

**KCG COLLEGE OF TECHNOLOGY**  
KARAPAKKAM, CHENNAI 600 097

18<sup>th</sup> College Day – 02.04.2016

ANNUAL REPORT FOR THE ACADEMIC YEAR 2015-2016

Good morning and a warm welcome to you all.

Today, the eighteenth annual day of our college, is a great day for all of us gathered here. It is a day for us to recall the noble vision of our founder of Dr KCG Verghese and celebrate our achievements in the field of education.

On this occasion, I am privileged and honoured to welcome our chief guest Mr Viswanathan Venkat, Head-Engineering Campus Hiring, Wipro Technologies Ltd, for honouring us by accepting our invitation to be the Chief Guest of our 18<sup>th</sup> College Day celebrations. I express my sincere gratitude to the chief guest for spending the day with us and making it a memorable day in the history of KCG College of Technology.

I wholeheartedly welcome our Chairperson Dr Elizabeth Verghese, CEO Dr Anand Jacob Verghese, Director Dr Annie Jacob and other members of the Management and guests.

I extend my welcome to Deans, HODs, teaching and non-teaching members and students.

On this wonderful day, when we have gathered here to acknowledge and celebrate the contributions of all achievers, I deem it an honour to present our 18th College Day report.

### **Our View of Education**

KCG College of Technology, living up to the noble vision of its founder Dr KCG Verghese, strongly believes in the concept of holistic education and strives to achieve its goal of preparing students to meet the challenges the twenty-first century poses. We prepare our students not only for academic success but also for life by teaching them life skills through numerous co-curricular and extra-curricular activities.

### **Research Centres & ISO Recertification**

KCG College of Technology, established in 1998 as National Institute of Technology by our beloved founder Dr KCG Verghese, now offers 8 under-graduate and 7 post-graduate programmes and four of our departments serve as Anna University approved research centres for Ph.D programs.

During the academic year 2015-16, the Management System Re-certification assessment was conducted on 12<sup>th</sup> & 13<sup>th</sup> November 2015 for the renewal process and the recertification assessment visit was a success and KCG College of Technology was ISO 9001:2008 certified till 2016.

## **Academic performance of our students**

The number of Anna University rank achievers is on the rise every year. The 2011 – 2015 batch under-graduate students and 2013-2015 batch post-graduate students of our college secured **30 Anna University ranks**. Here are the details:

- 1) Department of Aeronautical Engineering : 5 ranks including 3<sup>rd</sup> and 9<sup>th</sup> rank
- 2) Department of Computer Science & Engineering: 6 ranks
- 3) Department of Information Technology: 4 ranks
- 4) Department of Electrical and Electronics Engineering: 2 ranks
- 5) Department of Electronics and Communication Engineering: 1 rank
- 6) Post-Graduate Departments: 12 ranks

I wholeheartedly congratulate all the rank-holders who have brought laurels to the institute. My special congratulations to Preetam Sharma and P Divya of the Department of Aeronautical Engineering, who secured 3<sup>rd</sup> and 9<sup>th</sup> rank respectively.

## **Research activities**

The Research Forum of our college organized many events including guest lectures and workshops during the academic year. Dr.P.Jayavel Director (Research), Anna University, Dr. Ilavazhagan, the Research Director of Hindustan University, and Dr.Vitawat Sittakul, Professor, King Mongkuts University, were the resource persons for different sessions on research related topics.

Many research proposals have been submitted by our faculty to various agencies. Faculty who have submitted their research proposals include Dr Andal, Dr.Lakshmiathy, Professor Rajapaul, Mr.Jose Anand, and Dr.R.Senthil.

## **Funded Projects**

Almost all departments of our college are carrying out projects funded by various agencies. Here are some highlights:

- The department of Mechanical Engineering has received Rs. 8.5 lakh from AICTE as funding under Research Promotion Scheme for “Numerical & Experimental Investigation of Co-extrusion of Aluminium – Copper Composite”.
- The e-cell receives Rs 8 lakh per annum from the Department of Science and Technology under “Innovation and Entrepreneurship Development Scheme” to support innovative projects by students and build an entrepreneurship ecosystem.
- The Department of Aeronautical Engineering has been sanctioned Rs.9.8 lakh by DRDL as funding for research in base drag reduction studies by CFD and experimentation at low speeds.
- The Department of Electrical and Electronics Engineering has been given Rs.9.5 lakh by CVRDE for the Project "Modeling & Simulation of NBC inlet Valve Operations for Arjun MBT MK -1".

## **Conferences / Seminars / Workshops organized by various departments**

Our college values continuing education and constantly encourages the departments to organize conferences, seminars and workshops. Thus it creates opportunities to the faculty to develop themselves professionally and also to disseminate knowledge. A number of conferences and workshops were organized by various departments during the academic year.

The department of EEE organized an **International Conference on Intelligent Computing and Applications (ICICA 2015)** on 5-6 February 2016. The conference was inaugurated by Mr Pashupathy Gopalan, President SunEdison – Asia Pacific.

The departments of IT and CSE organized a national conference on “**Advanced Computing Technologies**” on 17<sup>th</sup> October 2015.

The department of S&H organized a national conference on “**Fuzzy Theory and Applications (NCFTA)**” on 24& 25 July 2015.

Besides conferences, a number of symposia, seminars, workshops, guest lectures and faculty development programmes were organized by departments.

## **Professional Development**

KCG College of Technology gives importance to the professional development of our faculty by encouraging them to attend faculty development programmes, to present papers in conferences and to publish their research papers in journals.

### **i) Faculty Development Program on NBA**

The Principal, **Dr T. Rengaraja**, conducted a series of sessions on NBA and Outcome-based Education to the faculty of our college during January and February 2016. The faculty was trained to apply Bloom's taxonomy and design questions that aim to develop students' higher order thinking skills.

### **ii) Papers presented and published by the faculty during 2015-2016**

I take pleasure in informing you that our faculty presented 135 papers at various international and national conferences and published 116 research papers in international and national journals. Here are the details of the papers published.

### **iii) Faculty as reviewers / resource persons**

Some of our faculty have proven their worth by being as resource persons in different professional development events. **Dr. M Krishnamurthy**, Professor – CSE, **Dr.R.Dhanalakshmi**, Professor-CSE, **Mr Jose Anand**, Associate Professor-ECE, **Dr. Deepa Jose**, Associate Professor-ECE, **Dr.R.Senthil**, Professor-E&I, **Dr.J.Frank Vijay**, Professor-IT, **Dr S Ramesh**, Professor-Mechanical, and **Dr Albert P'Rayan**, Professor-S&H, serve as reviewers and editorial board members of international journals of various disciplines.

Some of our faculty were invited by other educational institutions to be resource persons at conferences, seminars, workshops, and other events. Some of them were invited to deliver keynote addresses, guest lectures and conduct faculty development programmes.

### **iv) Major achievements of our faculty**

Walking an extra mile is the habit of successful people. Besides carrying out the regular work assigned to them, some of our faculty have walked extra miles and I would like to congratulate Dr P. Sivaramakrishna Das, Mr Jose Anand and Ms R. Gayathri on their success as authors of books. Dr Albert P'Rayan *has* been contributing a weekly column "English Blues" to *Edex*, a Higher Education Supplement with the *New Indian Express* since 2006. In April this year, he completes 10 years as a columnist. He also published 9 lead articles in *The Hindu Education Plus* recently.

## **Patents**

- Dr.P.Deiva Sundari, HoD-EEE has applied for patent titled “Emergion” and K.G.Maheswaran [mech] has received the patents titled “Fridge With Food Heater” , “Sterling Electric Chulha “.

### **a) Awards and Scholarships**

- Dr.P.Deiva Sundari, HoD-EEE won the Confederation Of Education Excellence Teacher’s Award 2015. She also won the Best Researcher Award by ASDF Global Awards 2015 from Association of Scientists, Developers and Faculties for the Best Researcher award.
- Dr S. Ramesh, HoD, Mech, and won the Best Paper Presenter Award at the 2nd International Conference on Computational Methods in Engineering and Health Sciences 2015 on 19-20th Dec 2015 at Universiti Putra, Malaysia.
- The others who have received Best Paper Presenter awards are Dr G S Kumarasamy, HoD, ME –ED, and Mr S Srinivasan, Department of MCA.

## **Important Events**

Our college organized many events during the academic year 2015-2016. Here are details of some important events:

### **Ingenious 2015**

Our college, in collaboration with Times of India conducted Ingenious 2015, an inter-school competition, on 30<sup>th</sup> October 2015. The event provided young students from various schools of Chennai to exhibit their talents.

### **Constitution Day**

Our college organized a one-day conference on Indian Constitution 28 November 2015. Justice P Jyothimani, Judicial Member, National Green Tribunal, inaugurated the conference. The conference attracted over 250 academics and teachers from different educational institutions in Chennai.

### **Hindustan Young Leaders Conference (HYLC)**

The annual Hindustan Young Leaders’ Conference (HYLC) was held from the 12-14 February 2016. Over the years, since HYLC hosted its first edition, it has gained a formidable reputation in terms of intense and informed debate and providing a platform for the fostering of new talent.

## **Book Fest**

For the first time, Book Fest was celebrated from 7-10 March 2016. A number of activities like quiz, dramatized reading from books, enactment of favourite characters were held during these days.

## **Activities of various cells and clubs**

### **Placement Cell**

The placement for the academic year started at our college on 1<sup>st</sup> September 2015. So far, 262 students have been placed and the major companies that have recruited our students include Infosys, iGate, Polaris, Happiest Minds, Kaar Technologies, Virtusa, Tychon, Assystem, Barry Wehmiller International, Sanmar, Data patterns, CADeploy, EmbedUR, TATA Communications and Unitech Traster. The highest package of 24 lakh rupees per annum has been offered to Ms Saranya of IT department by the German company Unitech Transter. I congratulate all our students who have been placed with various companies.

### **Training Cell**

The training cell of our college organized various training programs for our students in the academic year. A 5-day residential pre-placement training program was conducted for all pre-final year students before the start of the seventh semester in two batches between June 15 and June 27, 2015.

The other training programs include preparation for Cambridge exams for first-year students, soft skills training for second-year students, and aptitude training for third-year students.

### **Higher Education Cell**

The Higher Education Cell organized many presentations on higher education abroad. Experts from **IDP-Australia**, **British Council**, **ThinkPoland**, a European Union Innovative Economy Program, **EducationUSA**, made presentations on how prospective students should prepare themselves for higher education. **Mr Mathew Carney**, Vice Consul, US Consulate, conducted a session on visa process. Our students also attended various education fairs and seminars on higher education held in Chennai.

Based on the interest shown by students of our college **Civil Services Aspirants Club** was started recently.

### **KCG Technology Business Incubator**

The KCG Technology Business Incubator (KCGTBI) promotes and supports technical startups of our students by fostering their entrepreneurial spirit and motivating them to create technology-based new enterprises. Currently, KCGTBI supports 5 incubates and has plans to

support many more incubates in the future. The TBI centre has applied for funds to MSME and DST.

### **Toast Masters Club**

The KCG Toast Masters Club that has conducted over 150 meetings has been one of the most active Toast Master clubs in the region. The club was awarded the prestigious Golden Gravel Plus by Toast Master International at Ovarions 2015 held in Colombo, Sri Lanka and TM Vijey Subash received the award on behalf of the club.

### **Culturals Club**

Students and faculty of our college participated in various cultural events in the academic year 2015–16. The faculty of KCG College of Technology took part in the Vodafone RED 2015 Inter-collegiate Cultural competitions held in Chennai. Students participated actively in various inter-collegiate cultural events. The college choir participated in the Prestigious Aachi sing the season 2015 and won third place in college category and the best English choir in open category.

### **KCG IET**

Our college, in association with IET Chennai Chapter, conducted an in-house project competition to select best final year project from each department. The event named IET Project Challenge 2016 provided a platform for the final-year students to exhibit their projects and gain an industrial exposure by having their projects judged by a panel of experts from the research and development field.

### **EFY KCG Tech Center**

Our College has launched a technical training center called EFY KCG Tech Centre in collaboration with *Electronics For You*, a popular technical magazine. The MOU between our college and EFY Enterprises, the publisher of the magazine, was signed by our CEO on 23 Aug 2015.

EFY KCG Tech Center is offering various training program including Arduino, Raspberry Pi, Embedded System, PIC Microcontroller, ARM Processor, VLSI Design, PCB Design and many more useful and industry oriented programs.

### **KCG Robotics Club**

KCG College of Technology is a member of e-Yantra and has set up a state of the art laboratory under the e-Yantra Lab Set-up Initiative (eLSI). The KCG e-Yantra Robotics Lab trains students in embedded systems and micro-controller programming by engaging them through the Project Based Learning (PBL) mode.

The KCG e-Yantra Robotics Lab offers a Certificate Course in Robotics & Embedded Systems. The course is of 18 hours duration (3 days). A total of 118 students have been trained and have now been inducted into the KCG Robotics Club.

### **Department of Physical Education**

Our college is one of the few engineering colleges that give importance to sports and encourage our sportspersons to take part in various competitions. Our volleyball, football and tennis teams participated in various state-level competitions and emerged winners.

Our final-year E&I student **Manoj Baskar** represented **India** and won the **gold medal** in 200m event at the **Paralympic World Games** held in **Russia** in October 2015. He also won the **gold** medal in 200m event and the **silver** medal in 100m event at **IPC Asian Oceania Championship** held in **Dubai** in March 2016. My hearty congratulations to Manoj Baskar!

Our first-year ECE student **M. Pragadeshwaran** represented **Anna University** in **South Zone Inter University Men's Handball Tournament** held at Alagappa University, Karaikudi. Our third-year CSE student **M.Priyadharshini**, represented **Anna University** in **South Zone Inter University Judo Competition**.

### **National Cadet Corps (NCC)**

The KCG NCC company of our college has been quite active for many years. It adds feathers to its cap every year. Here are the highlights of some special achievements of our cadets:

**ArvindYogesh** of ECE final year has cleared the SSB interview and will join the Indian Army as Lieutenant in July 2016.

**Selva Kumar** of Aeronautical final year represented Tamilnadu, Pondicherry and Andaman Directorate football team in the NCC National Games 2015 held in New Delhi. He was the Vice Captain of the team.

### **National Service Scheme (NSS)**

The KCG NSS Unit has been a vibrant and active unit ever since it was started. The unit organized many programmes including International Yoga Day, Swachh Bharat Abhiyan, Helmet Awareness Programme, Blood Donation Camp, Youth Awakening Day, Flood Relief Camp, etc. When and its suburbs were pounded with heavy rainfall in December 2015, a team of KCG volunteers actively involved themselves in the relief activity.

### **Literary Clubs**

The English and Tamil literary clubs have helped the students improve their literary and speaking skills by conducting competitions in extempore, debate, storytelling, etc. The members of the club took part in various competitions and brought laurel to the institute.



## **Student Achievers**

Our college encourages students to take part in various competitions and exhibit their talents. Many of our students have brought laurels to the institute by emerging winners. I would like to highlight the achievements a few students.

Ayush R, a 3<sup>rd</sup>-year student of Information Technology won the "Talk your way to Japan" Speech contest conducted by ABK- AOTS, Japan and was awarded an all expenses paid two-week trip to Japan.

A3-member team Ashik Mohammed, Jabir Mohammed and Kamesh Kumar under the guidance of Mr K.G.Maheswaran, Associate Professor, Department of Mechanical Engineering, won the second prize (Rs 1 lakh and a certificate of merit) for their innovative product titled "Chulha Stirling Engine" in the *Engineer Infinite* competition.

## **Last Word**

Today, on the 18<sup>th</sup> College Day, when we celebrate our achievements let us rejoice but not rest on our laurels. We need to reach many more milestones in the days to come to achieve our vision and mission. It was Albert Einstein who said, "*Only one who devotes himself to a cause with his whole strength and soul can be a true master. For this reason mastery demands all of a person.*" Let us work together with our whole strength and soul and become real masters and bring glory to our institute.

Once again, I thank our Chief Guest, Mr Viswanathan Venkat, for his presence and all the members of the Management for their constant support.

I close my annual report with the words of our founder Dr KCG Verghese: Make Every Man a Success and No Man a Failure.

***Dr T Rengaraja***

***Principal***

***KCG College of Technology***

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