge 2016 - a project challenge on IoT was organized and the finale was conducted on 7 April 2016
- 'Training on Python' was conducted under the aegis of Programming Club.

## GUEST LECTURES & SEMINARS

DEPT	TITLE	NAME OF RESOURCE PERSON
AERO	Brief Overview of Airbus Company and Application of Knowledge of Aeronautical Subjects and Relevant Software Used in AIRBUS Industry in the Field of Propulsion & Structure	Mr.Siddarath Mondal Stress Analysis, Airbus, U
	Application in CFD	Dr.Ganesh Rajagopalan Assoc. Professor, IOWA State University
	Recent Trends in UAV/MAV"	Dr.G.Anitha M.I.T, Anna University
CIVIL	Embedded Systems & Robotics – e-Yantra Building Information Modeling	e-Yantra Team Mr. Mohanroop, Director, MR Foundations
	Water Quality Standards, Significance, and Testing Methodologies	Dr.S.Mathava Kumar Asst. Prof., IIT M & Mr.A.L.Radha Krishnan, Associate V, Darashaw and Co Pvt Ltd
CSE	Software Testing as a Career	Dr P.S. Kumar, Former VP,Butterfly
	Placement Readiness Program	Dr.S. Sankar Assoc. Prof/CSE, KCG College of Technology
	Know about of Your Industry Application in CFD  Workshop on Networking Hardware Demo  Infosys I gear-up Workshop	Mr.A.Balaji, Assistant Professor/CSE KCG College of Technology Mr Jegan, NetComputers & Mr. Nibin Mathew, System Admin, KCG Mr. Roy & Ms. Kalpana, Infosys
ECE	Workshop on Core Java	Advantage Pro IT Training Division,Vectra Technosoft Pvt Ltd
	Job Opportunities for Electronics Engineers in Logistic Applications	Manager, Good Ocean Maritime, Chennai.
	History of VLSI Design	Prof. Richard. C.S. Morling Emeritus Professor, University of Westminster, UK

DEPT	TITLE	NAME OF RESOURCE PERSON
	Hands on Workshop on PCB	EFY Team
	Hands on Workshop on ARDUINO	EFY Team
	Mobile Handset Servicing	Mr. Santhosh and TEAM M/s. Santel Mobiles
	Research Advances in Nano/Micro Device Applications	Dr. Kanagasabapathi Global Research Centre, New York & Dr. Deepa. R. Nair Assistant Professor, IITM
EEE	An Overview on 230 KV Substation	Mr. A. Palani Assistant Engineer, Veearpuram Substation
	Micro Grid Technologies and Current Trends in Industry	Mr. Balasubramani Dhandapani Technical Consultant - Controls and Automation Hubbell India
	Internet of Things	Thiru. Dharani Kumar Srinivasan Engineer, Renault Nissan Technology Business Center, India Pvt. Ltd
	Current Trends in Real Time Processing	Dr.J.SenthilRengarajan Scientist-F, LRDE,DRDO, Bangalore
	Hands-on Workshop on Solar Powered ON Grid and OFF Grid System	Mr. Vijayabalan CEO/Transun energy systems
	Workshop on PLC Based Industrial Automation	Mr.G. Sathya moorthy Application Engineer, Technocrat Automation
EIE	Automation in Petroleum Industries	Mr.Srinivasan, Trimax & Mr Gowtham Manager, Chennai Petroleum Corporation Ltd.
	Emerging Trends in Instrumentation	Dr.Vitawat Sitakkul Professor, King's Mongkuts University Thailand & Mr.D.Sundarasekaran Assoc. Professor/EIE KCG College of Technology
	Workshop on PCB Design	Mr.Kannan Exhibit Electronics
	P&ID diagrams	Mr.Vishnuwardhan & Ms.Nimmy Trend Automation



Presentation during the National Conference on "Advanced Research & Innovations in Mechanical Engineering"





DEPT	TITLE OF THE WORKSHOP	RESOURCE PERSON
IT	Industry Institution Interaction	Ms. Hema Malini, (KCG Alumni, IT 2010 Batch) Senior Application Developer iNautix Technologies Pvt. Ltd.,
	Software Testing	Dr.Anirban Basu Vice President, Computer Society of India
	Computer Hardware and Networking Awareness Program	Mr.B.Hariharan, Assistant Professor/IT KCG College of Technology
	Mobile App Workshop	Mr.Siva, Target Solutions, Chennai
MECH	Oil & Gas Conservation	Mr.S.Ramalingam National President Energy & Fuel Users' Association of India
	Production, Planning and Control	Dr P.S. Kumar, Former VP,Butterfly
	HVAC Industry – Scope and Career Prospects	Mr. B. Arunkumar HVAC Expert, Former Regional Manager, Carrier Air Conditioning Refrigeration Ltd.
	Product Realization – Making is New Thinking	Mr. J.K Bhushan Monotech Mr.Sugumar Institute of Industrial Design. Mr.Justin Babu Designtech Systems Dr. G. Arumaikannu, Professor, Manufacturing Engg, IITM
	Workshop on Challenges and Innovative Practices in Welding	Mr. Parthasarthy Sasi Anand M/S Fronius India (P) Ltd, Pune Mr. Ananthan.S.S Welding Research Institute(BHEL), Ex- GM BGR Boilers (P) Ltd Mr.Balakrishnan.R Ex- Corporate Quality BHEL Mr.Sabarinath C Nair CEO & Founder Skillveri Training Solutions Ltd, Chennai
	Workshop on Assembling and Dismantling of IC Engines	Resource Persons Kaisen Autotech, Chennai
MCA	Workshop on PHP	Mr.Venkatesh Software Engineer Global English Pvt.Ltd
	Trouble Shooting on Computers and Its Peripherals	Mr.S.Jagannathan, System Engineer,NED Computers
S & H	Workshop on Feature Writing	Dr. Albert P' Rayan, Professor, KCG College of Technology
	Importance of NMR Spectroscopy	Dr. Visalakshi Vijayaraghavan Head Complainece, Pfizer

## ACCOLADES GALORE FOR IETKCTECH

### IET AWARDS

IET RATNA AWARD for Dr. Anand Jacob Verghese, Director & CEO Hindustan Group of Institutions.





Others who won IET awards were:

- Dr. Dhanalakshmi. R (CSE) - IET WOMEN ENGINEER AWARD.
- Mr. Praveen Joe. I .R (CSE) - IET MEN ENGINEER AWARD.
- Mr. Vejey Subash Gandyer (CSE) - IET Dr. A.P.J. Abdul Kalam Inspirational Teacher Award.
- Ms. S. Divya (IV EIE) - IET YP Trendsetter of the Year & Rajendra Prasad Leadership Award.
- Ms. Anupriya (IV CSE) - IET KBS Academic Performance Award.

Other Recognitions from IET

- Mr. S. Cloudin (HoD – CSE) has been elected as the Vice-Chancellor of IET Chennai Local Network
- Mr. Sreekantha Kumar V.P. (CSE) is now Executive Committee Member of IET Chennai Local Network.

## IETKCTECH ACTIVITIES AT KCG

### Workshop on New Construction Materials & Techniques

The workshop was inaugurated by Mr. Kalyana Sundaram, Executive Engineer, PWD Chennai and attended by 50 students. While on the first day Mr. Kamalakannan, Executive Director, Ultracon Structural Systems gave a lecture on Post Tensioned Structures, an industrial visit was arranged to construction site at MRC Nagar, Raja Annamalaipuram on 20 Feb'16 to provide hands-on experience on post tensioning of residential building.

### IET YOUNG MIND CHALLENGE 2015

IET-YMC2015 aimed at identifying innovative research projects and prepare students for the future professional digital world and also to provide funding for their projects. The theme of the event was Internet of Things (IoT) and the demonstrated projects provided solutions for day-to-day problems like smart transportation and control system, farm management system, network of mobile surveillance devices, health monitoring system, education system, waste management system, gas leakage system, mobile charging socket, moisture control system, energy monitoring system, etc. The panel of experts who officiated as judges were Mr. K. Sriram Sastry, Director, Allied Electronics Ltd., Chennai, Dr. Sumathi Poobal, Vice-Principal, and Dr. Perinbam, Professor – ECE, KCG College of Technology.



IET Project Challenge 2016 @ KCG on 29th March 2016  
Project Evaluation

# IET

## IET PROJECT CHALLENGE - 2016

KCG College of Technology, Chennai in association with IET Chennai Chapter conducted an in-house project competition to select the best final year project from each department. This year the projects were evaluated by Mr. S. Subbian, Asst. Vice President, Gamesa Corporation, Mr. Karthick, Senior Manager, Signals and System (I) Pvt.Ltd, Mr. T. Arokia Raja Deepak, Deputy Manager, FLSmidth, Mr. J. Balamurugan, Asst. Engineer TNEB, Mr. T. Danasekaran, Consultant Engineer, Climate Center(I) Pvt. Ltd., and Mr. T. Gopikrishnan, Portfolio Manager, Tata Consultancy Services.

Many students from the departments of CSE, IT, ECE, EEE, EIE, Aero, Mech, and Civil demonstrated their projects and one project from each department was acclaimed the best project from that department.

## IOT PANEL DISCUSSION AND COMPETITIONS

Department of CSE conducted an IET sponsored Project Competition, Poster Competition and Panel Discussion on the theme Internet of Things (IoT) on 18 April'16. The chief guest of the day was Dr Frank Johnson, President, Ottawa Instrumentation Ltd, Canada.

The panel discussion was initiated by Mr. Dorai Thodla, then initiated the panel discussion by raising challenging questions on the scope of IoT and the verticals to be addressed by IoT. The panelists comprised Dr. Padmanaban Ramaswamy, Director, Wireless R&D Lab, Nexgtech Wireless Systems Pvt. Ltd., Bangalore, Mr. Dorai Thodla, Technology Entrepreneur, Chennai, Mr. Krishnaswamy Subramanian, Application Developer, Thought Works Technologies India Pvt. Ltd, Chennai, Mr Sukumar Subramanian, Head, Accel Animation Studios, Chennai and Ms. Meera Siva, Co-founder of RaNa Investment Advisors. The panelists then evaluated the posters and projects, shared their experiences and gave suggestions to nurture the ideas further.

## INDUSTRIAL VISITS

The third year B. E. student's visit to various industries and organisations like ISRO, Sriharikota; Schwing Stetter India Ltd; Nord Drive Systems, Pune; Koyambedu Sewage Treatment Plant, Chennai; Sulur Airforce Station, Coimbatore; Doordharshan, Chennai; NIOT, Chennai; HVE Lab , IITM and Dell India Pvt. Ltd., Chennai provided them an insight into the real working environment of industries.

# IOT



## WINNERS IN CO-CURRICULAR ACTIVITIES

STUDENT NAME	EVENT	VENUE	POSITION SECURED
A.Vinayak Kailash N.Vignesh (MECH)	VISAI'16	VELTECH University	Best Design and a Cash Award of Rs.10,000
Arvinth Kumar. V Arun Raj. A Balaji .B (ECE)	SLC at 6th International Project Competition & Exhibition	Veltech Dr.RR & Dr.SR. Technical University	1st Prize
Yadavaprasath G S. Prathap A. Sunil Kumar(EEE)	Minkalam	Jeppiar Engineering College	1st Prize
N. Naveen Raj (MECH)	Cad Modelling in AGRONA'1	Jeppiar Institute of Technology	1st Prize
Eassa Salim (S&H)	YLGC 2016	PSG College of Technology, Coimbatore	Best Delegate
Dharini.E Jasper Grace Catherine.G (S&H)	Poster Presentation in Convergence' 16	Sai Ram Engineering College	2nd Prize
B. Prasanna Kumar(S&H)	Poster Presentation in Convergence' 16	Sai Ram Engineering College	2nd Prize
S. Jayapriya A. Aravindan R. Aswin (EEE)	Minkalam	Jeppiar Engineering College	3rd Prize
Vinoth Kumar Megna, Shilpa, Shyno(EIE) Iswarya Devi Subanesh Subramanian Suman.M Sairam.R Subramaniam Ramkumar.S	Mini Project Competition Project Challenge  Mini Project Competition Project Challenge  Idea Competition E-Yantra Robotics	KCG College of Technology	Best Project  Best Project  Runner-up
Parthiban. S, Praveen Kumar.S Sajitha Banu.K, Sanjay.S (ECE) Monica. M, Prasanna Venkateswaran.T, Ranjani. S (ECE) Maha Krishnan.S, Manoj- kumar.M Mohan Natraj, P.Thanikachalam.K (EEE)	IETE Project Competition	KCG College of Technology	1st Prize
Abishek.B, Blessy Victoria Bai. R Gayathiri. L, Harshavardhini. A (ECE)	IETE Project Competition	KCG College of Technology	2nd Prize
Umamaheswari. K, Vasanthalakshmi. R Yasmin Begum. D, Ranjan Kumar Gupta ECE	IETE Project Competition	KCG College of Technology	3rd Prize



Participants, Resource person and Students – Mini-Project Challenge 2016

## SECOND INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND APPLICATIONS (ICICA)

ICICA was organized on 5 & 6 Feb'16. The theme of the conference unified the picture of contemporary intelligent computing techniques as an integral concept that highlights the trends in computational intelligence and bridges theoretical research concepts with applications.

A committee of General Chairs constituted of Dr. P. Deiva Sundari of KCG College of Technology, Dr. Bijay Ketan Panigrahi of IIT Delhi, Prof. Durbadal Mandal of NIT Durgapur and Programme chairs that include Dr. Swagatam Das of ISI Kolkotta, Prof. Rajib Kar of NIT Durgapur, Dr. Dash S S of SRM University, Chennai and Dr. P. S. Mayurappriyan of KCG College of Technology and Springer has approved to publish the reviewed research papers in the journal.

The conference was inaugurated by Mr. Pashupathy Gopalan, President SunEdison – Asia Pacific on 5 Feb'16. Other eminent dignitaries who contributed their might to the conference were;

- Dr. Vitawat Sitakul, King Mongkut's University of Technology, Thailand
- Dr. Sarathi, IIT Madras
- Dr. S. S. Dash, SRM University, Chennai
- Mr. Swaminathan, (Retired GM), Neyveli Lignite Corporation
- Mr. Sivakumar, NITEO Technologies, Chennai
- Mr. Martin Fiddler, Staffordshire University, United Kingdom
- Mr. Niko Decourt of Staffordshire University, United Kingdom
- Dr. Swagatam Dass of Indian Statistical Institute, Kolkata.

## CONFERENCE ON INDIAN CONSTITUTION

KCG College of Technology organized a one - day conference on Indian Constitution 28 Nov'15. The objectives of the conference was to bring together teachers, teacher educators, academicians and other like-minded people, to discuss the importance of having knowledge about and a better understanding of our Constitution and to discuss the possibilities of integrating Constitution education in the school curricula. Justice P Jyothimani, Judicial Member, National Green Tribunal was the Chief Guest who stressed the need to understand the Constitution of India. Advocate Mr.E.Omprakash, Partner, Ramalingam & Associates, Dr B. Venugopal, Professor of Law, Department of Legal Studies, Madras University and Mr Ramalingam, Senior Partner, Ramalingam & Associates were the other dignitaries who spoke and discussed on other aspects like the Legislature and its Powers, Judiciary and the Election Commission and the Fundamental Rights and Duties of Indian citizens.

## NATIONAL CONFERENCE ON SUSTAINABLE TECHNOLOGY IN CIVIL ENGINEERING

Department of Civil Engineering and Centre for Sustainable Technology organised a one day National Conference on "Sustainable Technology in Civil Engineering" on 19 March'16. Mr.S.Rajauduari, AGM -Coordinator, CASA GRANDE Private Limited presided as chief guest and inaugurated the event. Dr. P. Chandramohan, Managing Director, Indomer Coastal Hydraulics (P) Ltd was the Guest of Honour.

## FDP ON PLANNING AND EXECUTING AN INTERNATIONAL QUALITY Ph.D

The Department of Electronics and Communication Engineering and Research Forum of KCG College of Technology organized a FDP on '**Planning and Executing an International Quality Ph.D**' on 8 and 9 Jan'16. The Chief Guest was Dr. Hema Gopal, Vice President, Global Head, IBM Centre for Excellence, TATA Consultancy Services and the resource persons were Dr. P Shanmugham Palani, Senior Principal Scientist, CLRI, Mr. D. Gnanabharathi, Senior Principal Scientist, CLRI, Dr. Poornachandra, Professor, Dean, SNS College of Engineering, and Dr. R. Gladwin Pradeep, Assistant Professor, KCG College of Technology.

## NATIONAL SEMINAR ON EMERGING TRENDS IN ADVANCED COMPOSITE MATERIALS (ETACM-2016)

ETACM-2016 was organized by the Department of Aeronautical Engineering in association with "The Aeronautical Society of India" on 2 March 2016. Dr.K. Jayaraman, Director, DRDL Hyderabad was the Chief Guest and he inaugurated the seminar and the Centre of Composite Materials for Research and Training of Advanced Composites. He also visited and cleared the doubts of the students in their work on "Base Drag Reduction Studies By CFD and Experiment at Low Speeds".

## RECENT TRENDS IN APPLIED PHYSICS

A two day seminar on Recent Trends in Applied Physics was organized by Department of Science and Humanities on March 18 &19, 2016. The seminar was inaugurated by Dr. Gunasekaran (Dean-Research, St.Peter's University and President, Indian Spectrophysics Association) whose talk detailed the hitherto unknown applications of FTIR Spectroscopy. Other speakers who enlightened the audience were Dr. Ramanan (IMD) on Weather Predictions, Dr. Sriramkumar (IITM) on Gravitational Waves, Dr. Samuel Selvaraj (Presidency College) on Weather Phenomena, Mr. Pradeep John (Tamil Nadu Weatherman) on Numerical Models, Dr. Kumar (Director, CTDT, Anna University) on Photovoltaics, and Dr. Gladwin Pradeep (Department of Physics, KCG College of Technology) on Non-linear Dynamics.

## SINGAPORE AIRSHOW 2016 - (16 - 21 FEB 2016)

As Asia's largest Airshow, this is the place to be for leading aerospace companies and budding players eager to make their mark in the International aerospace and defence market. It is also a global marketplace and neutral platform for aerospace industry representatives around the world to do business, network, discover the latest innovations and exchange ideas to spur developments across the industry. The show also demonstrates thorough leadership in civil and military aviation through its extremely successful high-level conferences; namely the Singapore Aviation Leadership Summit and the Asia Pacific Security Conference. Mr. Jayaba (AERO) was sponsored by the management to attend this show and share his experiences with AERO students.



Our Exhibition Hall in Singapore Air Show





## HIGHER EDUCATION CELL

### • Think Poland

Polish delegate Marcin Uminski of Think Poland, a European Union Innovative Economy Program, made a presentation on "Studying in Poland" on Wednesday, 27 Jan 2016.

### • Guidance and Counselling

Students planning to pursue higher studies were offered guidance on preparing for language proficiency tests and other examinations (IELTS, TOEFL, GRE, GATE etc.), SOP writing, LOR, etc. GATE coaching was given to AERO students.

### • Civil Services Aspirants Club

Members of the club meet once a week and discuss current affairs. They are also trained to develop their interpersonal and communication skills.

## FDPS ATTENDED BY STAFF

Thirty Eight Staff from engineering departments attended faculty development programmes on various areas such as Structural Analysis, Bio- Medical Instrumentation, Embedded Systems and Innovations in Production Technology.

## FDPS CONDUCTED BY STAFF

NAME OF KCG STAFF	TITLE OF WORKSHOP / SEMINAR	VENUE
T.Thomas Leonid (ECE)	Embedded System Workshop	Anand Institute of Higher Technology, Chennai
Dr. Sivaramakrishna Das.P (S&H)	One Day FDP on Basic Sciences and Humanities	Agni College of Engineering
Mr.Ramanayagam, Ms.Sheela Sudheer (MCA)	Workshop on Data Mining Techniques and Tools	Hindustan Arts and Science College, Chennai
Mr.Ramanayagam, Ms.S.Alamelu	Workshop on Python Programming and Data Mining Techniques	Hindustan Arts and Science College, Chennai
Dr G.S.Kumarasamy (MECH)	Guest Lecture on Optimization Techniques in Engineering	Highway Research Station, Highways, Govt of Tamil Nadu
Dr. Albert P' Rayan(S&H)	Workshop on Mobile Apps. for English Language	Loyola College, Chennai
Ms.Sheela Sudheer(MCA)	WEKA TOOL	KCG College of Technology
Dr. M. Krishnamurthy(CSE)	Big Data Analytics in UGC Sponsored Workshop	L N Govt. College Chennai
Mr. Praveen Joe I R	Motivational Talk on 'How to contour your future as an Engineer?'	Indira Institute of Engineering and Technology
	Guest Lecture on Shifting from Object Orientation to Service Orientation	Indira Institute of Engineering and Technology
Ms. Agnus & Mr. Balajee(CSE)	Workshop - cum - Hands on Training on Building of UPS	KCG College of Technology
Dr Albert P' Rayan & Mr.S. Princely Samuel(S&H)	Workshop on 21st Century Skills	Dr. M.G.R. University
Dr. Sivaramakrishna Das(S&H)	Workshop on Graph Theory and Applications	St. Joseph's College of Engineering, Chennai

## Other than these

**Dr. R. Senthil (EIE)** delivered the Keynote Address in the International conference ICCSP-15 organized at Adhiparasakthi Engineering College on 6 April 2016.

**Dr. R. Senthil (EIE)** delivered the Keynote Address in the National Conference ICCSP-15, organized at Saveetha Engineering College on 26 March 2016.

**Mr. Praveen Joe (CSE)** delivered the Keynote Address in the IEEE International Conference on Human- Computer Interactions organized at Saveetha Engineering College on 10 March 2016.

**Dr. P. Deiva Sundari (EEE)** delivered a talk in the National Conference on Advances in Materials Science and Nonlinear Science (AMSN) organized at B.S. Abdur Rahman University on 25 Feb 2016

**Dr. Albert P' Rayan (S&H)** delivered the Keynote Address at the UGC-sponsored National Symposium-cum-Workshop on Personal Learning Environment in the Digital World, organized by Gujarat Law Society's Smt Sadguna College of Arts for Women, Ahmedabad on 8-9 Jan 2016.

## REPUBLIC DAY CELEBRATIONS

Commodore R. Seshadri Vasan was the Chief Guest for the republic day celebration. He hoisted the National Flag and shared his experience with the Indian Navy spanning more than 30 years. Students and NCC cadets also gave inspiring republic day speeches. The programme came to an end with the Tree Plantation event. The cadets planted around 320 saplings of different varieties in the college campus.

## HINDUSTAN YOUNG LEADERS CONFERENCE (HYLC 16)

### "Empowering the nation builders of tomorrow"

The Hindustan Young Leaders' Conference (HYLC) organized by KCG College of Technology has carved a niche for itself in the MUN circuit for providing a platform to foster and nourish new talent. HYLC 16 was organized at KCG from the 12 to 14 Feb 2016. In keeping with its reputation for arranging outstanding guest speakers, this year too, the inaugural session of HYLC was graced by the august presence of Chief Guest Rear Admiral S. Ramsagar and the Guest of Honour was Dr. W. Lawrence S. Prabhakar. Air Marshal S. Sukumar (Retd), PVSM, AVSM, VM was the Chief Guest for the Valedictory function. HYLC 16 simulated three UN bodies - the UNGA, UNSC, UNHRC, and the Bilderberg Conference which has become the trademark HYLC council. There were three days of intense and informed debate, deliberation and writing as students assumed the roles of international diplomacy and played out situations of world politics.



The Hindustan Young Leaders' Conference (HYLC) organized by KCG College of Technology

## NATIONAL SCIENCE DAY 2016

National Science Day – 2016 was celebrated on 7 March'16. The programme was inaugurated by Dr.C.V.Brahmananda Rao, Scientist F, IGCAR, Kalpakkam. As a part of it various competitions like Paper Presentation, Quiz, Extempore and Essay Writing were also conducted.



National Science Day – 2016 was celebrated on 7<sup>th</sup> March'16

## BOOK FEST'16

The World Book Day is celebrated on April 23, 2016 and since it fell outside the academic working days, the book day was celebrated from March 7 to 8, 2016. A number of activities like quiz, dramatized reading from books, and enactment of favourite characters were held during these days. Books were also collected from many for distribution to students of the local Government Higher Secondary School to motivate the students there to cultivate the habit of reading.

On 10 March'16, a panel discussion on "Reading: Is it a Dying Habit?" saw some passionate discussion among the panel members as well as the audience. The Chief Guest, Mr. Naresh.R, CEO of Multistory Learning Pvt. Ltd and founder of Book Lovers Programme for Schools, addressed the students on how he and his partner, both IIT Madras graduates, began on their journey to inspire children to develop reading habit.

## VODAFONE RED - AACHI THE SING THE SEASON 2015

KCG staff team and students team rocked the Aachi Sing the Season and got into the finals of Vodafone RED, an Inter-corporate Cultural Festival held on 13 December 2016 at NIFT Auditorium, Taramani. KCG Student's Team was placed as the Overall Best English Choir and won 3rd prize in the college category.



Aachi Sing the Season 2015





## CULTURAL DAY 2016

Cultural Day 2016 was celebrated on 2 April 2016 and Mr. Ma Ka Pa Anand, TV anchor and actor Tamil Cinema, was the chief guest. KCG students exhibited their talent in dancing and singing. Winners of Group Dance, Solo Dance, Group Singing, Solo Singing, Adzap were awarded and a Special dance performance choreographed by Spring Boots, Chennai, was exhibited by KCG Dance team.



Cultural Day 2016 was celebrated on 2 April'16



## PAPER PRESENTATIONS IN CONFERENCES BY STAFF

Sixty papers have been presented by KCG staff from various engineering departments and Science Humanities department across the state. Of this **Dr. Ramesh** of Mechanical Department received best presenter award for his paper titled Temperature Measurement and Optimization in Machining Magnesium Alloy Using RSM and ANOVA in the 2nd International Conference on Computational Methods in Engineering and Health Sciences 2015 (ICCMHEH 2015) organized at University Putra Malaysia in December 2015.

**Mr. J.Arun Venkatesh, Mr. Rajesh S, Mr. Balaji (EEE)** presented a paper titled An Inductorless DC

## PAPERS PRESENTED BY STUDENTS

Fifty five students from various departments presented papers at conferences conducted at other Engineering colleges and conferences conducted in house. The students' interest in research has brought laurels to our institution. Mr.Balasurya and Mr.Vinayak Kishore (IV MECH) won 1st Prize with a cash award of Rs. 5,000 for their paper titled Reduction of Water Wastage in RO Water Purifier in Biofest-2016, organized by IITM in March 2016.

Ms. Nikitha Shyamsundar and T. Tamizhi (S&H) won 2nd Prize for their paper titled Emerging Trends in Nanotechnology for Sustainable Development in the 16th State Level Symposium on Humanities & Applied Sciences organized at Sai Ram College of Engineering in March 2016

## STAFF AND STUDENT PUBLICATIONS

NAME OF STAFF	TITLE OF PAPER	NAME OF JOURNAL
Mr. K.K.Nithiyanantham Mr. Mohan Kumar. M	Design & Development of Co-axial Rotorcraft (Fly Ball)	Australian Journal of Basic and Applied Sciences
Mr. Shyam Narayanan.S	Experimental Study of Single and Multi Winglets	Advances and Applications in Fluid Mechanics
Mr. Deepak. R Ms. P.Hari Narayane	Durability Studies on High Strength Self Compacting Concrete (Scc)	International Journal of Advances in Engineering Research
Mr. Praveen Joe. I. R	A Model for Personalized Web Service Selection and Clustering Using Bacterial Foraging Algorithm	International Journal of Applied Engineering Research
Mr. Deepak. R Ms. P.Hari Narayane	Flexural Behaviour of Hybrid Fibre Reinforced Concrete Beams Under Cyclic loading	International Journal of Advances in Engineering Research
Ms.F.S.Frieda	An Experimental Study on Properties of Pervious Concrete	International Journal of Advances in Engineering Research
Ms.P. Hari Narayane Mr.T.James Kevin Christie Mr. R. Mahesh Mr. K.Gokul Krishna	Automated Moisture Control for Curing Using Sensors	International Journal of Advances in Engineering Research
Mr. Sakthivel. M Mr.Krishna Kumar.P	Analytical Study on Behaviour of Concrete Structural Elements Subjected to Impact Loading	International Journal of Advances in Engineering Research
Mr. V.M.G. Chenthil Kumar	Reuse of Cast Iron Swarf Powder as a Partial Replacement of Fine Aggregate in Concrete	International Journal of Advances in Engineering Research
Dr. M. Krishnamurthy	A Comparative Analysis of Routing Protocols for WSNs with Mobile Sink	International Journal of Engineering and Management Research
	Efficient Mechanisms for Data Gathering in Wireless Sensor Networks by Mobile Collectors	International Journal of Engineering and Management Research
	Multilevel Priority Based Packet Scheduling Scheme for Wireless Sensor Networks	International Journal of Engineering and Management Research
	Extracting the User's Interests by Using Web Log Data Based on Web Usage Mining	Journal of Computational and Theoretical Nanoscience
	Efficient Hierarchical Data Aggregation in WSN with Mobile Sink	Journal of Computational and Theoretical Nanoscience
	An Effective and Customized Itinerary Planning System using Association Rule Mining Technique with Personalized Points of Interest	Circuits and Systems Journal
Mr. Praveen Joe. I. R	A Model for Personalized Web Service Selection and Clustering Using Bacterial Foraging Algorithm	International Journal of Applied Engineering Research
	A Two Phase Approach for Web Services Clustering	Advances in Intelligent Systems and Computing (Springer)
Dr.Dhanalakshmi. R	Privacy Protection for Transmission of Medical Data through Wireless Network	International Journal of Control Theory and Applications
	Automatic Detection of Pulmonary Nodules and Juxta Pleural Nodules in CT ,	Asian Journal of Information Technology
	Circuits and Systems	

NAME OF STAFF	TITLE OF PAPER	NAME OF JOURNAL
Mr. Prabakeran. S	Efficient and Secure Data Sharing Using AES and Diffie Hellman Key Exchange Algorithm in Cloud	Middle East Journal of Scientific Research
Dr. Deepa Jose	Content Addressable Memory Using Automatic Charge Balancing With Self Control Mechanism And Master –Slave Match Line Design	Scientific Research
Ms.D. Yamuna	Design and Implementation of Lifting Based Two Dimensional Discrete Wavelet Transform	International Journal of Application for Innovation in Engineering and Management (IJAEM)
Ms.T. Pranisha	Area Efficient Cordic FFT Using Error Correction Codes and Parseval Checks For Odom Systems	ARNP Journal of Engineering
Dr.P.DeivaSundari Ms. J .Agnus Jenith	Implementation of Multiple Input Multiple Output Switched Capacitor Resonant DC-DC Converter using Double, Half and Inverting Circuits	IEEE Explorer
Mr.J.Arun Venkatesh	Voltage Sag Compensation in Stand Alone Power System Using SRF Theory	International Journal of Applied Engineering Research
Mr.J.Arun Venkatesh	A Grid Connected Solar Energy System Using LQR based P&O MPPT Algorithm	International Journal of Applied Engineering Research
Ms.Divya Barathi .M Ms.Fameedha. S Ms. Bhavani . S	Mobile Data Gathering with Load Balanced Clustering and Dual Data Uploading in Wireless Sensor Networks	International Journal of Science Technology and Engineering
Mr. Deepak. N Mr. Sandeep. G Mr. Arunkumar. S	A Secured Authorized Data Deduplication in Cloud Using Hash Based Message Authentication Code	International Journal of Science Technology and Engineering
Mr. Tenu Anand. K Mr. Sriram .N Mr. Venkat. S	Smart Mobile Application Calling for Visual Impaired People Using Gestures	International Journal of Science, Technology and Engineering
Ms. Gayathri .R Ms.Kanaka. S	Enhancing Data Aggregation Technique for Wireless Sensor Networks	International Journal of Science Technology and Engineering
Mr. Logesh. S Mr. Mohana Vigneshwar Mr. Kalaiyarasan. R	Travel Safe	International Journal of Science Technology and Engineering
Ms. S. Sangeetha Ms. Sayyeda Nashiah Nousheen Ms. Devi. P. N	Coalescing Algorithm and CLS Method For Improving Underwater Sensor Networks	International Journal of Science Technology and Engineering
Ms. S. Subbulakshmi Mr. Vignesh .S Mr. Yogeshraj .M, Mr. Sibi. S	Personalised Image Search On Web Repository Using Partitioning Clustering Algorithm	International Journal of Science Technology and Engineering
Ms. Adeline Freeda Ms. Priya Dharshini Ms. Sudha. T, Ms. Usha .G	Implementation of Adaptive DBSCAN for Cluster Analysis	International Journal of Science Technology and Engineering
Mr. Srinivasan.S	Ensuring Cloud Security and Privacy Through Enhanced Merkle Hash Tree Method Using Bat Mechanism	Australian Journal of Basic and Applied Sciences (AJBAS) Volume 10, Issue Number 1
Dr. Ramesh. S	A Study on the Reasons Behind Employee Attrition in Technical Institutes and HR Strategies to Retain the Talents	Shanlax International Journal of Management
Mr.S. Balaguru	Measurement of the Residual Stresses and Investigation of their Effects on a Hard faced Grid Plate Due to Thermal Cycling in a Pool Type Sodium – Cooled Fast Reactor.	Science and Technology of Nuclear Installations



NAME OF STAFF	TITLE OF PAPER	NAME OF JOURNAL
Dr. Revathy Ravichandran	Comics as a Resource for ELT Educators	International Journal of English Studies (Elsevier)
	Emotional Intelligence and the Empathetic Educator	International Journal of management, Information Technology and Engineering
	Want a Guaranteed Visa to Workplace? Literature Shows the Way.	In the Book: From Theory to the Practice of Literature. (Mainspringer)
Ms.M.GeethaLakshmi Dr. Kanimozhiraman	Trident Ranking Using Fuzzy Numbers	Global Journal of Pure and Applied Mathematics
	Fuzzy Trident Distance Using Fuzzy Numbers	Global Journal of Pure and Applied Mathematics
Ms. M.GeethaLakshmi	Sub-Trident Form Through Fuzzy Sub-Triangular Form	International Journal of Engineering Sciences and Research Technology,
Ms. N.Jose Parvin Praveena	A Fuzzy Analysis of Happiness Through Religious People by Using Triangular Fuzzy Cognitive Maps	Global Journal of Pure and Applied Mathematics
Ms Bhuvaneswari	Effect of L-threonine on TTZS Crystal	International Journal of Chemtech Research
Ms.S.Tamilselvi	Global Warming and Disaster Management	International Journal of Science, Technology and Engineering
Dr. R. Gladwin Pradeep	Order Preserving Contact Transformations and Dynamical Symmetries of Scalar and Coupled Riccati and Abel Chains	Communications in Nonlinear Science and Numerical Simulation
Dr.Nalini Jayanthi	Micro Hardness Studies of NLO Active Material	Materials Today (Elsevier)

## FROM KCG NCC CAMP

### SPECIAL ACHIEVEMENT

- Arvind Yogesh (IV ECE) has cleared the SSB interview and will join the Indian Army as Lieutenant in July 2016.

## NATIONAL ACHIEVEMENT

- Selva Kumar (IV AERO) represented Tamil Nadu, Pondicherry and Andaman Directorate Football team in the NCC National Games 2015 held at New Delhi. He was the Vice Captain of the team.

## INTER-COLLEGE COMPETITIONS

- KCG NCC company won the 1st Place in NIAP-National Integration Awareness Program held at Tamil Nadu Ambedkar Law University.
- Yuvraj (IV AERO) won the Best Camp Senior at Army Attachment Camp held at Secunderabad.
- Adityan (IV CSE) won the Best MC at Army Attachment Camp held at Secunderabad.
- Prabhu (III AERO) won in the Debate competition held at Tamil Nadu Ambedkar Law University.
- Joseph George (II MECH) won the Silver Medal in Best Cadet in Inter College NCC Fest held at Tamil Nadu

## SOCIAL ACTIVITIES

- Anti-Ragging Rally was organized by KCG NCC company in Karapakkam.
- KCG NCC company conducted Dengue Awareness and Cleaning Campaign in Karapakkam on 22 Dec 2015.
- KCG NCC company conducted Campus Cleanup Program to clean the campus ravaged by floods on 23 Dec 2015.
- Motivation Session was arranged for NCC cadets on 16 Feb'16. The two guest speakers were CSUO Rishabh Sharma, SRM University, who has represented Tamil Nadu in Republic Day Camp (RDC)-2015 and represented India in Bangladesh under Youth Exchange Program (YEP) and CSM Asha. P, Women's Christian College, who has represented Tamil Nadu in Thal Sainik Camp (TSC)-2014 and various other All India Shooting Camps.



## SPORTS ACHIEVEMENTS

Manoj Baskar (Iv Eee) Is To Represent India In Rio Paralympic Games-2016 to Be Held In Brazil In Sept'16.

Manoj Baskar (IV EEE) represented India and won the GOLD medal in 200m event at the Paralympic World Games in Oct 2015 at Russia, the GOLD medal in 200m event and SILVER medal in 100m event at IPC Asian Oceania Championship in March'16 held at Dubai and has qualified in 200mts & 400mts event in class T/44 in the "RIO PARALYMPIC GAMES-2016" and will be representing India in the event to be held in Brazil in Sept'

## ZONAL ACHIEVEMENTS

M.Pragadeshwaran (I ECE) has been selected to represent Anna University in South Zone Inter University Handball Men Tournament.

M.Priyadharshini (III CSE) has been selected to represent Anna University in South Zone Inter University JUDO Competition.



# STATE LEVEL ACHIEVEMENTS

## KCG Volleyball Team (Men)

RUNNERS in ANNA FEST-2016 Tournament held from 12 to 14 Feb 2016 at Anna University, Chennai.

RUNNERS in SAVEETHA TROPHY-2016 Tournament held on 26 & 27 Feb 2016 at Saveetha Engineering College, Chennai.

RUNNERS in SAIRAM TROPHY-2016 Tournament held on 4 & 5 Mar 2016 at Sairam Engineering College, Chennai.

WINNERS in DHANALAKSHMI-HDFC TROPHY-2016 Tournament held from 9 to 12 March 2016 at Dhanalakshmi Engineering College, Chennai.

- KCG Throwball Team (Women) won SAIRAM TROPHY-2016 Tournament held on 4 & 5 March 2016 at Sairam Engineering College, Chennai.
- KCG Handball Men Team secured 3rd Place in ANNA FEST-2016 held from 12 to 14 Feb 2016 at Anna University, Chennai.
- KCG Football and Tennis Men team won the 3rd Place in SAVEETHA TROPHY-2016 held on 26 & 27 Feb 2016 at Saveetha Engineering College, Chennai.

## ANNUAL SPORTS MEET 2016

Annual Sports Meet 2016 was organized on 1st April 2016 and the Overall Championship was won by Green House and Yellow House won the Overall Runners Trophy

## Individual Championship

Men -YUVARAJ (III MCA) & MICHAEL ROSHAN RAJKUMAR ( II MECH)

Women- REMINA.P (I CSE)

