

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

**21<sup>st</sup> College Day – 23 March 2019**

**Principal's College Day Speech**

**Welcome**

Good afternoon to all. On the occasion of 21<sup>st</sup> College Day celebration, it is my privilege and honour to welcome Mr C Pawan Kumar, General Manager, Isuzu Motors India Pvt. Ltd. Mr Pawan is an automobile enthusiast with Industrial Engineering background and an MBA in Finance. He has rich experience in the fields of building automotive supply chains and lean production systems. I express my sincere thanks to Mr C Pawan Kumar for accepting our invitation to be the Chief Guest and grace the occasion.

I wholeheartedly welcome our Chairperson - Dr Elizabeth Verghese, Director and CEO - Dr Anand Jacob Verghese, Director - Dr Annie Jacob, Director - Dr Aby Sam and all the guests. I also extend my welcome to Deans, Vice Principal, Associate Dean, Heads of Departments, faculty, non-teaching staff, administrative staff and my beloved students.

I am extremely happy to present to you all, the contributions and achievements, we made during the academic year 2018-2019. Our accomplishments are always in line with the noble vision of our Founder Chairman Dr KCG Verghese, "Make Everyman a Success and No man a Failure".

**Our View of Education**

KCG College of Technology believes in the concept of holistic education and adopts strategies that help learners to keep up with the changing times. We lay strong focus on integrating the twenty - first century skills into our classrooms that enhance the students' ways of thinking, learning, working and living in the competitive world. Our team of experienced faculty members work towards this goal and develop among the learners the skills needed for successful professional and personal life.

**University Ranks**

Our students secured 12 university ranks which included both under-graduate and post-graduate students. The department of Aeronautical Engineering secured 7 ranks and the rank holders are Surya Prabha S, Aasha R, Vignesh R, Mohini M, Rajakannika R, Bessy Benny and Debanjali Dey.

Ashvin J of Mechanical, Prasanalakshmi V of EEE and Manimegalai S of IT are the other rank holders from the undergraduate stream. In the post graduate stream, Arunraj S and Aravind A of MCA have secured university ranks.

My congratulations to them on their success.

### **Awards and Recognitions**

- Our college was conferred with “Best Industry Interface Engineering College in Tamil Nadu” by Prime Time in Global Education Excellence Awards 2018. Our Registrar, Dr C Chinnaraj received the Award from Sri. Amar Singh, Ex. M.P, Sri. Chetan Chauhan, Minister for Sports, Skill Development and Vocational Educational, UP and Sri. Basanth Kumar, Retd. I.A.S.
- KCG College of Technology received an award from Shri. Pranab Mukherjee, Honourable Former President of India for “Excellence in Promoting Industry-Academia Interface”. The award was given by ASSOCHAM, New Delhi in the 12<sup>th</sup> ASSOCHAM National Education Summit held on 21<sup>st</sup> February 2019.
- KCG College is one among the 1000 institutions in the country selected by MHRD to establish Institution’s Innovation Council (IIC).
- The College has registered as one of the spoke colleges under the Academic Innovation and Entrepreneurship Development Programme (AIEDP) of EDII-TN with an objective to promote innovation and entrepreneurial ecosystem in campus.
- Two records - Guinness Record and Asian Record - on ***Child Safety*** were created when 4000 students from the various institutions of the Hindustan Group assembled on KCG campus. The occasion was graced by Dr Prateep Philip, IPS, DGP, Actors Nisha Ganesh and Ganesh Venkatraman, members of Friends of Police.
- KCG College of Technology is one of the Nodal Centres for Virtual Reality Labs in Tamilnadu.
- Two new programmes, B.Tech. Fashion Technology and B.E Automobile Engineering are being offered from this academic year.

### **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 78 research papers in the International journals of repute and presented 55 papers in national and international conferences.
- A total of 27 patents are obtained and 8 patents have been filed by various departments.
- Research projects worth Rs.1,26,86,600/- funded by DST-FIST, CVRDE, AICTE-MODROBS, NIWE, TNSCST, DST-SERB, ISRO and Newton Bhabha Scheme are being carried out in the campus.

- A total of Rs. 25,31,103/- has been received through consultancy from various industries, namely CDCE, Ashok Leyland, MEL Systems and Services Ltd, TVS Head Lamp, Guires, JK Geotech and Stir Casting –Mechanical Lab.
  - CVRDE has sanctioned Rs.22.35 lakhs to the department of EEE for the project titled “Design, Modelling, Simulation, Analysis and Demonstration of Contact less Battery Charging System using Inductive Coupling”.
  - University of LEEDS, UK has sanctioned Rs.45.25 lakhs to the department of EEE for the project “Optimal Dispatch of Virtual Power Plant using Cyber Physical Controller for Real Time EMS” approved under the Newton Bhabha Scheme.
  - The department of EEE has been sanctioned Rs. 1 lakh by DHR – ICMR for organising a 5 day Workshop on “Emerging Trends in Wearable Sensors for Health Care Applications”.
  - The department of Civil Engineering has been sanctioned Rs.75,000/- by DST-SERB for conducting a five day seminar on “Artificial Intelligence in Construction”.
  - ISRO-DOS has sanctioned Rs.50,000/- to the department of ECE for conducting a 3 day seminar on “Satellite Image Analysis using Deep Learning Techniques for Remote Sensing Applications”.
  - IEI has sanctioned Rs. 20,000/- to the department of EEE for carrying out a Research & Development Project.
  - KCG-EWB received All India Level -Best Presentation Prize and received a cash prize of Rs.20,000/- towards a project ‘Ultrasound Mosquito repellent’ to be developed and distributed to inmates of Kannagi Nagar.
  - We encourage our students to apply for project grants. Students from Aeronautical Engineering, ECE, EEE, EIE and Mechanical Engineering applied to TNSCST for a project grant. I am happy to share that each of the 6 projects proposed by our students has received a fund of Rs.7500/-
- Congratulations to all those who contributed to the success.
- I would like to place on record, Dr M V Ramanamurthy, Scientist G & Head, ICMAM who has been recognised as distinguished professor under AICTE- INAE distinguished visiting professorship scheme is the visiting professor of Department of Civil Engineering.
  - Mr Weiss, the German expert was in the campus during August 2018 to provide guidance on establishing Centre for Automobile Engineering.
  - Ford India Ltd., presented to the college an Rs.18 lakh worth Ford Eco Sport car and BMW an engine assembly which are being used as learning objects by students of Mechanical Engineering.

### **Training and Placement**

Training Cell arranged training sessions on English language skills, soft skills, quantitative aptitude, analytical and logical reasoning, technical skills, interview skills and group dynamics. These sessions enabled our students to face interviews with confidence and excellence.

80% of our eligible students have been placed in reputed companies so far and the recruitment process for this academic year is still in progress. A total of 66 companies have given placement

offers to our students. Infosys, Virtusa, Zoho, Capgemini (Aero), Kaar Technologies, Tata Communications, Data Patterns, VVDN Technologies are some of the leading recruiters for this year.

Our Chairperson Dr Elizabeth Verghese has always stressed upon the need to prepare young learners to become job creators than job seekers. I take great pride in informing Madam and the august gathering that our students of Aeronautical Engineering, Sorna Raj and Shivananthita (2017 batch) have started a company named, Arch Drones. They have invested Rs 4 crores and signed a contract with Govt. of Tamilnadu in setting up a manufacturing plant at Chennai Aero Park.

### **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 received MGR Ratna Award 2018 from Srilankan Government in the presence of Shri Karu Jayasuriya, the Speaker of the Srilankan Parliament and Shri.V.S. Radhakrishnan, Minister for Education, Srilankan Government in Kandy, Srilanka at Bharat Ranta MGR 102nd Celebrations held on September 16, 2018.
- Our Director & CEO was re-elected as Chairman of AeSI (Aeronautical Society of India) Chennai Chapter and elected as Vice-President of AeSI
- Dr M Geetha Lakshmi, Asst.Professor, Mathematics received Best Young Researcher National Award from Innovative Research Developers and Publishers. She also received Outstanding Researcher Award from International Institute of Organisational Research.
- Mr.Karthikeyan, Mr S Gowtham and Ms M Shanmugapriya, Assistant Professors, Department of EEE received appreciation from Texas Instruments for fostering an Ecosystem bridging Government , Industry and Academia

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 2018-2019. Here are the details of some important events:

- Dr MK Surappa, Vice-Chancellor, Anna University, inaugurated the state-of-art Power System Protection Lab funded by the DST-Government of India under FIST scheme on 19th September 2018.
- Centre of Excellence in Advanced Automotive Research was inaugurated by Mr.Helfried-Wolfram WEISS German expert, Ex-head in car predevelopments car concepts, BMW on 23<sup>rd</sup> July 2018.
- The Department of Electronics and Communication Engineering organized a National Conference on Computing and Communication 2018 (NCCC'18) on 17th March 2018.
- National Conference on Mechanical, Aeronautical & Civil Engineering (NCMACE – 2018) was organised on 28th March 2018.
- International Hot Air Balloon Festival was conducted on 3<sup>rd</sup> January 2019 which provided an opportunity for students to interact with international pilots.
- Seventh edition of Hindustan Young Leaders' Conference (HYLC) 2019 was organized on 25<sup>th</sup> January 2019. Delegates from 41 institutions participated, and was graced by dignitaries like Mr Antony Lobo, Consul of Spain; Mr Somi Hazari, Former President of India-ASEAN-Sri Lanka Chamber of Commerce; Dr Abdul Ghani Green Man of India and Dr Anand Jacob Verghese, Director and CEO, Hindustan Group of Institutions.
- There are more than 20 clubs flourishing on campus. To name a few of the events organized by them - The Civil Services Club organized an interactive session with Mr S Selva Nagarathinam, IPS, Deputy Commissioner Triplane to motivate the students who are interested in preparing for UPSC exams. The Quiz Club conducted a Inter collegiate Quiz contest-Dublin Daly on 8<sup>th</sup> March 2019. 74 teams from various institutions participated. KCG Toastmasters Club was awarded Golden Gavel Award, the highest recognition, in the three day District Conference held at Colombo, Srilanka.
- Freshers Talent Hunt *Virtuoso '18* saw an explosion of talent. The special guests of the day were Singer/Actor Soundarya Nandakumar, Casting Directors Aravind & Arun alumni of KCG.
- The famous Indian band *Thaikkudam Bridge* performed on campus on March 16<sup>th</sup>. The mega rock concert was a memorable and indelible event for the students.
- To instil civic responsibility **World Citizen Day** was celebrated on November 19, 2018. Debate, Quiz, poster making and essay writing competitions and panel discussions were held. The chief guest was Mr Mukund Padmanabhan, Editor The Hindu and the event was presided by Chairperson Dr Elizabeth Verghese.
- To inculcate the spirit of unity and compassion, value of good health and environment among students, we celebrated World Mental Health Day, International Yoga Day, Engineers' Day,

Teachers' Day. Independence Day and Republic Day. A workshop on Self Defence was also held to empower the girls on campus.

- An intra-department Paper Presentation Contest and Mini Project Challenge were held on August 18 and February 23 respectively. More than 400 papers and projects were presented by the students. The presentations and projects were adjudged by eminent academicians and industry experts like Dr.Varma, Technical Lead, Centre for Excellence in Embedded OS, HCL Pvt. Ltd, Mr. Dinesh, Project Manager, UCAL (Aerospace Division) and Dr S K Srivatsa Professor Anna University to name just three. Each event saw a number of eminent experts interacting with the students and giving them directions on how to scale up their innovative ideas. Best papers and projects were awarded.
- NSS cell organised blood donation camps, free body check- up and eye check-up, tree plantation programmes and participated in relief works. Our students' chapter, Engineers without Borders, organised a beach cleaning drive at Panaiyur Beach, ECR.
- We always show our students by doing than saying. Our CEO and Director Hindustan Group of Institutions handed over a cheque for Rs. 50 lakhs towards Kerala Flood Relief to the Chief Minister of Kerala and a cheque for Rs. 25 lakhs to Chief Minister of Tamilnadu towards relief measures for victims of cyclone Gaja. Faculty and students generously contributed towards this in whatever way they could.
- **Engenius 18**, a mega event for school students was held on August 31. 1800 students from 39 schools participated. 14 technical and cultural competitions, four workshops, two special sessions, display of 50 innovative projects of KCG students, and air-show of drones and aero models were the highlights.
- Other programmes for school students comprised Hour of Code, a one-hour coding challenge for school students, popularisation of science workshops, special talks on the topics "I Can, I Will" and "Let Us Build Better Civil Engineers" Career Opportunities in Future Education Scenario' and "Fun with Electro-magnetics", workshops on 'Robotics' and 'Arduino', '3D printing' and SAE Vehicle Show. Training on Firebird Robotics was given to school students in KCG eyantra Robotics Lab.
- In association with TV Channel "Puthiya Thalaimurai", a programme "Vetripadigal- Strategies was organised to overcome exam fear" for school students. Dr.M Ravi , IPS,ADGP was the chief guest.
- Sports and athletics have been an integral part of KCG. Keeping up the tradition, the department of Physical Education organized its 13th KCG Memorial Tamil Nadu State level inter school Tournament in Football, Volleyball & Basketball. 700 participants from 65 schools across Tamil Nadu participated in the tournament. Anna University Zonal Hand ball Tournament was conducted in which 340 players participated. The annual Sports Day was conducted on 9<sup>th</sup> March 2019.

- It is crucial for faculty and students to be aware of the recent trends in the field of science and technology. To facilitate this a total of **22 seminars, 46 workshops, 6 National Level Technical Symposia and 24 guest lectures** were conducted during the academic year. The address by Mr EIZE De Vires, Technology and Market Trends Consultant in the international seminar on Wind Turbines deserves a special mention.

### **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 secured 7<sup>th</sup> rank at National level and 2<sup>nd</sup> at State level in ISNEE Go Kart 2019.
- Students of the Department of ECE developed a learning module for dyslexic children "Lexi Check" which bagged first prize with a cash award of Rs One lakh in Smart India Hackathon 2018; second prize with a cash award of 500 USD in IEEE SS12 2018 Competition held at NSBM Green University, Colombo, Sri Lanka and third prize in ICT Academy-Youth Innovation Summit 2019.
- Final year student of Department of CSE, Mr Infant Sam, won first place in HackAR, a National Level Augmented Reality based Hackathon and was awarded a cash prize of Rs. 50,000/-. He bagged first prize in State Level Youth Innovation Summit conducted by ICT Academy and second place in TECH Expo in which he received a cash award of Rs.3000/-.
- Jayashree R, Jacob Paul, D Joel Andrews and Jemi Anugraha of ECE have received IEEE - SS12 Student Innovator Award.
- Karthikvelan of III EEE has received IET CLN YP Activity Award 2017- 18 - Chapter Based Award.
- Sai Manjunath. S CSE, received IET Chapter Based Academic Performance Award 2018
- Infant Sam Christian, CSE, received IET Chapter based Trend Setter of the Year award 2018.
- Pravallika P, CSE, received IET Network based Leadership award 2018
- Students of Mechanical Engineering won third place in PALS Innowah-Innovation Challenge 2018-19 for their project titled "Fabrication of Solar Powered Wireless Cleaning Machine".
- Gautam R and Mr Infant Sam of final year CSE won second place in Hackathon conducted by Hindustan Unilever Ltd.
- Morvadia Aisha Ikbalbhai, Sanjeevi G, Nandhini B of III Aeronautical Engineering won Best Team Culture Award in the International Aerial Robotic competition held in China.
- The project team of Surjith Raj V and Ravi Chander T U of final Year Civil Engineering is in top 10 position in Smart India Hackathon – Hardware Edition 2018 - IIT Kharagpur.

- Inferno Racing Team of Department of Mechanical Engineering has won first place in Faternity of Mechanical & Automotive Engineers, Kari Motors, Coimbatore, 12th place in SAE Noida and 16th place in Indian Society of New Era Engineers, Bijonur, UP.
- Mr Srinivasa Ragavan, I EIE has won second place in IET Smart City Challenge and received a cash prize of Rs. 15,000/-. He also won second prize in the National Level Tech Fest-Green Energy Summit - Shaastra 2018 and received a cash award of Rs.8000/-.
- Rakesh of first year Information Technology has won second place in CM TROPHY U-21,SDAT, Madurai and received a cash prize of Rs. 75,000/-.
- R.Visvesh of I-Automobile Engineering played for Tamilnadu 13th National Floor ball Championship at Delhi.
- B.Sabrish of II EIE won the Chennai District Boxing Championship in bantam category.
- Pravin Raj of final year Civil Engineering has won Bronze in the Inter-Zonal Judo Tournaments 2018-19.
- Milton David M of first year EIE has won Bronze in the Anna University Judo Tournament.
- Vignesh of III EEE won the runners up title in ISHA Foundation Volleyball Tournament and received a cash prize of Rs. 3 lakhs.
- Kaviraj of III EEE has won 1st prize in National Level Karate Open Championship.
- B.Sabrish of II EIE won Gold medal in Anna University Inter Zonal Boxing Tournament and represented Anna University Boxing Team in the All India Inter University Boxing Tournament held at Udaipur, Rajasthan from 14th to 2nd March 2019.
- Our NCC cadets won first prize in Tent Pitching Competition in Combined Annual Training Camp held at Dhanalakshmi Engineering College. They have received many recognitions and to mention a few: CUO Gopalakrishnan of final year EEE was one among the 6 cadets selected by Tamil Nadu directorate to attend SSB Screening Camp; CPL Dinesh Kumar V of III Mech and CPL Lobalatha K of III EEE won third place in firing in Thal Sainik Camp for firing. LCPL Jagan Babu of III Aero represented our college and 1 TN (BN) in the Marina Republic Day Contingent.
- The KCG Dance Team won first place in Esperanza 2K18 conducted by Vel Tech Multi Tech Engineering College and were runners up in Tamil Nadu Dance festival, Radio Mirchi dance contest to name a few of the prizes won by them this year.
- The college Quiz teams also won a number of prizes, including Mahindra Auto Quiz 2019-Cityround. The winners Amit Pothina & Elhan Mathew, IV year Mechanical Engineering were qualified for National Level which is to be held on June.
- We are proud of our alumni, our best ambassadors. Merlyn Stewart of Aeronautical (2017 batch) has secured All India Rank – 7 in IIT GATE Examination 2019. Sanjay Sondagar (2018 batch) has got admission in University of Adelaide, Australia for Fall 2018.

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



### **MoUs signed**

Various MoUs with Foreign Universities, Leading Industries and R&D Organisations have been signed this year. They are Asia Pacific University of Technology & Innovation, Technology Park Malaysia; National Centre for Coastal Research; FORGE Accelerator, Coimbatore; Virtusa Consulting Services Pvt Ltd.; SCHWING Stetter (India) Private Limited; Simens; BSNL RGM TTC; GAVS Technologies; KKM; Data Patterns (India) ; MEL Systems and Services Ltd.; VESTEL Communication; Alfa Machine Tools; SkyPort Innovation Pvt. Ltd., and Markdermy.

### **Last word:**

In the words of Howard Gardner “The goal of education is to help people use their mind better”. In other words it should enable people to think critically, evaluate and analyse situations logically, offer creative and practical solutions and also identify right potentials for action. These will lead them to the path of success. In the world we live in today, we have a great mission ahead. We have to train our students to look at things critically and enable them to distinguish between the good and bad, fake and real and make right decisions at right time. We should work in unison to achieve this goal. Let us strive together and play our role in creating a better tomorrow. Thank you.

***Dr G PRABHAKARAN***  
***PRINCIPAL***