

KCG COLLEGE OF TECHNOLOGY

KARAPAKKAM, CHENNAI 600 097

ANNUAL REPORT FOR THE ACADEMIC YEAR 2014-2015

Seventeenth College Day

Good morning and a warm welcome to you all.

Today, the seventeenth 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 Dr KCG Verghese and celebrate our achievements in the field of education.

On this festive occasion, I am privileged and honoured to welcome our chief guest Shri. Srinivas Kota, Chief Scientist, CSIO, (Central Scientific Instruments Organization), for honouring us by accepting our invitation to be the Chief Guest of our 17th College day celebrations. I express my sincere gratitude to him 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 Verghese, Director Dr Annie Jacob, and other members of the Management.

I extend my welcome to the Vice-Principal, 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 17th 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 believe it is important to provide education that focuses on the overall development of human personality. Guided by this principle, 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.

Accreditation

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 PhD programs. Mechanical Engineering, Electrical and Electronics Engineering, Computer

Science Engineering, Electronics and Communication Engineering departments of this college have been accredited by the National Board of Accreditation (NBA). The process of getting accreditation for other departments has been initiated.

The ISO certification team conducted their assessment on 28th November 2014 for the renewal process and our college was ISO 9001:2008 certified till 2015.

Achievements in 2014-2015

The academic year 2014-2015 has been a successful year for us in terms of academic achievements and new initiatives. Our commitment to achieving excellence in technical education and producing responsible citizens and progressive leaders has always been strong and our journey towards excellence in academic performance, teaching, research, innovation, co-curricular and extra-curricular activities and service-oriented outreach has been remarkable.

This report is a brief version of a longer report and it highlights only salient features of what we have achieved during the academic year 2014-2015.

MoUs Signed:

With the objectives of enhancing interaction between industries and the institute and facilitating exposure of industrial atmosphere to our students, engineering departments of our college have signed MOUS with various organizations. This academic year MOUs with the following organizations were signed:

1. Hitachi Automotives Systems (India) Pvt Ltd
2. Steinbeis Solar Research Centre
3. IEEE CS Registered Education Provider, India (Purna Career Solutions Pvt Ltd)
4. TREND Automation Pvt Ltd
5. Sukra Helitek Inc Chennai India (A subsidiary of Sukra Helitek Inc USA)

Academic Achievements:

The number of students securing Anna University ranks rose to 37 for the 2010-2014 batch of BE and B.Tech. and the 2012-2014 batch of ME students.

- The Department of Aeronautical Engineering came off with flying colours by securing five among the top 20 ranks: 5th, 6th, 11th, 17th and 19th positions.
- The department of CSE bagged 13 university awards including 6 by ME Computer Science and Engineering students.
- The department of Mechanical engineering secured 6 university awards including 3 by ME Engineering Design students.

- The departments of ECE bagged 9 university awards including 6 by ME VLSI and ME Communication System students.
- The department of MCA secured 2 university awards and the other departments, EEE and IT bagged one university award each.

I congratulate all the rank holders for their stupendous performance and respective departments for their great achievements.

Research and Professional Development Activities

Research & Development Cell

Our college has a vibrant and productive research and development cell. The research forum activities for the academic year 2014-2015 were inaugurated by Dr.Kalanidhi Former Vice Chancellor Anna University and Emeritus Professor Dr. G Krishnamoorthy, San Diego State University, San Diego, CA USA.

Various **Centres for excellence** have been formed to improve research activities. Currently we have **20 research groups** and research group meeting is conducted every month.

Funded Projects

Following are the ongoing funded projects in our college:

- Mechanical Engineering department received Rs 8.5 lakhs from AICTE as funding under Research Promotion Scheme for ‘Numerical & Experimental Investigation of co-extrusion of Aluminium – Copper Composite’.
- Department of Science and Technology (DST) funds five student projects to the tune of 1 lakh / project.
- Department of Tamil Nadu State Council for Science and Technology (TANSCST) has sanctioned Rs1.6 Lakhs for Computer Science Department for Brain imaging techniques.
- Aeronautical Engineering Department was sanctioned Rs 9.8 (Lakhs) from DRDL as funding for research in the topic Base Drag Reduction Studies by CFD and experiment at Low speeds.
- Electronics and Instrumentation Department was sanctioned Rs50000 from IE(I) as funding for research in smart irrigation system
- Electrical and Electronics Engineering Department was sanctioned Rs 6 lakhs from Hitachi as funding for Induction based Car Battery charger

Research Centres

The Departments of Computer Science and Engineering, Electronics and Communication Engineering and the Physics Division of the Department of Science & Humanities have been given the approval of Anna University, Chennai, to be classified as recognized **Research Centres**.

Faculty Professional Development Activities

Our college encourages the faculty develop themselves professionally. We provide support to our faculty to take part in all professional development activities by attending conferences, presenting papers, and publishing their research work in reputed international and national journals.

Papers published and presented by the faculty during 2014-2015

I take pleasure in informing the august gathering that the academic year saw a rise in the number of research papers presented in various conferences and published in international and national journals.

A total of 79 research papers were published by our faculty in international and national journals.

Over a hundred research papers were presented by our faculty at various international and national conferences.

Faculty as resource persons

Many of our faculty have proven their worth by being resource persons in different professional development events. A few of our faculty have a distinction of being reviewers and editorial board members of international journals of various disciplines.

Conferences / Seminars / Workshops / Symposia 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.

All the engineering departments organized symposia in February 2015. The symposia, which attracted hundreds of students from various engineering colleges, served as a platform for our students to develop their organizational and leadership skills.

PhD awarded

Eight of our faculty received their PhD degree this academic year and they are:

1. Mr Supradeepan K, Asso.Professor – Aero
2. Mr Asad Ahmed R, Asso.Professor – Aero
3. Mr Bharanidharan R, Asso. Professor – Mech.
4. Ms Jessie K, Asst. Professor – Mech.
5. Mr Murugan R, Asso.Professor – EEE
6. Mr Amos H Jeeva Oli, Asso.Professor – ECE
7. Mr Lakshmiopathy R, Asst. Professor – S&H – Chemistry
8. Mr Sivaramakrishna Das P, Professor – S&H

I offer my hearty congratulations to them all for their great academic achievement.

Achievements by students

Our students took part in various inter-collegiate competitions in paper / project presentations, elocution, quiz, and cultural events and won prizes. I would like to mention two students who made us proud by their remarkable achievements. **Delvin Hester** of the department of mechanical engineering won the first prize in the intercollegiate speech contest “Talk your way to Japan” and amde a trip to Japan. **Esther Monisha**, of the department of Information Technology bagged the SpellBee International Grand Master title and was awarded a cash prize of Rs 1 lakh. Congratulations to all the winners.

Activities of various cells and clubs

i-cell & e-cell

The members of i-cell and e-cell actively participated in many events and paper / project presentation competitions during the academic year. They also won prizes in various events.

Our e-cell won the second place in the e-week awards 2015-by NEN in appreciation of the extraordinary work in building support for engaging young minds to develop future entrepreneurs. We entered the final round at ‘Entrepreneurship Education Conclave’ conducted by NEN in association with British Council.

The fourth IEDC Advisory committee meeting was conducted at KCG College of Technology on 27 September 2014. The members reviewed the projects completed in the year 2013-14 and selected the projects to be completed in the year 2014-15.

Placement Cell

Campus Placements for 2011 - 2015 batch of BE / BTech / ME / MCA students started with a pleasant note. Infosys Technologies recruited 91 of our students on 01st and 2nd September, 2014. As on 12th March 2015, 48 Companies have recruited 241 students. Some of the companies, besides Infosys, which have recruited our students, are iGATE, AKS Software, Polaris, HCL, Virtusa, Lalitpur Power (Bajaj), Amazon, Tychon, Sensiple, V-Tech Power, Nesh technologies and XSeed Item.

Our students also attended the placement drives organized by TNSLPP of Anna University and were successfully placed in Accenture, IBM and CTS. Students have also attended interviews at Sanmar, TCS, Retailon, Saint Gobain, Sysbiz, Wipro GIS, Globalsoft, Unisys and Protechsoft Tech. Final Results are awaited.

This year on/off campus placements will continue beyond March and we are expecting to have a good placement record. Till date we have placed 80% of our eligible students.

Training Cell

The training cell organized the following training programs for our students:

- 1) English language training (BEC and BELS courses)
- 2) Aptitude training
- 3) Soft skills training
- 4) Fundamentals of C programming
- 5) Placement training
- 6) Entrepreneurship guidance

Higher Education Cell

The newly established Higher Education Cell has a partnership with the United States India Education Foundation (USIEF) and the British Council. The cell organized a number of events to help students interested in pursuing higher education either in India or abroad. The programs include presentation on 'Higher Education in the US', 'Sweden Education Day', Presentation on 'Government Universities in Europe' and 'Workshop on SOP Writing'. Our students were also encouraged to attend many education fairs including the US University Fair, the UK Education Expo and the European Education Fair.

Literary Club

The literary clubs (English & Tamil) aim at not only refining the literary skills of the students but also aim developing logical thinking, curiosity to know more and boost their confidence to speak well. The club members had many different activities during their regular weekly meetings. The literary club organized workshops on storytelling and also conducted many competitions for its members.

The year ended with a workshop on 'Storytelling Techniques' conducted by Dr. Eric Miller, founder and director of World Storytelling Institute, Chennai. This was followed by the club's Valedictory on 18th march 2015.

KCG Toastmasters International Club

Our college has an Active Toastmasters International* club' since November 2010. Currently, the club has a strength of **27 members** who meet every week and deliver speeches and get them evaluated by their own colleagues with the help of the ground rules given by the TI*.

The club had many notable achievements this academic year. Our toastmasters won many inter-club competitions and brought laurels to the institute. KCG Toastmasters club is marching towards achieving the most prestigious **GOLDEN GAVEL** + award which is the highest recognition for a club by TI*.

IET Chapter

The student chapter of the professional body, Institution of Engineering and Technology (UK) at KCG College of Technology, Chennai was awarded as "Most Dynamic Chapter 2014" for its vibrant technical activities towards students community, in the award ceremony held at SRM, Vadapalani on 22 March 2015.

NCC / NSS / Sports / Culturals

Our NCC cadets attended and acted as volunteers on various occasions. They also participated in the CADC CUM RDC Camp and won the overall rolling trophy held from 19-28 December 2014 at Vel Tech, Avadi, Chennai. Some senior cadets attended C Certificate exam on 28th Feb & 01st March 2015.

The NSS Unit of our college has been a vibrant and active unit. They organized events such as creating awareness about mathematician Ramanujam by arranging the screening of a film about the mathematician on 12 November 2014, blood donation camps on 19 November 2014, and tree plantation programme on 13 November 2014.

Sports and Games

Our college gives importance to sports and games. Our men's football team, volleyball team, tennis team, table tennis team and athletes won many tournaments this academic year. Our men's volleyball team won many of the tournaments in which it participated and it is rated one of the best engineering college teams in Tamil Nadu.

I would like to mention a few name though the list of achievers in sports is quite a long one.

- Our Judo champion Priyatharshini (II-CSE) won the first place in the state level Judo tournament held from 5th to 7th September 2014 at CMS College of Engineering,

Namakkal. She has also been selected to represent Anna University at the All India Inter University Judo Tournament held at Guru Nanak Dev University, Amrister.

- Our Karate player P. Rajeshwari won the first place in the 2nd SKAI national level tournament held on 26th Oct 2014 at Kilpauk Stadium Chennai.
- Our Athlete B.Manoj (III EIE) won gold medal in 100 mts, 200 mts, 400 mts, High Jump events at the National Paralympic Meet 2014 held in Bangalore.
- Our Cricket Player K. Dhilipan (III-Mech) was selected to represent 2nd Rajiv Gandhi International Cricket Championship organized by Cricket Federation Of Hyderabad from 20- 24 January 2015 at Hyderabad.
- Our Cricket Player C.Karthi (I Civil) has been selected to represent Anna University in the All India Inter University Cricket Tournament held at J.J College of Engineering, Trichy.

Cultural Events

Students and faculty of KCG College of Technology participated in various cultural events in the academic year 2014–15. The faculty of KCG College of Technology took part in the RED 2014 Inter-corporate Cultural competitions held in Chennai.

Students participated actively in various intercollegiate cultural events. Mr. V. Manoj Kumar of third year mechanical won the Mr.Techofes 2015 title. The dance team of KCG qualified to the finals in the Colors of youth National Talent Hunt conducted by Maruti Suzuki & MTV and performed on 12th March 2015. Mr. Ayush of Second year IT and Mr. Delvin Hester of second year Mechanical won the following positions in Techofes Anna University: 1. English debate- 1st place & 2. Extempore- 2nd place.

Important events organized this academic year

Graduation Day

We had our 12th Graduation Day on 31 May 2014. Dr H Devaraj, Vice-Chairman, University Grants Commission, New Delhi was the chief guest. A total of 518 graduands (UG 411 & PG 107) received their degrees on the solemn occasion.

Hindustan Young Leaders' Conference (HYLC)

The third edition of Hindustan Young Leaders Conference 2015 (HYLC 15) was held from 23-25 January 2015. The US Consul General Mr. Phillip Min, Dr. Vinod Surana of Surana & Surana International Attorneys, Ambassador M Ganapathi IFS (Retd) and Commodore S Shekhar (Retd) were the key speakers.

Faculty Day

Faculty Day is a recently introduced programme during which an eminent person who has specialized in life skills addresses and interacts with the faculty on a non-technical topic. It is an occasion for all faculty to gather together at a place and discuss a non-academic topic. This session is followed by research forum meetings in respective departments. This academic year there were three such events.

Women's Day

Our college in collaboration with the Confederation of Indian Industries (CII) celebrated International Women's Day on 13th March 2015. Dr T Jeyasudha, Research Head, Tamil Nadu State Higher Education Council, was the chief guest on the occasion. The highlight of the day was a panel discussion by eminent women leaders. In view of the event a graffiti completion on the theme "Make it happen" was conducted for our students.

Culturals Day – Zeppelin '15

Zeppelin '15 was celebrated on 27th March 2015. It was an opportunity for our students to exhibit their talents in music, dance, and other fine arts. Ms Veena Kumaravel, Founder, Naturals, was the chief guest on the occasion.

Last word:

In the words of Swami Vivekananda, "*Education is the manifestation of the perfection already in man.*" Our founder Dr KCG Verghese echoed the same outcome of education in different words "*Make every man a success and no man a failure.*" We have a great mission ahead and it is to help our students learn the right thing and enable them to manifest what they have learnt. This manifestation of perfection is possible if our minds and hearts are united in marching towards the goal we have set.

Let us continue our march and achieve the goal.

Thank you.