

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

**ANNUAL REPORT 2018**

**20<sup>th</sup> College Day – 01 March 2018**

**Our View of Education**

KCG College of Technology strongly believes in the concept of holistic education and strives to achieve its goal of preparing students to meet the challenges that we face in the twenty-first century. Our team of experienced faculty impart the skills necessary not only for academic success but also for life.

**Awards and Recognitions**

- We began this academic year with the happy news from the National Board of Accreditation (NBA) that all the five departments-Departments of Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Information Technology, and Mechanical Engineering - that applied for accreditation were accredited. It is worth mentioning that our college was the first to apply under the new format introduced by the NBA and we are one among the very few engineering colleges in India where all the applied programmes were accredited.
- Very recently, our institute was conferred with the “Best Institute Fostering Academia Research Industry Partnership Award” by the Associated Chambers of Commerce & Industry of India (ASSOCHAM). Our Principal Dr G Prabhakaran received the award from Dr Sathya Pal Singh, Minister of State for Human Resources Development, Government of India.
- KCG College of Technology is in the Platinum Category of “**AICTE-CII Survey of Industry Linked Technical Institutes 2017**”. Among the 9524 Institutes that participated, KCG-EEE is the winner in Electrical & Allied Category, KCG-CSE & IT in **Top 65** of Computer & Allied Category and KCG-Mech& Aero in **Top 130** of Mechanical & Allied Category.

- We have also received the Sustainable Industry Institute Partnership (SIIP) Award from Society for Educational Entrepreneurial Development (SEED) for 2016 & 2017.
- This year two more departments, EEE & Aero have also received the permanent affiliation by Anna University.

### **Research & Consultancy Activities**

Our faculty and students have been contributing towards research and development, making the research forum very active and vibrant.

- In this academic year our faculty members have published 95 research papers in the International journals of repute and presented 52 papers in national and international conferences. A total of **40 patents** have been filed by various departments.
- A total of **Rs.74,28,900/-** has been sanctioned by various funding agencies AICTE, IET, ICMR, IEI, DST etc. Here are the highlights:
  - The project titled "A Novel SMART Radiation Monitoring Cyber Physical System with IoT based Dosimeters for Radiation Environment" by Dr N Bharathi, Professor and Head, Department of EIE, has been sanctioned **Rs.40 lakhs from DST**.
  - The Department of EEE has been sanctioned **Rs.6,39,400/-** for organising an FDP and **one lakh rupees** to conduct a seminar by **AICTE**. They have also received **Rs.50,000/-** for organising a workshop by **ICMR**.
  - The Department of EEE has been sanctioned an amount of **Rs.10,55,000/-** by **AICTE** for Modernization of Power Electronics and Renewable Energy Lab. It's worth mentioning that KCG is one of the select few colleges in the Country to receive both **DST-FIST** and **AICTE-MODROB** funds to set up the latest Power Research Labs.
  - The department of ECE has been sanctioned **Rs.13 Lakhs** by **AICTE** for conducting two FDPs and **one lakh rupees** for conducting a seminar. **ICMR** has sanctioned rupee **one lakh** for conducting two seminars.

- The department of EEE has also collaborated with **GE** to provide training to Industries and have received an order of **Rs.12,00,000/-**
- We also would like to thank **Hyundai Motor India Limited** for having donated **Creta 1.6 CRDI** worth of **Rs.18 Lakhs** to KCG for academic purpose.
- AK EDUSAT, a proposal to have a joint project between KCG as a lead institute and nine other institutes to send education satellite to space has been submitted to ISRO. This is done in association with Abdul Kalam Vision India Movement and International We Serve Foundation.

My congratulations to all those who contributed to the success.

### **Achievements by Faculty**

Our college is proud of some distinguished members of the management and the faculty who have brought laurels to the institute by their exemplary service and achievements.

- **Dr Anand Jacob Verghese**, Director & CEO, HGI was re-elected as Chairman of AeSI (Aeronautical Society of India) Chennai Chapter for a period of two years.
- **Dr M Krishnamurthy**, HoD- CSE was recognised for Years of Dedication in Teaching by Lions Club
- **Mr A Balaji**, Assistant Professor- CSE received Inspire Faculty Partnership Level 2017- Bronze Medal from Infosys Limited.
- **Dr R Dhanalakshmi**, Associate Professor- CSE was awarded APJ Abdul Kalam Award for Teaching Excellence by Marina Lab.
- **Dr S Ramesh**, HoD Mechanical, received Best Administrator Award from Dr.Kalam Educational Trust, Chennai.
- **Dr R Amrutha**, Associate Professor of Physics received “Distinguished Scientist Award” and Dr Deepa Jose was honoured with “Outstanding Woman in Engineering” award from Venus International.

- **Dr M Geethalakshmi**, Assistant Professor of Mathematics received Young Researcher Award for her outstanding best practices and contribution in the field of Education and Research.
- **Dr Jose Anand** was honoured with “Outstanding Faculty in Engineering” award by VIFA and Bharat Vikas Award 2017.

My hearty congratulations to all the awardees.

Many of our faculty involve themselves in continuing professional development activities. They serve as resource persons in professional development events, reviewers and editors of journals, research supervisors, doctoral thesis evaluators, Technical advisory committee members, Members of Board of studies, Technical programme committee members and also as a regular columnist in leading English newspapers.

Due to time constraints I am not in a position to mention the names of the contributors but congratulate them on their achievements.

### **Events organized**

Our college organized many events during the academic year 2017-2018. Here are the details of some important events:

- Sixth edition of Hindustan Young Leaders’ Conference (HYLC) 2018 was organized in collaboration with United Nations Information Centre for India and Bhutan on 19<sup>th</sup> January 2018.
- The Internal Quality Assurance Cell (IQAC) of the college conducted a training Programme on “Management of Quality Circles for Effectiveness of Educational Institutions” on 22<sup>nd</sup> and 23<sup>rd</sup> June 2017 to educate the faculty and students, the importance of ensuring quality in educational institutions.
- The Higher Education Cell organized several programs for students and faculty to create awareness on the process involved in pursuing higher studies abroad. The boot camp on higher studies opportunities in the US by Mrs Shanthi Mohan, USIEF, and

sessions by Mr Dane Rowley, Director of International Admission at California Lutheran University and Mr Tamil Magan, KCG alumnus who is presently studying in the University of Ottawa, Canada, deserve a special mention.

- The Civil Services Club organized an interactive session with Mr Israel Jebasingh, IAS to motivate the students who are interested in preparing for UPSC exams.
- KCG ToastMasters Club and KCG YouthMasters ToastMasters Club have achieved Select Distinguished Status by scoring required points in Divisional Club Programme. KCG Youthmasters Toastmasters club won 'Beat the Clock' Award.
- Various school outreach programmes were also conducted this year across the state by all departments. Hour of Code, a one-hour coding challenge for school students, was conducted as a part of social outreach programme by the departments of CSE and IT. Around 299 students from various schools participated in the programme and practiced coding through fun.
- Residential pre-placement training was organised for the final year students to orient them towards their placement. Mock Interview by Corporate HRs and our Alumni were also organised before their placement season.
- Sports and athletics have been an integral part of KCG. Keeping up the tradition, the department of Physical Education organized its 12th KCG Memorial Tamil Nadu State level inter school Tournament in Football, Volleyball & Basketball. 600 participants from 39 schools across Tamil Nadu participated in the tournament. Anna University Zonal Handball Tournament was conducted in which 20 teams participated. The annual Sports Day was conducted on 28 February 2018.
- KCG clubs such as Aero Modelling Club, Programming club, Mobile Apps Club, Robotics Club, Music Club, Dance Club, Photography Club, KCGMUN Club, Quiz Club, Civil Services Aspirants Club, Sports Club, Fitness Club, & Horse Riding Club, offered a mixture of technical and non-technical, indoor and outdoor activities.

- The EFY KCG Tech Centre, in collaboration with Electronics For You, a popular technical magazine, has been conducting full-time hands-on training on Arduino and Raspberry PI at regular intervals.
- KCG being an affiliated Training Center of NSDC have trained and certified 7 batches this year.
- We consider it important for faculty and students to be aware of the recent trends in the field of science and technology. To facilitate this a total of **18 seminars, 26 workshops, 39 guest lectures and 16 faculty development programmes** were conducted during the academic year. These include programmes sponsored by professional bodies.

### **Achievement by Students**

Students of our college have been actively participating in various intercollegiate technical, cultural and sports events and have won many awards.

- KCG Team was recognised as the top ranked **Indian team in the international robotic challenge event** held at China from 25-27, August 2017. Our students won a special jury award. Also, Mr Karthikeyan of final year Aeronautical Engineering won Best Team Cooperation Award.
- Eight of our students participated in **The World Festival of Youth and Students** in Russia.
- L. Nagajothi III Aero represented India in **TFF Minime Series & All Thailand Fencing Championship** at Bangkok.
- KCG Team has been selected as one among the 75 teams for the **SAE Aero Design Challenge** to be held at Florida, USA during March 2018.
- KCG College has been one among the partnering institute with PALS Pan IIT Alumni Leadership series. We have won **PALS Innowah Competition** consecutively for

three times. We have won Best Partnering Institute Award, Best Student Volunteer Award and PALS Innawah Award.

- Team KCG-D'ARC won first place in **Smart India Hackathon '17** conducted by Ministry of Human Resources Development Department (MHRD) of India and AICTE. Their project "Hi-Qual Surveillance System" is shortlisted for a fund of Rs. 3,12,000 from AICTE.
- **SAE Supra Inferno Racing Team** comprising 25 students from the department of Mechanical is ranked eleventh in India and first in Tamilnadu in the event organised at Noida, BuddhCircuit.
- The Mechanical Engineering students won 7th place in International **F-9 Go Karting Championship** held at Bhopal.
- ManzoorAbizer of final year Mechanical Engineering and Mr Aaron Mathews Oommen, Assistant Professor, Mechanical Engineering has received Rs. 55,000 in **Carbon Zero Challenge 2018** held at IIT Madras.
- The members of **KCG MUN Club** participated in nearly 18 MUN conferences this academic year and have won various awards. Mr S Karthik Kumar, Essa Salim and Mr N Aravind assumed Executive Board Posts in these conferences. Mr S Karthikkumar received Honourable Mention Award in Syndicate MUN, Best Delegate Award in SRM Vadapalani MUN and BITS Hyderabad MUN, High commendation in SRM Ramapuram MUN, IIT MUN and CUFE MUN. Eassa Salim and Srinivasan have won Best Delegate Award in the MUN organised by IIT M and SRM University. Ms Kavyashri won Special Mention and Verbal Mention in the conferences organised by SRM Ramapuram Campus and High Commendation Award in SSN MUN.
- The **KCG Music band "Last Element"** performed at the Chennai International youth fest (held at WCC) and won a show contract to perform at the unwind centre Adyar. The lead singer Ms. JuviJames performed with the world renowned keyboardist Mr Stephen Devassy during a live show at Kerala.

- Ms. Remina Agnes III CSE was recognised as the Best Female Dancer and won Hero maestro edge Scooter worth Rs. 50,000/- for her performance in **radio mirchikalooristars 2k18**.
- B.Sabrish of I EIE won the **Anna University Inter Zonal Tournament** and got qualified to represent Anna University in All India Inter University Tournament to be held at Punjabi University.
- M.Manoj IV Mech represented Anna University in **All India Inter University Swimming Championship** at Punjabi University Chandigarh.
- R.Surya of I year Aero represented our state in **28th Junior National Throw ball Championship** at Mandya, Karnataka.
- Pragadeeswaran, III ECE represented Pondichery in **Senior Nationals Handball Championship** organised by Handball Association of India at Kaddapa .
- A team of students participated in **e-Yantra Ideas Regional Finals Competition** conducted by IIT Bombay and won a cash prize of Rs. 10,000/-
- Mr Balasurya, Mr Agasthiya, Mr Ajith Kannan and Mr Chitrarasu of Mechanical Engineering have won Rs 25,000 for their contribution in **Coin National Expo on Design and Innovation** AICTE & IIT Delhi.
- Two batches of students from department of EEE have received **Rs.77,000/-** from **Institution of Engineers** for their project.

There are many more recognitions that the students have won. Due to time constraints I am not in a position to list all. Congratulations to all student achievers.

### **MoUs signed**

Various MoUs with Foreign Universities, Leading Industries and R&D Organisations have been signed this year. And they are Nokia Solutions and Networks India Private Limited, Servion Global Solutions, Starcom Information Technology – Bangalore,



NIELIT, Builders' Association of India, Ariel University - Israel, University of Surabaya - Indonesia and IET Ottawa Local Network - Canada.

### **Placement and Training**

Training programs on language skills, programming skills and soft skills are offered to the students' right from the first year of their study so as to orient them towards final year placement. A residential pre-placement training program was also conducted for the final year students. Students were trained in quantitative aptitude, verbal aptitude and logical reasoning. Mock Interview by Corporate HRs and our Alumni were also organised before their placement season.

The important companies that visited the campus this year include Infosys Ltd, Amazon, Juspay, DBS Bank, Zoho, Kaar Technologies, embedUR Technologies, Capgemini, Servion, SANMAR Group, Indus Software, and Data Patterns. So far, 144 students have been placed this academic year.

### **ISO recertification**

The Management System Process in our college has been well on its track that during this academic year we completed the ISO Surveillance Assessment Audit successfully. Recertification of the QMS system from ISO 9001: 2008 to ISO 9001: 2015 is in the pipeline.

### **Last word:**

In the words of Jean Piaget "The goal of education is not to increase the amount of knowledge but to create the possibilities for a child to invent and discover, to create men who are capable of doing new things". Our founder Dr KCG Verghese echoed the same outcome of education in different words "*To 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.