

ANNUAL REPORT 2019-2020

Opening Remarks

A Brand is necessarily a name that can strike a chord with the right audience in a relevant way. A successful brand doesn't happen like lightning. Years of trust, credibility, and authenticity are what build a brand organically. Education, at any phase, is the crux of life. Education aims at holistically developing an individual as opposed to only the academics part of it. For an educational institution to emerge as a distinct identity & grow into a successful brand, branding plays a crucial role.

For an institution of higher education focused on improving student success outcomes, developing a definition of success on that particular campus constitutes an essential first step. Once the end goal is clear, the institution can develop a holistic, student-centered strategy across all dimensions of the student experience, from the classroom to support services to campus operations to relationships with the broader community, with all designed to foster measurable improvements.

We, at KCG College of Technology during the academic year 2019-2020 have taken best efforts with the support of the management team to impart holistic education to the students and this report showcases our accomplishments and fruitful endeavors.

The activities and achievements are broadly classified and presented based on the heads namely:

- **Accreditations, Rankings and Awards**
- **Industry Collaborations**
- **Research activities and Funding**
- **Training and Placement Activities**
- **Co-curricular & Extra-curricular Activities**
- **Staff and Students Wellness Programmes & Professional Development**
- **Faculty and Students achievements**
- **Corporate Social Responsibility (CSR) Activities.**

In alignment with the vision of our Founder Chairman, Late Dr. K.C.G. Verghese, we commit ourselves to invoke the rise of a renewed humanity through the integral development of mind, body and spirit. All the activities summarized in the report are the witnessing structures acting as springboards to step into the mystery of a student's life and beyond.

Summary of Activities and Achievements

Accreditations

- Accredited by National Assessment and Accreditation Council (NAAC) with A+ Grade and has secured a CGPA of 3.4 out of 4
- Four of our BE/ BTech Programmes- Mechanical Engineering, Electronics and Communication Engineering, Computer Science and Engineering and Information Technology - re-accredited for three years by the National Board of Accreditation (NBA)

Rankings

- First position in Chennai and third position in Tamilnadu among the Non-Autonomous Colleges Affiliated to Anna University, which were ranked by NIRF; 39th position in Tamilnadu and 13th position in Chennai in the engineering category among IITs, IIMs, Central, State, Private and Deemed to be Universities in India.
- Ranked 84 among top engineering colleges in India and 70 among the top private engineering colleges in India according to Times Engineering Institutes Ranking Survey 2019
- Rated AAA+ by Career 360
- Listed as one among the top 100 colleges out of the 14,000 colleges applied for ARIIA ranking
- 77th rank among Top Engineering Institutes in India and 67th rank among Private Engineering Institutes in India according to Times Engineering Institutes Ranking Survey 2020
- Ranked 24th among Top Engineering Colleges of Eminence and ranked 9th in Tamilnadu in CSR Engineering Colleges Survey.



- Ranked 108 overall India, 22nd in Tamilnadu and 10th in Chennai by India Today-MDRA Best Colleges Ranking 2020

Awards

- AICTE-CII Survey of Industry Linked Technical Institutes Award -2019 for Electronics and Allied (ECE &EIE) Category and is one among the 39 institutes in the Platinum Category.
- Global awards from World Education
 - i.) Award for outstanding contribution in Education to Dr Annie Jacob, Director, KCG College of Technology
 - ii.) Best Educational Institute in Engineering.
 - iii.) Best Student in Multiple Talent- Lexi Check.
 - iv.) Best Green Campus Initiative.
- Best Higher Education Institute Award for Skill Development received at 7th Annual Skill Development Summit organized by Indian Education Network, New Delhi
- Teaching Awards in Engineering jointly given by Staffordshire University, UK and Education Matters
- Prime Time Institution of the Year 2019 (Social Welfare) Award
- Dewang Mehta National Awards 2019- Education Leadership Award
- Certified AWS Academy Member Institution. Certificate received during ICT Academy Bridge event held on 11th December 2010 at New Delhi
- Full star recognition for Industry Innovative Cell for securing a score of 24.99/25
- KCG CSI Chapter received the 'Best Accredited Student Branch Award' for the period 2017-2019
- KCG Rotaract Club received an award for its contribution from Rotaract District 3232 during the Annual Conference at Madras Race Club Ground.
- Department of Aeronautical Engineering received awards in three categories from the Aeronautical Society of India,
 - Best Department offering Aeronautical Engineering
 - Commendable Research Contribution in the field of Aeronautical Engineering

- Best Head of the Department Award to Dr K Vijayaraja for his contribution towards the growth of the department and Aero society.
- Department of Automobile Engineering has become member of Automotive Component Manufacturers Association of India
- KCG recognised as Shining Nodal Centre by Virtual labs

Centres of Excellence

- Centre of Excellence in Java (Full Stack) with Virtusa was renewed for the academic year 2019-2020.

MOUs Signed

- Inferno Racing & X1 Racing League of Aditya Patel & Armaan Ebrahim
- Mando Automotive India Private Ltd
- Tex Valley Market Limited
- Voltech Engineers Private Ltd.
- Med India Health Network Private Limited
- Super Auto Forge Private Limited
- Intimate Fashions India Pvt Ltd., Super Auto Forge Ltd.
- Hexaware Solutions

Research

Publications

A total of **181** research papers have been published in International Journals by members of faculty between June 2019 and June 2020.

Patents

Ranked among the Top 10 Indian Applicants for patents from Institutes from Industries and Universities

27 patent applications were published for the period from January 2019 to July 2020

Funded Projects

Rs. 1,00,65,585/- funded by DST -NRDMS, CVRDE , AICTE-MODROBS, ARDB etc., are being carried out on campus. To mention a few,

- 12 lakhs in total from AICTE for conducting conferences and FDP
- 33 lakhs from DST-NRDMS to the joint proposal submitted by Madras University Professor and our college faculty. Prof. Dr. Jaganathan, Madras University is the Principal Investigator, Prof.Dr.V.Thulasi Bai, ECE Department is Co-Principal Investigator, Ms.Rekha,Civil Department, and Ms. Jeraline Kirubavathy, ECE Department are Co-Investigators.
- 6.7 lakhs from AICTE for conducting FDP on The Role of Smart Materials in Digital Manufacturing and Fourth Industrial Revolution.
- 5 lakhs from AICTE for conducting 1st International Conference on Integration of Advanced Technologies – Industry 4.0
- 22 lakhs to Department of Aeronautical Engineering from Aeronautics R&D Board (ARDB)
- 19 lakhs to Department of IT from AICTE for setting up Skill and Personality Development Centre for SC/ST Students at KCG College of Technology.
- 7.2 lakhs from AICTE for MODROBS for Department of Mechanical Engineering
- 4 lakhs for ECE and 3 lakhs for EEE from AICTE for STTP project

- 6.3 lakhs from AICTE under Prerana Scheme for preparing SC/ST students for higher education
- 1.65 lakhs to Engineers Without Borders (EWB) the Implementation of Bio Toilets in Government Higher Secondary School, Perungudi
- 8lakhs from AICTE under RPS scheme to Department of EEE for the research project proposal titled "Design and implementation of cyber physical controller for optimal dispatch of virtual power plant".
- 7.5 lakhs under Samridhi Scheme for the project proposal “Entrepreneurship and



startups for SC/ST students” submitted by Dr. R. Lakshmipathy, Asst Prof, S&H department.

Training and Placement

Training Cell arranged training sessions on English language skills (BEC Vantage and VERSANT), soft skills, quantitative aptitude, analytical and logical reasoning, technical skills, interview skills and group dynamics.

Infosys Company-specific training program was given for final year eligible students.

Mock Interview was conducted by Virtusa on 27th September 2019 for all the eligible final year students.

Mr.Krithivasan, Recruiting Lead –India addressed the students on 30th September 2019 on How to Face HR Interviews.

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.

Events Organised

Celebrations at KCG

- Blessing Ceremony Function for newly constructed buildings for the departments of Fashion Technology and Automobile Engineering was conducted on 12th June 2019.
- Awareness Program on Handloom was conducted by Department of Fashion Technology on account of National Handloom Day on 7th August 2019.
- Independence Day was celebrated on the campus on 15th August 2019. The Principal hoisted the national flag. Literary Club conducted a debate competition and Quiz Club conducted a quiz competition. EWB-KCG Student Chapter organised a Tree Plantation

Drive.

- Zeppelin '19, interdepartmental cultural competition was held on 10th September 2019. 20 events were identified to celebrate 20 years of empowering youth. There were individual events like flash fiction, poetry writing, pencil sketching, fireless cooking, art from waste, show painting, classical dance, adapt tune, solo vocals, ship wreck, photography and PUB G. There were group events like adzap, step up, debate, battle of bands, quiz, rangoli, mime, street theatre.
- Dedication of 100 foot high tricolour flag during the birthday celebration of our beloved Chairperson Dr Elizabeth Verghese on 24th September 2019. 1000 tree saplings were planted under high dense forest scheme.
- A multipurpose auditorium in the name of Dr APJ Abdul Kalam, Former President of India, was inaugurated by Chairperson Dr Elizabeth Verghee and Mr A John Louis, District Collector Chengelpattu on 14th February 2020, Founder's Memorial Day. Mr JCD Prabhakar and Rev. Dr S Xavier Alphonse were the guests of honour.
- Dr A P J Abdul Kalam's birth anniversary was celebrated as Innovation Day, as directed by MHRD Innovation Cell on 15th October 2020. Competitions such as slogan writing, essay writing and poster presentation were conducted.
- National Unity Day, the birthday of Sardar Vallabhai Patel, was celebrated on 31st October 2019. Dr Prateep V Philip, DGP, Civil Supplies was the chief guest. First year students from Kashmir, U.P, Manipur, Bengal, Nepal and Bihar as panellists discussed the topic Unity in Diversity.
- Alumni Connect 2019 was held on 14th December 2019 and nearly 117 alumni attended the event. Mr Natwar Kadel, Head of Employee Relations, Hyundai was the chief guest.
- Christmas was celebrated on the campus on 21st December 2019. Dr. Joseph Dominic, Consultant Medical Oncologist, Dr Kamakshi Memorial Hospital & CSI Kalyani Hospital, Former Chairman, Catholic Charismatic Renewal, Chennai was the guest.
- Pongal festival was celebrated on 14th January 2020 and the campus was vibrant and colourful. Games were conducted for members of faculty.
- 71st Republic day was celebrated on 26th January 2020. The principal hoisted the tri-

colour flag and addressed the gathering.

- Stri-Women's Day 2020 was celebrated on 7th March. A series of competitions were organised for girls and women faculty. Ms Sangeeta Isvaran, celebrated dancer involved in many community projects for the marginalised sections of society was the chief guest.

Co-Curricular Activities

Symposia

- National Level Intercollegiate Technical Symposia were conducted by Department of IT on 13th July 2019; Department of Civil Engineering on 13th September 2019, Department of CSE, EEE and Mechanical on 10th January 2020.
- KCG Octane 1.0 - Auto Fest 2019 was organised on 6th July 2019.
- Centre for Automotive Research and Vehicle Engineering (CARVE) was inaugurated on 6th July 2019.

IIC Activities

- MHRD Leadership Talk Series 19-20- A webinar on "Innovation for Resurgent India by Honourable MHRD minister Dr. Ramesh Pokhriyal on 22nd August 2019 was attended by students.
- Ideation workshop on "Where do ideas come from?" by Institutions Innovation Council (IIC) was conducted on 26th September 2019.
- Motivational talk on Entrepreneurship was organised by IIC on 28th September 2019- Ms Suryasree Rao Chowdhury, entrepreneur and alumna of our college was the guest speaker.
- The Institutions Innovation Council (IIC) organized a field exposure visit to Pattikadu village near Tirukalkundram on 24th October 2019. The visit enabled our students to understand the process of rainwater harvesting practiced in the village.
- IIC organised a workshop on National Innovation and Start-up Policy on 19th December 2019.

Faculty Development Programmes

- AICTE Sponsored Two Weeks Faculty Development Programme on "The Role of Smart Materials in Digital Manufacturing and Fourth Industrial Revolution (Factories for Future)" was conducted by Department of Mechanical Engineering from 10th to 24th October 2019.
- A two-day faculty development program on "Critical thinking and verbal reasoning" was conducted for all the in house Quantitative Aptitude trainers on 6th and 7th November 2019.
- FDP on Teacher Adaptation for Effective Learning" (TAEL) was organised from 25th to 28th November 2019

Hackathons

- Grand Finale of National Level Virtusa Neural Hackathon was held on 27th and 28th November 2019.
- Two teams from our college participated in the Hackathon conducted by Infosys for students of CSE and IT on 8th January 2020. One of the teams won fourth place in the competition.
- An Internal Hackathon for SIH 2020 was held on 20th January 2020. A total of 52 ideas on various problem statements were received. 7 teams were shortlisted and they were given mentoring support on 21st January 2020.

Mini Project Challenge

An Intradepartmental Mini Project Challenge was organized on 28th Feb 2020, and witnessed a massive response from students of all programmes. More than 400 students participated in the Challenge, displaying 144 innovative projects, reflecting an impressive array of path-breaking ideas. It provided students an opportunity to interact with experts from industry and build on their existing knowledge.

Paper Presentation Competition

A paper presentation contest was held on 18th September 2019. The objective of the contest was to encourage independent learning beyond the curriculum by referring technical papers and to improve their presentation skills. More than 500 students actively participated in the

contest. A total of 146 presentations were made by students across departments. The presentations were judged by experts from industries who also gave the students their valuable feedback for improvement.

Seminars/ Workshops and Guest Lectures

117 seminars/ workshops, 36 guest lectures were conducted during the academic year 2019-2020. To mention a few,

- Department of Information Technology conducted CSI Sponsored Two Day Workshop on Block Chain Technologies and its Applications on 5th and 6th July 2019.
- Research Cell of the college conducted Industry Capability Connect Success Workshop on 12th and 13th July 2020.
- Department of Civil conducted a Seminar on Career Guidance on 12 July 2019.
- Department of Mechanical Engineering conducted a guest lecture on "Mechanical Engineers – Expectations of Industry on 22nd July 2019.
- Department of Aeronautical engineering conducted Dr. A.P.J. Abdul Kalam Memorial Seminar on Material for Aero Engine Applications on 27th July 2019.
- IETKCTECH organised a technical talk on “The Influence and Significance of Blockchain Technology on the Engineering” on 27th July 2019.
- Department of EEE, Mechanical and Automobile Engineering conducted a three day Skill Development Program (SDP) on Autonomous Vehicles from 1st to 3rd August 2019.
- Research Cell of the college organised an expert talk on Impactful Research on 4th September 2019.
- Department of Civil Engineering conducted a Workshop on Staad pro on 9th September 2019.
- ISTE Chapter of the college organised a guest lecture on Applications of Operations Research on 12th September 2019.
- Department of Civil Engineering conducted a guest lecture on Modern Surveying Equipment on 30th September 2019.

- Department of EEE conducted Student Solar Ambassador Workshop on 2nd October 2019.
- Research Cell organised a guest lecture on Funded Proposals on 3rd October 2019.
- Department of Civil Engineering organised a guest lecture on Geotechnical Investigations and Career opportunities in Civil Engineering on 3rd October 2019.
- Department of EEE conducted a Workshop on Embedded Systems on 15th October 2019.
- Department of Aeronautical engineering conducted seminars on “ Few Phenomena Associated with Study of Aerodynamics” and “Future Prospects for Aviation” on 15th October 2019.
- Department of EEE organised 3 Day Knowledge Enhancement Programme from 14th to 16th November 2019 on Numerical Relays – Transformer Protection
- Department of Civil Engineering conducted a workshop on Emerging Technologies in Civil Engineering (BIM) on 9th December 2019.

Orientation Programmes for faculty and students

- Orientation program for teachers on “Adolescents, Student Motivation & Counselling” by Ms Revathy, Student Counsellor of the college on 17th and 18th June 2019.
- Orientation Programme for first year management quota Students was conducted on 10th July 2019.
- Orientation Programme for first year students for students who joined through Anna University Counselling was conducted on 3rd August 2019.
- Orientation session on “Support for Entrepreneurial and Managerial development for MSME’s” held at MSME Development Institute, Guindy, Chennai was attended by Dr. R. Lakshmipathy, IEDC Coordinator on 22nd August 2019.

Campus visit by Delegates from Universities Abroad

- Dr Govindarajan Srimathveeravalli, Assistant Professor, University of Massachusetts, USA and alumnus of KCG, Department of Mechanical Engineering (1998-2002) delivered a lecture on Energy Based Cancer Therapy on 27th July 2019.

- Shanthi Rajan, Director- Institution Development, University of Stirling, UAE delivered a lecture emphasizing the importance of Social and Emotional Intelligence on 23rd August 2019.
- Delegates from Trier, University, Prof. Peter Koenig, Professor in Vehicle Dynamics and Prof. Karl Hofmann, visited the campus on 21st August 2019 and discussed the opportunities in German Universities and DAAD funding for Indian institutions.
- Dr S G Ponnambalam, Head of Manufacturing Engineering, University of Malaysia delivered a seminar on the topic "Impactful Research" on 4th September 2019.
- Dr Soodamani Ramalingam, Senior Lecturer & Programme Leader, University of Hertfordshire, U.K. visited the college on 4th October, 2019. She gave insights on the research works carried out at University of Hertfordshire.
- Mr.David Ward, Business Development Specialist, Lufthansa Technik Shannon Ltd. Aviation Training Academy, Ireland delivered a seminar on “Future prospects for Aviation” on 15th October, 2019.
- Prof. Jorg Oberfell and Prof. Daniel Gilgen from Trier University, Germany visited the campus on 12th December 2019 and interacted with the faculty members of Aeronautical Engineering, Fashion Technology, Automobile Engineering and Electrical and Electronics Engineering in their departments.
- Professors from Ottawa University and Harrisburg Universities visited the campus on 20th January 2020 and addressed the students on the scope and benefits of pursuing higher education in the USA.
- David Ward, Training Manager, Lufthansa Technik, Ireland visited the college and gave a lecture on “Future and Recent Trends in Aircraft Maintenance Engineering” to the students of Aeronautical and Mechanical Engineering on 3rd February, 2020
- Dr. Jayashri Ravishankar , Associate Professor in Energy systems ,Faculty of Engineering, University of New South Wales gave a talk on creative teaching learning pedagogies practised in University of New South Wales.

CSR Activities

- EWB chapter of the college conducted Clean Campus Drive on 17th July 2019.
- Engenius 2019, an inter-school technical and cultural event was held on 27th August 2017. Nearly two thousand students from 38 schools participated. The main objectives of the event were to spark the innovative spirit among students, and help them understand the crucial role played by engineers in the development of the world as we know it today.
- EWB Chapter of the College conducted Blood Donation Camp in collaboration with Dhanavandri Blood Bank & Research Centre, run by Sri. Mahalakshmi Charitable Health Trust, T. Nagar, Chennai on 9th August 2019.
- 3rd Dr. KCG Verghese Memorial Invitational Interschool Chess Tournament Programme was conducted on 31st August 2019.
- Empowering differently abled, a programme for students from the school for Muscular Dystrophy was organised by NSS Unit of the college on 6th September 2019.
- Students of NSS Unit of the college celebrated the children's day with children with muscular dystrophy.
- The members of Y Service Club of the college distributed raincoats to the children at Panchayat Union Primary School, Karapakkam.
- Registered in the Unnat Bharat Abhiyan (UBA), a National Program by MHRD to adopt villages as a part of CSR. The villages adopted were Irumbedu, Acharavakkam, Puliur, Pulikundram and Echoor. Following were the initiatives for the academic year 2019-2020:
 - Rotaract Club of the college organised a First Aid Awareness programme at Pulikundram village on 7th December 2019.
 - EWB chapter organised a computer literacy training programme for school children in Echoor village on 7th December 2019.
 - NSS Unit dedicated a stage for the government school at Puliur on 7th December 2019.
 - IIC members demonstrated the use of innovative technologies in farming for farmers of Acharavakkam village on 7th December 2019.

- Y's Service Club conducted a Skill Development Programme for Women at Irumbedu Village on on 7th December 2019.
- Dr KCG Verghese Charitable Trust sponsored for 500 raincoats distributed by YMC of Mylapore and its sponsored clubs hosted by Ys Service Club of the college on 8th November 2019. The raincoats were distributed during the Regional Director's visit in the presence of the patron and advisor HRM Ysm Anand Jacob Verghese.
- NSS Unit of the college organised a rally to spread awareness amongst the public to reduce and replace plastic on 20th December 2019. Nearly 1,000 students and 250 staff members of the college participated in the rally. Dr R Pratap Kumar, State Information Commissioner, Tamilnadu inaugurated the rally. Dr T G Srinivvasan, Health Education Officer, Chennai Corporation and Mr T Sugumar, Zonal Officer, Zone 15, Sholinganallur were the guests of honour. Cloth bags designed and stitched by students of Fashion Technology Programme were distributed to the public.
- 10 lakh rupees donated by the management for constructing a separate block with smart classrooms in Government School, Kelambakkam on 14th February 2020.

Staff and Student Wellness Programmes

- Awareness Program on Substance Abuse by Dr VinayakVijaya Kumar, MD (Psychiatry), Consultant at Voluntary Health Services (VHS) Chennai on 5th July 2019.
- Motivational talk to students on "Path way to Success" by student Counsellor on 3rd August 2019.
- World Mental Health Day was observed on our campus on 17th October 2019 on the theme suicide prevention. Poster-making, Face-Painting, Talk Show and Short Film competitions were conducted on the theme and the winners were awarded with cash prizes. An educational session on Mental Health and Suicide Prevention was arranged. Mr Ilango, a volunteer from SNEHA Suicide Prevention Centre spoke on the need to identify the symptoms of stress and depression and accordingly help the victims come out of their sufferings.
- Anti-Ragging Awareness Program by Mr A.X. Alexander – Former DGP of Tamil

Nadu (Retd. IPS Officer)

- Staff Wellness Program on Breast Cancer by Dr Jegan, Medical Oncologist, CANCARE Foundation, Apollo Hospital and Kumaran Hospital was organised on 29th October 2019.

Club Activities

- KCG Toastmasters Club- Demo meeting- 27th July 2019.
- KCG Women's Coding Club conducted KCG Women's Coding Contest "Code N Chaos" on 28th September 2019.
- Robotics Club- Guest Lecture by Mr Vinay, Axis Global Automation Co. on 28th September 2019
- Civil Service Club – Guest lecture by Mr Ram Brahas, Faculty in Ganesh IAS Academy on 25th January 2020
- Mobile Apps Club – Guest lecture by Mr. Nagarjun, Developer, Fresh digital on 25th January 2020
- IoT Club- Workshop by Mr. Shriji, DIYA Labs on 25th January 2020
- Boot Camp Club- Training on " How to assemble FDM 3D printer "by Mr. Aathith, Vipra 3D on 25th January 2020
- Sports Club - Guest lecture by Mr.Hayden Rhodes, Head Coach for Team India, Stand Up Paddle.
- Programming Club- Workshop on "Artificial Intelligence and Machine Learning using H2O in Python" by Mr Lokesh Kumar, Senior Data Analyst, Verizon.
- Literary Club organised 3 workshops- Public Speaking by Gautam Deori Group Manager, HCL Technologies on 2nd November 2019; Journalistic Writing by Thomas Manuel, Freelance Journalist on 25th January 2020 and Fiction Writing by John Jeyakumar, author of the fiction book ' Rise of the Cholas' on 22nd February 2020.
- Math Club- Workshops on "Introduction to Aptitude" on 22nd January 2020 and "Fun with Mathematics" on 25th January 2020 by G. Vinodh Kumar, Founder, Tech Visible
- KCG Toastmasters Club and KCG Youthmasters Club obtained President Distinguished Status by securing 9 points out of 10.



Our activities during Phase I Lockdown- Converting Challenges into Opportunities

Teaching- Learning and Assessment Online

KCG made it a point to remain connected with students and faculty through technology during the precarious COVID 19 times. It resolved to keep them engaged constructively by encouraging them to involve in remote teaching-learning, update knowledge through webinars and online courses, participate in online competitions.

- During lockdown 1.0 itself faculty resorted to online teaching by adopting tools that include Google Classroom, Edmodo and G-Meet. Online assessments were also conducted.
- During subsequent phases of lockdown, series of webinars were conducted to orient teachers towards making online/ remote teaching effective. They were:
- Orientation on MS Teams to faculty by experts from Hindustan Institute of Technology and Science, Chennai
- Demo session on MS Teams by personnel from MS Teams
- Review on material preparation conducted the senior administrators Principal, Dean, Associate Dean and IQAC coordinator
- Five day FDP on using MS Teams to all faculty by in-house team
- Webinars on creating and editing videos by Dr Yogendra Pal, Director, ET Mantra eLearning Solutions
- Faculty undertook MOOC courses on career development, online teaching- learning and core areas that are offered by Coursera, Alison Mathworks, rhyme, TATA Steel, MHRD and AICTE. Faculty members attended Webinars and FDPs on their topics of interest and specialisation and obtained certificates.
- Technical sessions were arranged for students to keep them connected and be abreast of recent trends in Engineering and Technology.

Students were also encouraged to do online courses offered by Coursera, AWS and AICTE courses on preparing for job interview.

Webinar Series

Expert talks through webinars by alumni, industry personnel and foreign nationals were arranged for the students to keep them abreast of the changing trends. They were also given space to learn at their pace by listening to podcast series of TCS experts at TCS Campus Commune Portal.

- ✓ Webinars and Online Panel Discussions -38
- ✓ Digital Alumni Series- 11
- ✓ Digital Knowledge Series-11
- ✓ Digital Industry Series-13
- ✓ Digital International Series- 3

Build to Learn Workshops

- Website/Web Apps Development workshop to build websites and web application using java script and external services was conducted from 18th to 22nd May 2020.
- Mobile App Development workshop on building and deploying applications on Android phones using MIP app inventor was conducted from 7th to 9th April 2020.

Virtual Mode Knowledge Sharing for CPD

- Conducted AICTE sponsored Virtual International Conference on Integration of advanced Technologies for Industry 4.0 on 12th and 13th June 2020.
- Seven day workshop through Rotaract Club of KCG in association with 5 other clubs of Rotaract International District 3232.

Knowledge Transfer to Teaching Fraternity and Student Community

- Dr Annie Jacob, Director was one of the panelists in online panel discussion on the topic “What are the right parameters for college selection amidst Covid pandemic?” hosted by Collegedunia Connect on 29th April 2020.
- A Toast to CEO(s) with Dr Annie Jacob- An interview to The Carbon paper by our Director on how the education sectors are trying to pivot during these tough times.

<https://www.youtube.com/watch?v=UTcPPmEwBI0&feature=youtu.be>

- Dr Anita Manuel, Dean-Student Affairs has served as a resource person for two webinars on English Language Teaching and also as one of the panelists in the online panel discussion organised by IIT PALS.
- Prof. R R Elangovan, Professor and Head, Aerospace Engineering served as a resource person for 13 webinars organised by different professional associations and institutions.
- Dr Asad Ahmed R, Associate Professor-Aeronautical Engineering has presented two webinars on the topics "Evolution of Aviation" and Implication of new strategies of Global Higher Education Sector- COVID 19.
- Dr R Jaya, Associate Professor of English, served as a resource person for an online Refresher Course for Teachers on "Professional Ethics for Teachers". She was also a resource person for 3 faculty development programmes on online and remote teaching. She in collaboration with Dr Revathy Viswanathan, a freelance ELT consultant, offered a four week online course on "Remote Teaching using Gamification Strategies".
- Dr Amrutha, Associate Professor- Physics served as a resource person for the webinar organised by DMI Loyola Engineering College
- Dr Banureka, HOD-Fashion Technology served as a resource person for four webinars which include AICTE sponsored STTP on Advances in Apparel Manufacturing Technology conducted by Department of Fashion Technology of Sona College of Technology, Salem
- Ms Revathy, Student Counsellor, was the resource person for a FDP on "Cheer up! Gear up!" for the teachers of Hindustan International Schools- Guindy, Padur and Karapakkam and the teachers of KCG College of Technology.
- Dr Anita Manuel, Dean SA and Dr R Jaya, Associate Professor of English conducted a four day training programme on Communication Skills for final year students of the college.
- Dr. Kavitha Balamurugan, HOD-ECE served as a judge for the project expo "GYAN DISHA 2020" organised by HITS Padur

Training Sessions on Virtual Mode

- **Pre-placement training** on Reasoning and Quantitative Aptitude for students with 0-3 arrears by Dr N Vanathi, Head-Training Cell
- **Hexaware Solutions Placement Drive**
 - ✓ Aptitude Training by Dr N Vanathi, S&H
 - ✓ Soft Skills Training by Dr R Jaya, S&H
 - ✓ Domain Specific Training
 - CSE- Ms Keerthana SM, Minu Susan Jacob
 - EEE- Ms.Ammal Dhanalakshmi M, Ms.Jitha Varghese,
Ms.Shanmuga Priya M, Ms.Brindha Sakthi, Dr.Gayatri Devi R,
Ms.Femina M A, Mr.Arvin Tony A, Ms.Suganya A V,
Mr.Prabhuraj S, Mr.Gowtham S, Ms.Gayathri R
 - ECE- Dr.Kavitha Balamurugan, Dr.Clement Raj, Mr Thomas Leonid,
Ms Neethu Anna Issac
- **Virtusa Training** for CSE students by Ms Keerthana SM
- Ms.Minu Susan Jacob of CSE conducted training for students of CSE under **Infosys Campus Connect Programme**.
- **British Council English Language Practice Tests** was administered and follow up sessions were conducted for all eligible students for placement.
- **Cracking GATE**

GATE Coaching was given to interested students of second and third year Aeronautical Engineering
- GATE Technical Comprehension by Dr.Clement Raj, Ms.Jaraline Kirubavathy, Dr.Kavitha Balamurugan, M. Mohamed Yaseen, Dr. Jose Anand, Mr.Sadasivam S and Ms.Neethu Anna Issac
- **Cracking Interviews**
 - ✓ Dr. I R Praveen Joe, Associate Professor-CSE, conducted training on ‘Interview Skills’ for pre-final year students.
 - ✓ Dr N Vanathi, Head- Training organised a three sessions on ‘Interview skills



and LSRW” conducted by Strides.

- ✓ Mr C R Pavan Kashyap, Placement Officer, conducted a session on ‘Resume Writing’ for 2023 batch students

➤ **Skill Development Training**

Civil

- Presentation Skill for II & III year Students from 22nd to 30th June 2020
- Infytq Training for II & III year Students from 22nd to 30th June 2020

Automobile

- Introduction to Motorsports Activities for II year students on 22nd and 23rd June 2020
- KCG – BOSCH joined certification course on “Automotive Electrical” for II year students on 25th and 26th June 2020.
- KCG – BOSCH joined certification course on “Gasoline Fuel Injection” for II year students on 29th June 2020.

CSE

Conducted the following for II year students from 22nd to 26th June 2020

- Programming Fundamentals – Variables, Operators, Decision Constructs, Iteration Constructs, Implicit and Explicit Type Conversions
- Data Types and Collections, Functions, Selection and Iteration Control Structures
- 3 Modules, Libraries, Packages and Files, Exception Handling
- OOPs with Python 5 Algorithms and Data Structures

Conducted the following for III year students from 22nd to 30th June 2020

- Programming in C
- Object Oriented Programming with C++
- Object Oriented Programming with Java
- Python Programming

Fashion Technology

Conducted the following for II year students from 22nd to 24th June 2020

- TUKAcad 22.06.2020 - 24.06.2020
- AR/VR (Offered by CSE)
- InfyTQ(Offered by IT)

Information Technology

- InfyTQ Training for II year students from 22nd to 30th June 2020
- Website Creation for II year students from 22nd to 26th June 2020

Aeronautical Engineering

- Drone/UAV Design and analysis for II year students from 22nd to 26th June 2020
- Fixed wing Aircrafts Design and Analysis for III year students from 22nd to 30th June 2020

ECE

- Infy TQ Training for II year students from 22nd to 30th June 2020
- Face Preparatory Test for III year students from 22nd to 25th June 2020
- Hands on Experience in “ OptNet Simulation Software” for III year students on 26th June 2020
- Webinar on “ Low Power Digital VLSI Design for III year students on 29th June 2020

EIE

Conducted the following for II year students

- PLC Programming on 22nd, 24th, 26th & 30th June 2020
- Virtual Lab on 23rd & 25th June 2020
- Bosch Training on 22nd,23rd,25th and 26th June 2020

Conducted the following for III year students

- PLC Programming on 22nd, 24th, 26th & 30th June 2020
- Virtual Lab on 23rd and 25th June 2020
- Presentation Skills on 27th June 2020

Conducted the following for III year students

- PLC Programming on 22nd, 24th, 26th & 30th June 2020
- Presentation Skills on 27th June 2020

Placement on Virtual mode- Companies conducted Drives

- Airbus
- Belcan Aerospace
- Byjus
- Hack with Infy
- Harphil Software Solutions
- Hexaware Solutions
- Kaar Technologies
- InfyTQ
- Maximi Technologies
- Virtusa Campus Hiring
- Zuci Systems
- Ziegler Aerospace
- Zoho Corporations

COVID Relief Measures

- Mr K Balasubramaniyan, a first-year Mechanical student developed an automatic, portable and affordable ventilation unit based on the inputs given by doctors. (<https://www.youtube.com/watch?v=NwWA-AJ1bNg>).
- Mr Lekhraj Kashyap and Mr Rudraksh Chandra Mukut, final year Computer Science & Engineering students developed a website (<https://covid19live.today/>) to provide live reports of the current situation.
- Mr Puviraj of 3rd year CSE department created an awareness video on COVID 19

which has been highly appreciated by government officials and media. Link to video: <https://www.youtube.com/watch?v=NxH8r6mrOZs>

- Mr Bishruti Gope, III CSE created an animated video using Java script to create awareness on the importance of staying safe and health during pandemic.
- 3D printed face shield and N 95 face mask were distributed to the villagers in the neighbourhood. The face shields were made up of bio degradable material – PLA (Poly Lactic Acid) and could also be used by doctors and health workers. The masks fabricated with two materials P-LA as well as flexible polymer -could be reused as it contained a replaceable filter.
- Senthil Madhavan of final year Mechanical Engineering has developed a social distance gauging sensor that can be worn like an identity card. It alerts when the social distance norm is violated.
- As Covid relief measures, 1000 kg of rice was handed over for distribution to the villagers of Karapakkam; 100 safety kits were distributed to the officials in police stations, electricity board and panchayat office in the nearby villages.
- KCG faculty and students participated in the Virtual Choir “Heal the World” organised on Founder’s Day.

Faculty Achievements

Awards

- NRDC National Meritorious Award -2019 with cash prize of 3 lakhs - Dr. G Mohamed Zakriya, AP-FT
- NPTEL Enthusiast Star Award 2019. Dr. T. Mothilal, HoD, Automobile Engineering
- Dewang Mehta National Awards - Best Professor in Electrical Engineering Studies Award - Dr T Anuradha, Professor and Head- EEE
- Inspire-Infosys Campus Connect faculty award 2019 - Bronze Level- Dr. Balaji A and Mr. Minu Susan Thomas, faculty CSE.
- Best Research Paper Award in an international conference organised by Chandigarh University to Mr Venkatramanan, AP- Aeronautical Engineering.

- KCG Aeronautical Faculty team has got selected for the final round of Forge Corona Innovation Challenge.
- Dr T Mothilal, Department of Automobile Engineering received the NPTEL Enthusiast Star award & Received Elite Category certificates for various NPTEL courses
- Dr. M Krishnamurthy has acquired 60+ Certification from Coursera, ATAL, Elsevier Research Academy certifications and many more during the lockdown period.
- Mrs.Sylvia Grace J, AP CSE, received the Best Young Researcher Award 2019 for research in the field of Green Computing by ESN Awards.
- Mrs.Sylvia Grace J, AP CSE, received the Teacher Innovation Award 2019 for innovation in teaching.
- Under the guidance of Dr Thulasi Bai, Professor ECE three candidates were awarded doctoral degree.

App Development

Mr Narasimhan, Assistant Professor Mathematics along with Mr Muzammil Sait, student of II IT have developed an application "Simha's Classes" for Mathematics courses in Engineering curriculum, providing access to previous year question papers and descriptive and visual solutions.

Books Published

- Dr. Jose Anand, Associate Professor ECE has written a book titled ' VLSI Design published by 4e Vijay Nicole imprints Private Limited, Chennai.
- Dr .V. Vandhana Devi, Professor and Head, Civil Engineering has written a book 'Air pollution and Control Engineering' published by Magnus Publications.
- Ms. V. Sherin, Assistant Professor, Civil Engineering has written a book "Engineering Geology" published by Charulatha Publications.
- Ms. V. Sherin, , Assistant Professor, Civil Engineering has written a book "Strength of Materials", Volume II published by Yes Dee Publishing Pvt Ltd.

Continuous Professional Development

- Dr. Deepa Jose, Associate Professor/ECE and Ms. B. Rammya, Assistant Professor/EIE presented a research paper in an International Conference at London, UK. They received grant of Rs. 1,10,333/- under AICTE-Travel Grant Scheme.
- Dr. Jose Anand, Dr. Mohamad Zakriya, Ms. BrindhaSakthi and Dr. R. Lakshmipathy attended the Innovation Ambassador Training Series organized by MHRD

Students' Achievements

Co-Curricular Activities

- KCG team received Smart India Hackathon (SIH) 2019 Hardware Award and a cash prize of Rs.1 lakh at CISCO, Chandigarh, Punjab on 11th July 2019.
- Siraj Al Ahmed, Final year Electrical and Electronics Engineering Department attended a two-week International Summer program at University of Nottingham, Malaysia Campus from 3rd July to 16th July, 2019.
- KCG Aeronautical students received Best Man - Machine Interaction Award 2019 in International Aerial Robotics Competition (Asia-Pacific Venue) held on August 24th and 25th 2019 in China.
- Team Techastic of KCG won the 2nd prize in the Maker Fair Track worth \$500 for their project "Sensor Based Urban Waste Water Management" in IEEEYESIST12, an event held at the Hua-Hin Campus of Stamford International University, Thailand from 7th September to 8th September of 2019.
- INFERNO RACING TEAM (Go-Kart) and INFERNO SPYRO (E-Kart) took part in the third season of Bharath Formula Karting powered by CADD Technologies held in Kari Motor Sports, Coimbatore from 10th of September to 13th September 2019. Team INFERNO RACING won the overall championship in the 160cc category. The team received Rs. 75,000 for winning the overall championship in the 160cc category, Rs. 5000 for securing third in endurance and five thousand for securing first in aesthetics. In addition to this, the team was awarded with cash vouchers worth seventy five thousand.

- KCG students won prizes under 3 categories in Hackathon and Prototype building Competition conducted by HITS & CAG on 13th and 14th December, 2019.
 - ⚡ Best Problem Addressed -Winners - EEE Team - Theme - Energy conservation
 - ⚡ Best Business Potential - Runner up - EEE & CSE Team - Theme - Electricity Governance
 - ⚡ Engourgement Award for Innovative Idea - Winners - EEE Team- Renewable Energy
- Karan Sanjeevi Nair of I CSE delivered a talk “Docker in Day to Day Dev’s Life” as a part of the group of Facebook Developer Circle, Chennai at VIT, Chennai on 11th January 2020. His speech to elite audience comprising CEOs, techies from industry and academia focused on the advantages of using Jekyll to MYSQL.
- KCG Students won first prize in PALS innoWAH Innovation Challenge competition on the theme “Engineering a Healthy World” held at IITM, Research Park.
- KCG Team comprising students from EEE and IT won third place in the Brakes India Hackathon conducted on 7th February 2020.
- Mr J Hexin Joseph, Mr K Gokulakrishnan and Eben David of final Year Mechanical Engineering; Mr Ruban Ford and Mr Siddarth of third year Mechanical Engineering and Ms Shobika of II ECE won second prize for their project titled “Agrobots in Tomato Farms” in the Project Competition – VISAI 2020 organised by Veltech, Avadi on 24th and 25th February 2020. They were awarded a cash prize of Rs 7500.
- Mr Mohankumar of final year Mechanical Engineering won first prize in paper presentation competition, an event in FLIGHT 20 organised by MIT, Chennai on 28th and 29th February 2020.
- KCG Team comprising students form Mechanical Engineering and ECE, mentored by Vignesh Kumar, Assistant Professor- Mechanical Engineering, won first prize for their project titled “Design and Fabrication of Mango Seed Decorticator” in a project challenge organised by Tagore Engineering College on 6th March 2020.
- Third year students of Aeronautical Engineering, Mr Vyas Jatin Kumar and Mr Ravi Kumar won 2nd prize in air crash investigation and Mr Mohan Kumar and Mr Vishak

got 1st prize in paper presentation contest in technical symposium organised by Tagore Engineering College 6th March 2020.

- In the project expo competition conducted by Tagore Engineering College 6th March 2020 , Mr Lingeswaran, Mr Gowtham, Mr Ajin of III ECE won first prize and Mr Bharanidharan, Mr Madesh and Mr Abhishek of III ECE won the third prize.
- Two apps were developed by the students of ECE. One, “Brain Death Certification” by Ajay Krishna, R Kothai and the other “ Organ Donation App” by S Arun Kumar , D Logesh and B Mageshwaran for Mohan Foundation (NGO to promote ethical organ donation & transplantation). Dr Kavitha Balamurugan, HoD-ECE was the mentor.
- Mr V Mohan Kumar of final year Aeronautical Engineering participated in online Hackathon Covid 19 conducted by DIU, Bangladesh. He has won first prize in Aircraft Design Contest.
- MS Bhavadharshini M of III CSE A and Ramyaa S of II CSE-B have received a badge called "Bot Aspirant" from Automation Anywhere for the successful completion of 11 modules on Robotic Process Automation.
- Ms Irene Michelle, II ECE completed 52 online courses during lockdown.
- Ms Elakya of III CSE has completed 17 online courses during lockdown
- More than 150 first year students registered for various courses in Coursera
- Sneharaj V of I CSE has received 20 Coursera certifications
- Malathy Nagaraj of I IT has received 90 certifications in various courses including Coursera and AWS
- Anu S, Thirupthikaa Bibin Jino of I Aerospace have received 20 certifications each in various courses including Coursera
- Ms N Gayathri, Ms Jemima Patricia Franklin and Ms V Githanjali of III Civil received Best Paper Award for the paper presented in National Conference on Urban Resilience to Climatic Change.
- Muzammil Sait A of III IT won first prize in Rejin Paul Poster Contest.
- The project titled Earlier Detection of Corona by Muzammil Zait A, Logith Kumar B and Shruthi V Seethalakshmi of second year was shortlisted for online Hackathon for Combating COVID-19 crisis by the Daffodil International University (DIU).

- CSE team of the college won the runner up title in the Smart India Hackathon 2020 held from 1st to 3rd August 2020. The team received a special mention as “Team with Flawless Execution of Ideas”.
- The students of Aeronautical and Aerospace Engineering won the International Astronomy and Astrophysics Competition. Ms Asha Karthikeyan, Mr Suraj Kumar Ram of II Aerospace and Mr Vishwesh Mahalingam of III Aeronautical Engineering received Silver Honour. Mr Alex T Biju, Ms Debadatta Dey of II Aerospace and Mr. Abishek H, Sasidharan E of Aeronautical Engineering of III Aeronautical Engineering receive Bronze Honour.

Extra-Curricular Activities

- Ms Roshini G of I CSE won first place in Essay Writing, Mr R. Thanuj of I Automobile Engineering won first place in Poster Presentation and Mr I Shyam Kumar of II Mechanical Engineering won first place in Slogan Writing Competition conducted by IIC.
- Ms E Ramya, I ECE won the first prize in poster making contest, Mr M Sakthivel and Ms Jeeva of I CSE won the second and third prize respectively in the contests conducted to create awareness on voting rights.
- Achyut N and Dhandapani of II ECE have won second runner up title in the quiz competition conducted by Bharat Electronics Limited
- Anoop and Mithun of I year Batch 7 participated in E-cart and each of them won a cash prize of Rs. 5000
- Shreyank and Nikunj of I year Batch 8; Pakshaal K.Jain of I year Batch 4 won Second prize in Math Stroll held at St. Joseph's College of Technology.
- Armishal Khasain, Chidambaram A L of final year Civil Engineering have won first place in paper presentation event organized by Sathyabama Institute of Science and Technology, Chennai and Easwari Engineering College, Chennai respectively
- Armishal Khasain of final year Civil Engineering has won First Place in Quiz competition organised by Chennai institute of Technology and first place in poster presentation competition organised by St. Joseph's College of Technology.



- Arun Kumar, Chidambaram A L of final year Civil Engineering have won First Place in Built the Brick competition organised by Chennai institute of Technology
- J. Munnodi of I EEE represented Tamilnadu in the 9th National Vovinam Championship organised by Assam Vovinam Association held at BhogeswariPhukanani Indoor Stadium Guwathi, Assam from 1st to 5th July 2019 and won the Silver medal.
- KCG College of Technology Targetball team represented Senior State Targetball Championship at Chennai and won the Runners up title.
- J. Munnodi of I EEE won first place in 2nd State Level Under 21 Silambam Championship, first place in the competition organised by Indian Martial Arts Dhuronachariyar Karate Silambam Yoga Academy and first place in 13th State level Silambam & Kungfu Competition 2020 in Sparring in senior category.
- KCG NCC Cadets won Overall Championship-Second place in the Cado Fest organised by Sir Theyagaraya College on 22nd & 23rd February 2020. The cadets won first place in Contingent Drill, Contingent Drill Best PC, Guard of Honour, Best GC, Flag Area, Best MC, GK and GSK. They won second positions in BC and Kolna Johlna.
- The college dance team Immortalz won first place in group dance and solo dance in the dance competition conducted by ITM Business School Manaquest 2020. They also won the overall championship trophy. The team won first prize in group dance in Hindostav 2020- an intercollegiate competition conducted by Hindustan College of Arts and Science.
- Our students bagged first prizes in Group Dance, Solo Singing and Solo dance in the cultural fest organised by Institute of Management and Technology (ITM), Siruseri. They won the Overall Championship Trophy for non-technical events.
- KCG Dance Team 'Immortalz' got first prize in the cultural fest organised by Hindustan College of Arts and Science on 20th February 2020. The team won first place in Pecofest-2020 conducted by Pondicherry Engineering College, Pondicherry
- Ms Jahnavi (IT), Mr Dharshan (Automobile), Mr Arjun, Mr Joshua David and Jonadab of ECE represented KCG Music Band and got II place in Battle of Bands, an event in



SRM Culturals-Milan. The team won a cash award of Rs. 5000 in ICAT Culturals, Santhome.

- KCG Music Team got First place in Music Band event organised by Vels University and won a cash prize of Rs 20000. Ms Jahnavi has got an opportunity to sing for the Vels production movies.
- The college Music Band won first prize in ICAT Cultural Miraki 2020.

Conclusion

At KCG Campus, there is always an unwavering commitment to student learning and abiding pride in the institution among members of the community. The college has enjoyed tremendous growth and success over the past 21 years, amidst significant changes and challenges. We express our heartfelt gratitude to our management, all our students, parents, teachers, support staff and well-wishers of our institute whose constant support and guidance has helped maintain high standard of education and discipline in our campus. We take this opportunity to rededicate ourselves to do our best to serve the nation through quality education.