KCG COLLEGE OF TECHNOLOGY
KARAPAKKAM, CHENNAI 600 097

23rd College Day -5th June 2021
Principal's College Day Speech

Respected chief guest of the day, Mr Babu Ramachandran, Chairperson- Hindustan Group of Institutions, CEO and Director Hindustan Group of Institutions, Director- KCG College of Technology, Dean- Student Affairs, HoDs, Staff and students, Good morning to all.

At the outset, I welcome you all to the 23rd College day of our institution. I deem it a great privilege to introduce our chief guest, Mr Babu Ramachandran, Director Supplier Quality India-Alstom.

Mr Babu Ramachandran is a senior management professional, who stands for principles and thrives on challenges. He has a track record of leadership of business critical and complex programs. Transformational Leadership is his credential and he is known for transforming concepts to strategies and driving execution to realization. He is versatile at 'start-up' to 'scale-up' scenarios at green/ brown-field and have been instrumental in creating vision, driving the mission, setting the objectives and executing them successfully. A successful youth motivator, an avid Ideator and Problem-solver interested to work on real-time & real-life problems, Mr Babu Ramachandran is a befitting guest for this college day function.

Ladies and gentlemen, college day is an occasion to look back and rejoice at our accomplishments, cherish the fond memories, introspect on our shortcomings and resolve to become a better version of ourselves in the forthcoming years.

Today everything around us has changed dramatically and teaching-learning has become completely remote. Almost a year has passed since the closure of educational institutions due to the pandemic and when I look back, the way we have handled the new normal way of education is really amazing. I am really proud of my staff and students who adapted quickly to the challenging times not just to cope with the situation but also to win. I am also thankful to the management for the support extended to make it possible.

The pandemic has taken it is toll on all of us, especially the energetic teens staying indoors. We have left no stone unturned to keep our young minds active, healthy and constructive during this adverse circumstance. With all pride, I present the annual report listing down our activities and accomplishments for the period from July 2020 to May 2021. I am sure, after listening to the report you all will agree with me that there has been no compromise on our focus on providing holistic education even during this challenging time.

New Initiatives

I place on record that this academic year we have added yet another feather to our cap. We have started offering a new programme, Artificial Intelligence and Data Structures.

An online marketing brand, Seigai, was launched by the students of Department of Fashion Technology. As a token of respect and honour, the income generated was donated to COVID frontline warriors

Y's Youth Club of KCG College was inaugurated on 9th October 2020.

Russian language Class was inaugurated and a MoU was signed with Russian House on 12th May 2021. Mr Gennadii A Rogalev, Deputy Representative of Rossotrodnichestvo in India, Director of the Russian Centre of Science and Culture, Chennai was the guest speaker.

Korean Language Classes Commenced and MoU signed with Korean Cultural Center in India on 13th April 2021.

Rankings and Recognitions

Our excellent infrastructure and quality teaching have enabled us to secure top positions among the engineering colleges in India. We are

- Ranked 45 among Private Engineering Colleges – South Zone; 85 among Private Engineering Colleges- India, 110 among all Engineering Colleges including Government Colleges in the survey conducted by The Week.
- Ranked 16th among the Top 100 Tech enabled T Schools – India; 9th among all the Private Institutes – India and 5th in the South Zone in Dataquest Survey 2020.
- Ranked one among top 25 colleges and categorized as "Band A" institution in category of 'Private or Self-finance Colleges' in ATAL Ranking of Institutions on Innovation Achievement (ARIIA) 2020.
- Ranked one among top 25 colleges and categorized as "Band A" institution in category of 'Private or Self-finance Colleges' in ATAL Ranking of Institutions on Innovation Achievement (ARIIA) 2020.
- Ranked among Top 20 Private Engineering Institutes by Times
- Ranked 10th in Tamilnadu and 21st among all India Private Engineering Colleges by Education World.
- Ranked 8th among All India Level Engineering Colleges including Government & Private, 18th among Private Engineering Colleges and 10th among the Engineering Colleges in South Zone.
- Recognized as Shining Nodal Centre by Virtual labs
- Recognized as Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC) Institution by Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India.

- Recognised as the "Most Innovative Technology College in Tamilnadu" in Nation's Education Pride Awards 2021.
- Recognised as "The Emerging College for Fashion Technology Studies" in Fashion and Business Awards 20-21.
- Recognized as Host Institute to setup and establish Business Incubator for implementation of the scheme "Support for Entrepreneurial and Managerial Development of MSMEs through Incubator" by MSME, New Delhi.
- The college has received AICTE Distinguished Chair Professor. The Distinguished Chair Professor allotted is Dr. Manohar Lal Munjal from Indian Institute of Science (IISc) Bengaluru who will share his expertise with faculty and students through interactions and lectures.

Awards and Accolades

Our institution, members of the management, departments, and clubs have received awards and accolades from authorized bodies for their contribution towards technical education and societal development. To mention a few, we have received

- The college has won the National Award for EEE & Civil Engineering and their Allied courses.
- KCG College of Technology has been awarded Indian Achievers Award for Excellence in Education.
- The college has received AICTE Distinguished Chair Professor. The Distinguished Chair Professor allotted is Dr. Manohar Lal Munjal from Indian Institute of Science (IISc) Bengaluru who will share his expertise with faculty and students through interactions and lectures.
- Our CEO and Director, Dr Anand Jacob Verghese is appointed as Governing Board Member of The Council of EU Chambers of Commerce in India. He has also been elected to serve as Y's Men International Council Member elect from 1st July 2021 to 30th June 2022 and thereafter as Y's Men International Council Member from 1st July 2022 to 30th June 2024.
- Our CEO and Director has received an award from International Chamber for Service Industry in the 7th Global Education and Skill Virtual Summit for his outstanding contribution to the community.
- Department of Automobile Engineering has become the member of Automotive Component Manufacturers Association of India. Rotaract Club of the college was recognised for being A Pillar of Support and was awarded during the Annual District Rotaract Conference 20-21
- YSC of Chennai Karapakkam has received two Appreciation Awards under the categories Extension and Special Projects in the Ys Men International – Madras District Conference at Hotel Hablis on 24th April 2021.

Remote Teaching – Learning- Successful Planning and Execution

Change has taken place in all aspects, including our perceptions, in this new normal. In the past 22 reports of our college day we have never highlighted our teaching- learning process as we had always considered it a regular and integral part of our system. But, this year, in this new normal, teaching-learning has become an extraordinary one, a point worth mentioning.

When the pandemic outbreak started and when the government announced tentative closure of educational institutions, with all foresightedness our teachers started delivering lessons through Google Classroom and Edmodo. With the extension of lockdown and likelihood of reopening of educational institutions was considered remote, going completely online was the only viable situation which required lot of proper planning and preparation. We realized the need to ascertain the availability of necessary infrastructure among faculty and students, identify a Learning Management System (LMS), develop familiarity about the LMS among students and faculty and design suitable e- materials.

- A survey was administered on teachers and students to find out the feasility of conducting forthcoming semester classes online. The analysis of the responses revealed that both the teachers and students possessed required internet connectivity and device.
- MS Teams was chosen as the learning management system considering its suitability for teaching and assessment.
- Orientation on MS Teams to faculty by experts from Hindustan Institute of Technology and Science, Chennai was given.
- Demo session on MS Teams by personnel from MS Teams was organized
- Five day FDP on using MS Teams to all faculty by in-house team was provided
- Webinars on creating and editing videos by Dr Yogendra Pal, Director, ET Mantra eLearning Solutions were arranged.
- Demo session on conducting virtual lab was arranged.
- Review on material preparation was by conducted the senior administrators Principal, Dean, Associate Dean and IQAC coordinator.
- Orientation on MS Teams to students by department faculty

These initiatives helped us to conduct lessons and internal assessment tests on theory and practical courses effectively.

MOUs Signed

We have been signing MoUs with leading industries and institutes that guide our students for job placement and higher education. This year we signed MoU with

- My Assessment
- Exerter Premedia Services
- National Centre for Coastal Research (NCCR)
- M/s. Thanuja's Exim
- Tesla Minds Chennai
- FLEXOL Packaging (India) Limited, A subsidiary of TVS Logistics Services Limited

- Sand Bird Team
- Inforce Engineering Solutions
- Russian House
- Korean Cultural Center

Our Research Contributions

64 research scholars are pursuing PhD in Anna University approved Nodal Research Centre of the college.

A total of 14 members of faculty have completed PhD this academic year and among them 5 completed from KCG Research Center.

70 research papers were published by members of faculty in International Scopus indexed journals.

A total of 7 patents have been granted during the academic year. The details of the patents awarded are as follows:

- Dr Motilal T, Professor and Head, Automobile Engineering for the invention titled "An Approach to Heterogeneous Multi Design Based Floor Planning Aware with Thermal Power Delivery".
- Dr Motilal T, Professor and Head, Automobile Engineering and Dr K Karthikeyan, Associate Professor and Head Department of EIE for the invention titled "Design and Development of a Smart Suite for Assisting Pregnant Women".
- Dr K Karthikeyan, HoD- EIE for the invention titled "Electric Vehicle Charge Management and Monitoring System based on IOT".
- Dr Dhanalakshmi R, Professor-CSE and Dr I R Praveen Joe, Associate Professor-CSE for their invention titled "Profile Based Digitalization of Medical Records in Cloud".
- Dr S Sankar, Professor-CSE for the invention titled "Aqua Life: A Compact Device Extracting Drinkable Water from Sea Water".
- Dr M Kannan for the invention titled "Method and Composition for Reducing Emissions from a Compression Ignition Engine and Enhancing Performance",

Projects and consultancy works worth Rs. 2,980,955/- funded by professional bodies and industries are being carried out on campus. To mention a few,

- Department of ECE has received Rs.15,56,955/- through Research Promotion Scheme. For the project titled "Design and Implementation of VLSI Chip for Security Against Side Channel Attacks for IoT Systems".
- Department of IT has received a fund of Rs. 2,91,000/- under the Short-Term Training Program Scheme for the STTP on "Block Chain and Artificial intelligence for Security and Primary Challenges".
- Department of EEE has received a fund of Rs. 4,42,000/- under the Faculty Development Program Scheme for conducting a FDP on "Trends & Challanges in EV Echosystem".

- Department of CSE and ECE, have received a fund of Rs 93,000 each under AICTE-ATAL FDP Scheme for conducting a FDP on Block Chain.
- Department of FT has received a consultancy project worth 3.7 lakhs from Flexol Packaging Limited for the project "Active and Sustainable Packaging Business Solution for Mangoes".
- Department of FT has received a consultancy project worth 1.35 lakhs on "Planning a project proposal and process manual for a garment start up" from Thanuja Exim LTD.
- Department of EIE has got a 3.25 lakh Consultancy Project titled 'Power Converter Development for Electrocoagulation' from Zero Discharge Technologies, Coimbatore.

Training and Placement

98% of our eligible students have been placed in reputed companies so far and the recruitment process is still in progress. A few companies that conducted drives on virtual mode this pandemic are 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, Sutherland, QSpiders, Ziegler Aerospace and many others. A few placement accomplishments are:

Satyam Tiwari of 2021 Batch, CSE Department, who has already got an offer from TCS in the Ninja Category has now got TCS Digital Offer, based on an upgradation exam, with a sizable rise in his CTC.

Shrijith of III CSE has got placed as Junior Research Engineer Trainee with 'Claritrics' Research and Development Team (BUDDI.AI). He will undergo an internship for a period of 4 months initially and will be paid a stipend of ₹18,000/- per month.. It will be followed by the full time offer for 9 LPA

During pandemic, the training sessions are being conducted online and a few of them are:

- Pre-placement training on Reasoning and Quantitative Aptitude for students with 0-3 arrears
- Aptitude Training , Soft Skills Training and Domain Specific Training for Hexaware Solutions Placement Drive
- Training for Virtusa Campus Placement
- Training under the aegis of Infosys Campus Connect Programme.
- British Council English Language Practice Tests
- Sessions on How to Crack Interviews

Events Organised

Celebrations @KCG

We continue to celebrate all important events, national days and festivals on virtual mode during pandemic also. Founder's Day, Teachers' Day, Chairperson's Birthday, Indian Air Force Day and Christmas were celebrated online.

- Founder's birthday was commemorated through virtual mode on 20th June 2020. KCG faculty and students participated in the Virtual Choir "Heal the World". Poor children and destitute were served food on the occasion. Video link : https://youtu.be/uaIiri6WjyM
- Commemorating Dr APJ Abdul Kalam Memorial Day, on 27th July 2020, Department of Aeronautical Engineering organized a webinar on ' Remembering Kalam" by Padmashri R M Vasagam, Former Director ISRO and Former VC, Anna University
- 74th Independence Day was celebrated on the campus on 15th August 2020. The Principal hoisted the National Flag and delivered the Independence Day address. Saplings were also planted on the campus.
- Onam was celebrated on the college campus on 29th August 2020.
- Teachers Day was celebrated on 5th September 2020 online. Mr Sathya Kumar, Trainer, Tycoon Academy gave a special lecture on "National Education Policy 2020". A Panel Discussion on "Managing Generation Z" was also a part of the programme. Video link: https://www.youtube.com/watch?v=woE9otKgkBI
- A Webinar on "Future of Drones in Farming" was organized by Department of Aeronautical Engineering in association with Aeronautical Society of India, Chennai Branch on 8th October 2020 on account of Indian Air Force Day. Video link: https://www.youtube.com/watch?v=Q4DjgGXymFo
- Birthday of our beloved chairperson, Dr Elizabeth Verghese was celebrated in virtual mode. 5500 poor children, destitute and senior citizens in old age homes were fed on the occasion of Chairperson's birthday.
- World Mental Health Day was observed on 10 October 2020. Dr Yamini Kannappan, Consultant Psychiartist, Kauvery Hospital was the chief guest. Video link: https://www.youtube.com/watch?v=mTRXr0sVYso
- Y's Mens Club of KCG College Youth in association with Y's Service Club of Chennai Karapakkam celebrated Diwali with the children of Annai Fathima Child Welfare Centre, Sholinganallur, Chennai on 12th November 2020.
- YSC of Chennai Karapakkam and YMC of KCG College Youth celebrated Christmas with children in Annai Fatima Orphanage, Karappakkam and HIV Born Girl Children of ARK Service Society, Thoraipakkam on 23rd December 2020.
- Pongal, the harvest festival, was celebrated on the campus on 13th January 2021. The celebration witnessed lot of fun and games.
- Dr P Deivasundari, in the capacity as Associate Dean, unfurls the National Flag on the campus on the occasion of the 72nd Republic Day.

- International Women's Day was celebrated on 6th March 2021 on virtual mode. Department of Fashion Technology organised a Tie and Dye Workshop. Dr Annie Jacob, Director, KCG College of Technology moderated a fireside Chat with Ms Asha Mathen, Director, IIFL Wealth & Investment Management. A panel discussion "Straight from a Mother's Heart on Achieving Equal Future: Aspirations and Concerns for our Daughters" was held. Dr Anita Manuel, Dean Student Affairs moderated the session.
- Office of Student Affairs conducted Azadi Ka Amrit Mahotsav, an Awareness Campaign on Tamilnadu Election 2021.
- A webinar on Intellectual Property Rights (IPRs), International Filing procedures, Policies and IP laws was conducted on the occasion of World Intellectual Property Day on 26th April 2021. Mr Gadiraju Murali Krishana Raju, Advocate and Law Advisory on Technology Laws-IPR was the resource person.
- The college in association with Russian House in Chennai and Valles Marineris International, India organised a webinar- Russian-Indian Space Exploration Projects: the Review of the Past and Thoughts for Future Dedicated to the 60th anniversary of Yuri Gagarin's First Flight into Space

Virtual Alumni Meet

Alumni from different walks of life and from different parts of the world like US, UK, Australia, and Singapore met online on 24th January 2021. Nominations for alumni excellence awards had been invited for achievements in different categories like Professional (Private & Govt. sectors), Academia & Research, Arts & Media, Community Service, Defence, Entrepreneurship and Sports. 111 nominations were received. A distinguished external panel selected the final winners. Twenty seven alumni achievers were awarded Distinguished Alumni Award and Young Alumni Achiever Award. Five alumni were honoured for their year-long engagement with their Alma Mater and for their efforts to make the Alumni Meet a success. It was announced that a grant of ten lakhs as pre-seed funding for alumni start-ups will be given.

Pitch Fest-Lift Off '21

Pitch Fest - Lift Off '21 is an initiative to identify and encourage aspiring entrepreneurs on the portals of KCG. It was conducted exclusively for the alumni and final year students of the college. There were 44 registrations in total and among them 7 reached the finals. Following are the teams and their ideas.

1. PALFTEC (Mechanical & Fashion Technology, IV year students): The plant leaves post agriculture harvests are dumped. The machine which the team has fabricated is a one stop tool which extracts and processes the fibres from this waste. These fibres can be used to create multi-purpose antimicrobial fabric.

2. VAYU-RATHA (Aeronautical IV year students) : This is a service based and product based enterprise. The idea is to offer basic and advanced technological education about drones and UAV. The team seek to build Nano, Micro and Macro drones.

3. CDL SOFTWARE SOLUTIONS PVT LTD (Aero Batch 2011): The main idea of From Farm_AI solution is to connect farmers [Sellers] and consumers[Buyers] by replacing the third-party vendors or traders. One USP is the addition of AI to create a more effective and will be completely different from other e commerce sites.

4. SANDBIRD (Mechanical Batch - 2018, 2019): Sand Bird is a smart electric semi-automated power tiller. That offers 10x lower operational cost with minimum manual intervention. This will be a boon to Indian farmers

5. SPACE ZEE (EIE Batch 2017): This is an edtech start up. Instead of the video based model used by others in the field, this start up offers to connect each student to a mentor and proposes a Build 2 Learn model of learning

6. MANDEC (Mechanical Batch 2020): The main theme of the project is to separate the mango kernel from the mango shell either in pulverized or in original state by using a decortications mechanism for extraction of oil for various applications mainly cosmetics

7. SNAG MOZHI SOLUTIONS PVT LTD (Mechanical Batch 2017): Snag Mozhi Solutions Pvt. Ltd is a service-based language and digital solution start-up. It offers its wide range of services like contextual subtitling, translation, video editing, voice over and various content and Digital marketing services

The order of ranking for the top three team was: 1. SANDBIRD   2. SPACE ZEE 3.SNAGMOZHI SOLUTIONS

Ideathon Competition

"Ideathon 21", an event to help young talents generate fresh solutions to existing challenges, was conducted by Office of Students Affairs on 1st May 2021. Idea presentations were made on the five domains **-** Green Technology, Assistive Technology, Pervasive Computing, Home Automation, and Future Aviation and Space Exploration- identified. The details of the winners are:

*Green Technology***:**

- The first place was shared by two teams Smart Trolley for Commercial Purpose and Solar Beach Cleaning Vehicle. Team Leaders – Rudi Joe Allen, Mechanical Dept and Vinay Nagar, Mechanical Dept respectively.

- The second prize to Green Cover that aimed to protect crops from unseasonal or heavy rainfall. Team Leader – Parvathy S, ECE Dept.
- The third prize to Water Hyacinth Napkins that demonstrated how water hyacinth stalks can be used to make biodegradable sanitary napkins. Team Leader – Swetha T, FT Dept.

Assistive Technology:

- The first place was secured by Smart Sentry, a gadget for women that would sense an impending attack and raise alarm. Team Leader – Nanthine T, ECE Dept.
- The second prize was won by Mindify Me, an app to track the mental health of people. Team Leader – Jahnavi K, IT Dept.
- The third prize went to Voice for Dumb that sought to convert gestures into sound to facilitate conversation between someone who is dumb with a person who does not know sign language. Team Leader – Vijaylakshmi R, EIE Dept.

Pervasive Computing:

- The first place was secured by CropMax Irrigation which sought to help farmers by giving them access to data that would help them identify crop diseases, solutions and other information. Team leader – Sneha T, ECE Dept.
- The second prize went to Forest Fire Monitoring and Detection System that sought to give early warning of forest fires. Team Leader – Mathi Yuvarajan, EEE Dept.
- The third prize was awarded E Voting using Block Chain that aimed at enabling citizens to cast their vote from the safety of their homes. Team Leader – Shrijith D, CSE Dept.

Home Automation:

- The first place was awarded to Energy Optimizer using Automation. Team Leader – Suraj D, EEE Dept.
- The second prize went to Home Automation using Arduino which provided a cost-effective means of automating space. Team Leader – Yokesh Krishnan, IT Dept.
- The third prize went to Compact Automatic Sterlization Machine which could sterilize small gadgets like phone, keys, and wallet. Team Leader – Y Hayma Varshine EEE Dept.

Future Aviation and Space Exploration:

- The first prize was awarded to Satellite Data Transmission via IOT and Cloud. Team Leader – KR Dhanush, Mechatronics Dept.
- The second prize went to Solar Powered Density Device to measure Density of Fuel. Team Leader – Aaron Peter, EEE Dept.
- The third prize went to Spitzer, a device that could be attached to telescopes to help the common man navigate the galaxy. Team Leader – Achyut N, ECE Dept.

Virtual Tours

PALS Virtual Industrial Visit to L&T Hydrocarbon Division, Vadodara and the central focus was on Project Management.

Virtual Campus Tour was arranged for first year students of class 2020.

Orientation Programme for faculty and students

The academic year for first year students commenced with orientation programmes online.

- Orientation Programme for first year management quota Students was conducted on 24th August 2020.
- Orientation Programme for first year students for students who joined through Anna University Counselling was conducted on 2nd November 2020. Dr Sivakumar M Srinivasan, Professor, Department of Applied Mechanics IIT,M was the chief guest.
- Orientation Programme- Get to Know KCG Club on 7th November 2020.
- Induction Program for I-B.E/ B.Tech students was conducted online from 4th November to 6th November 2020.
- Department of Mechanical Engineering arranged an Orientation Programme on Industry Certified Skill based Training, a 30-day training, for final year Mechanical Engineering students on 31st March 2021. The orientation was given by personnel from Mahindra Pride School.

Training and Workshops

We lay strong focus on imparting holistic education and therefore organize symposia, special lectures to keep our students abreast of recent trends in Engineering and Technology. We also encourage our students to participate in technical contests like hackathons, project challenges and paper presentations.

During pandemic we provided skill development training, organized workshops and also encouraged students to participate in online contests.

Skill Development Training was given to students across departments. The details are as follows:

Civil

- Presentation Skills 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 IIIyear 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 " Opt Net 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

Build to Learn Workshops were organized online which included

- ➢ Game Development workshop to build simple web based games using java script was conducted from 6th to 9th July 2020.
- ➢ 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.

Online paper presentation contest was conducted by Office of Student Affairs.

Seminars/ Workshops and Guest Lectures

The idea of establishing connectedness with experts across borders online was capitalised rightly by the institution during this pandemic. Notable alumni, experts from industry and academia who are from India and abroad made webinar presentations on recent trends in engineering and technology. We organized

- ✓ 22Digital Alumni Series
- ✓ 63 Digital Industry Series
- ✓ 10 Digital International Series
- ✓ 11 Digital Student Empowerment Programme Series
- ✓ 39 Digital Value Added Programmes
- ✓ 03 Topper's Talk
- ✓ 02 Voice of the Start-ups Series
- ✓ 01 KCG Leadership Excellence Series
- ✓ Staff and Student Wellness Programmes

Digital Alumni Series

Resource Person	Topic
Mr Gowri Shankar S, Msc, Aerospace System Design, University of Bristol, UK	"Aeronautical and Mechanical CAD" on 16th April 2020
Mr R Rajkumar, Asst. Prof CSE, SRM IST, Kattankulathur	" AI for IoT Applications" 0n 24th April 2020

Mr B Dinesh (2016 Batch) pursuing Master of Science in Space Engineering, Politecnio Di Milano, Italy	"Introduction to Open Foam for CFD Analysis" on 3rd May 2020
Ms Hemamalini (2010 Batch), Technical Lead, Inspirisys Solutions Limited	"Big Data & Text Analytics" on 6th May 2020
Ms Viswa Vijayakumar (2017 Batch), Intern- MBSE Leading Indicator Prototype, AirBus, Toulouse, France	"Emerging Trends in Aerospace Engineering" on 8th May 2020
Mr Adam Gilchrist (2011 Batch), Data Scientist, Smart Mind Inc, Seoul, Republic of South Korea	"Artificial Intelligence in Engineering Applications" on 9th May 2020
Mr Johnson Mathew,(2009 Batch), Deputy General Manager- AIRBLAST`	"Advanced Trends in Surface Treatment Solutions" on 12th May 2020
Dr Ferdin Joe John Joseph (2009 Batch) Lecturer Data Science and Analytics, Faculty of Information Technology, Thai-Nichi Institute of Technology, Bangkok	"Newbies Approach to Blockchain Technology" on 23rd May 2020
Mr Prem Shankarr (Batch 2008), Director Micromen, Founder-Quickquotes; Ms Gayathri T (Batch 2009) MCC-DE & CGC, Salem, Govt. of India; Mr Gowrishankar (Batch 2010), Foundr – SpaceNXT; Mr Arun & Mr Aravind (Batch 2011), Reality Show Organisers	"Different Paths to Success" on 24th May 2020
Mr Maharaj MA (Batch 2012), Experience Designer at Microsoft	"All about being a UI/UX Designer" on 25th May 2020
Ms Suba Deve S (Batch 2018) & Naveen Kumar S (Batch 2019), Engineers- Vestas Technology R & D	"Wind Basics and Overview of Wind Resource Assessment" on 30th May 2020
Ms Maria Valentina (Batch 2015), Michigan State University, Michigan, US	"Quick Guide to Masters" on 4th June 2020
Dr Pandiyarasan Veluswamy, (Alumni 2004-2008 batch ECE) DST INSPIRE faculty	'Challenges and Opportunities of Emerging Technology for VLSI' on 8th June 2020
Ms Somasree Roychowdhury, (PhD) IITM (KCG Alumna 2011 Batch), Research Scholar, Thermodynamics and Combustion lab, Department of Mechanical Engineering, Indian Institute of Technology, Chennai	"Computational Fluid Dynamics - The Answer to What, Why and How!" on 10th June 2020
Dr A Thirugnanam (KCG Alumnus 2003 Batch), Associate Professor and Head Department of Biotechnology & Medical Engineering, National Institute of Technology Rourkela, Odisha	Biomedical Engineering - Prospectus and Opportunities" on 11th June 2020

Ms Soupa Soundarajan (Batch 2010), Digital Marketing Manager, Citi Bank	" Importance of Management Principles" on 13th June 2020
Mr Sakthivel Velumani, Research Engineer, Eurecom (France); Subhashrahul Shekhar, ASIC Design Engineer, Delphi Technologies (USA) and Sheelapriya Thiyagarajan, Embedded Software Engineer, Aptiv (USA)	Panel Discussion on "Career Experiences " was held on 27th June 2020
Mr B Prassanna Kumar (TANCET- State Third Rank Holder) and Ms D Sowmya (GATE & ANNA University Rank Holder)	"Study Hacks to Crack Competitive Exams for PG Courses in India" on 27th June 2020
Ms S Nandhini (Batch 2016), Senior Engineer, L&T Construction	"Wastewater Reclamation: The Need of the Hour" on 29th June 2020
Ms N Hemamalini (Batch 2010), Technical Lead, Inspirus Solutions	"Power and Future of AI" on 31st December 2020
Mr. K SureshKrishna, 2019 Mechanical Batch, Co-Founder- Dot and Dash Engineering, Datascience Intern, Learnbay (IBM)	"Expectations of Industry and Empowering with Knowledge" on 7th January 2021
Mr Backia Gautam, AIR 178 -CAPF	How to Prepare for UPSC Exams" on 21st February 2021.

Digital Industry Series

Resource Person	Topic
Dr K K Raman, Partner, Management Consulting, KPMG; Mr Nana Vijayanagaram, Associate Director, Business Excellence, KPMG and Mr Vishal Singh, Manager, KPMG	"Lean Six Sigma and Competency Enhancement" on 29th April 2020
Dr Sudarshan, Group Manager, ABB	"Levers of Digital Industry" on 5th May 2020
Krithivasan, Manager, Lead Campus Recruiter (India)	"Impact of COVID on the Career of Engineering" on 7th May 2020
Subbian Seetharaman, Vice-President, Wind & Solar Engineering and Cost Optimisation	Wind Vs Engineering – An Overview on 8th May 2020
Radhakrishnan Anantha, Executive Vice President, CEO & MD, Infosys BPM LTD	Authentic Leadership in Uncertain Times on 14th May 2020
Charles Godwin, HR Leader, ZOHO Public Speaker	Chase your Dream on 15th May 2020

Sathya Sundar, Consultant IP Matters, Robert Bosch Engineering and Bussiness Solutions	Intellectual Property Awarness & Pathenting Inventions on 16th May 2020
Shyam Sundar Ramaswami, Lead Security and Threat Researcher, CISCO	Being a Digital Detective on 21st May 2020
Goushalya Kothai Nachiar, Practice Head – Analytics & Web Development - AMTEX	Roadmap for an Aspiring Data Scientist on 22nd May 2020
Mr. Deenu - Deputy Engineer, Delphi TVS.	Advances in Internal Combustion Engines and after Treatment Technologies on 22nd May 2020
Maran Nagarajan, Founder & CEO, KAAR Technologies	Student to Professional, What does it take? On 20th May 2020
Kumar Vembu, Founder & CEO - GOFRUGAL	Lucky to be a student – make the most of it on 26th May 2020
Mr. Prajoy Janardhanan, Assistant Manager and Mr. Srinivasan, Senior Engineer - Renault Nissan Technology & Business Center India Pvt. Ltd.	Overview of Chassis Parts for Passenger / Commercial Vehicles on 26th May 2020
Mr. Muhilan, Senior Associate Engineer, Caterpillar.	Engine Calibration - Introduction to Mechanical Diesel Pump Calibration on 28th May 2020
Eliza Punnoose, Principal Associate, Capital One, Chicago, USA	Cryptography : Introduction to Data Security on 29th May 2020
Panelists are Ms. Deepa Prabhakaran - Infosys, Ms. Hema Mani - Lennox, Ms. Hema Mohandas - Virtusa and Dr. Gayathri - KONE Elevator. Ms. Kanchan Khedkar - HCL Technology is the moderator of the panel discussion.	Reimagining the Pandemic: Women in Management & Challenges on 30th May 2020
Mr. Saurabh D. Belsare, Senior Engineer - HVAC Testing & Simulation, Fiat Chrysler Automobiles - FCA.	Air Conditioning in Automobiles on 30th May 2020
Mr. Shabarinath Premlal , Founder & CEO ResPro Labs	"Machine Learning in Engineering" on 1st June 2020
Dr. Dharmalingam, Former Director & Head - NPC, Director - Ensave Consultancy & Training Pvt. Ltd.	"Energy Auditing and Employment Opportunities" on 1st June 2020
Mr Anbuselvan Subraman, Manager Chief Safety, Michelin (I) Pvt. Ltd.	"Relay Coordination and ARC Flash Study at Industries" on 2nd June 2020

Mr. Aditya Patel. International Race Car Driver, Founder of X1 Racing League and Ultimate	"Opportunities inside the World of Motorsport" on 3rd June 2020
Mr. Arun & Aravind - Twin Heart Entertainments, Casting Directors & Reality Show Organisees - Vijay TV and Ms. Sri Devi - Celebrity Stylist on " Promising Careers in Fashion Technology "	"Promising Careers in Fashion Technology" on 16th June 2020
Mr. V. Felix Swamidoss - Research Scholar, Anna University on " Fuel Cell in Automobiles"	"Fuel Cells in Automobiles" on 5th May 2020
Mr. Shivaramakrishnan Kumar, Project Lead, Johnson Electric Pvt. Ltd.	"Sustainable Manufacturing in Industry 4.0" on 6th June 2020
Mr K M Krishna Hariharan, Program Analyst, CTS	"Career Path after UG" on 6th June 2020
Mr V Vijay Karthik, Lead Technical Support Specialist, GE T&D India Ltd.	"Opportunities in Electrical Industry post COVID Scenario" on 6th June 2020
Mr S Selvakumar, Head- Engineering & Design, M/S Power Projects	"Introduction to Trending Electrical Design Software" on 8th June 2020
Mr Dilip Kumar, Deputy Manager, Product Manager, Rane Brake Linings	"Key Organizational Activities - Explanation through TQM Practices" on 8th June 2020
Ms Yamini Shekar, Freelance Fashion Designer; Akshitha Vasuki, Designer ANVESHANA Clothing; and Rudhra Venugopal, Managing Director, Maliboo	"Promising Careers in Fashion Technology" on 9th June 2020
Mr Vijay Ram, Divisional Manager CFD at Ashok Leyland	"Application of CFD for Automobile Engineering" on 10th June 2020
Mr Aravind Ramachandran, Senior Manager, Business Development, Marketing and Sales, MTLAB Technology Centre (P) Ltd.	"Smart Factory Automation with Digital Twin And Live Demonstration on Skill365" on 10th June 2020
Mr S Balaji, Sr. Advanced Avionics System Engineer, Honeywell Technologies, Bangalore	"Practical Applications of AI and ML" on 11th June 2020
Dr Ramakrishna Pasumarthy, Associate Professor –EEE, IIT Madras	"Modelling Origins in Science" on 11th June 2020
Mr Ashwin Seshadri, Group Technical Manager, HCL Technologies	"Data Analytics in Bio Medicine" on 12th June 2020
Mr Joshua Abraham Thomas, Systems Engineer ETA – Cloud Infosys	"Introduction to Programming Concepts and Current Trends in IT" on 13th June 2020
Mrs Senthamarai Selvam, Senior Principal Scientist-Retd., CSIO (Central Scientific Instruments Organization) CSIR	"Basics of Communication and Networks" on 15th June 2020

Mr. Subhopati Sanyal, COO - The Nistula Group and Mr. Sivakumar Veerappan - Founder and CEO -Anubavam Technologies Pvt. Ltd	"Future Challenges, Personality Development through Sahaja Yoga Meditation" on 15th June 2020
Dr. D Dinakaran Professor and Head Centre for Automation and Robotics, Hindustan Institute of Technology and Science	"Robotics -Trends and Applications" on 15th June 2020
Mr V Krishnamoorthi, Principal Engineer, Aero structures Group, Collins Aerospace, Bangalore	"Bionics in Aircraft Structures" on 17th June 2020.
Mr S Chandravel Vice President Rossell Techsys, Bangalore	"Embedded systems for Aerospace, Electronics and Instrumentation Applications" on 18th June 2020.
Dr. Sanjay Vidhyadharan - Wing Commander (Retd.), Indian Air Force and Visiting Faculty, BITS, Hyderabad Campus	Low Power Digital VLSI Design on 29th June 2020
Mr. C. Soundara Rajan - Certified Energy Auditor and Mr. K. Praveen - Energy Asset Manager, UVK Susnomics Engineering Pvt Ltd (India, UAE, USA)	"Energy and Water Conservation through IOT in Hotels and Industries" on 1st July 2020.
Dr G Ramesh, Dean, GCEM Bangalore	"Emerging Technologies and Applications of UAV" on 10th July 2020
Mr Sivva Kannan, Cyber Security Specialist, Accenture Chennai	"Cloud Computing" on 29th August 2020
Dr P Dharmalingam, Former Director & Head NPC, Director, EnSave Consultancy and Training Pvt.Ltd.	"Fuels And Combustion" on 19th September 2020.
Mr. T. Mathevan Pillai, Associate Professor, Hindustan Institute of Technology & Science (HITS), Former Deputy General Manager, Neyveli Lignite Corporation Ltd (NLC)	"Boiler & its performance" on 3rd October 2020
Dr. Manoj Gupta, Associate Professor Department of Mechanical Engineering KCG College of Technology	"Introduction to Vibrations" on 3rd October 2020.
Dr S Ganesan, Scientist G and Group Director GTRE	"Trends in Gas Turbines Engine Technologies" on 9th October 2020
Mr K Viswanathan, Associate Professor, HITS	"5S Implementation in Work" on 10th October 2020

Dr U S Paul Russel, Sr. Asst. General Manager, Air India	"Modern Avionics and Air Safety" on 15th October 2020
Mr. Gavini Venkata Subba Rao, Consultant Indigo Airlines	"Introduction to Engines fitted on Airbus A320 Aircraft" on 19th October 2020
Mr Anand, Senior Project Engineer, IPCS Automation	"Industry 4.0" on 28th November 2020
Mr Prakash, JUKI, Bengaluru	Industrial Engineering" on 9th December 2020
Mr B Saifudeen, Ex-IM Shipping Services, Coimbatore	"Apparel Merchandising and Export Documentation" on 9th December 2020
Ms Sanu Sara Thampy, Freelance Retail Trainer	"Launching an Apparel Brand-the Basics" on 10th December 2020
Ms Sangeetha Vinothkumar, Technical Associate, AIC-NIFTTEA - Incubation Center for Textiles and Apparel	"Advances in Knit Wear Technology and Fashion Designing" on 12th December 2020
Mr J Srinivasan, Energy Consultant, Energy Efficiency Services Ltd. (EESL), Ministry of Power, Govt. of India	"Energy Perspectives and Energy Conservation" on 14th Dec 2020.
Mr Kannav Arora, Managing Director, Print Perfection of India, New Delhi	"Trends in Textile Printing" on 22nd December 2020
Nisha Nujumudeen, Assistant Professor (Economics, HITS) - Miss India International Kerala 2019(1st Runner Up) - Top UPSC Faculty (Unacademy)	The versatility of the Fashion Field on 9th January 2021
Dr C Prakash, Director, Indian Institute of Handloom Technology, Ministry of Textiles, Govt. of India, Fulia, Nadia, West Bengal	"Career Opportunities in the Government Sector – Versatility of Fashion Field" on 23rd February 2021
Dr Ebenezer Chellasamy Edwin Head - Kodaikanal Solar Observatory, Indian Institute of Astrophysics	"Mysteries of the Universe Known or Unknown" on 28th February 2021
Ms Kalaiselvi V T, Technology Officer, All India Institute of Speech and Hearing, Mysuru	In Assistive Technology" on 13th March 2021
Mr K Venkataraj, Deputy Director General, SAEINDIA, Chennai	"Sneak Peek into Artificial Intelligence in Automotive Industry on 24th March 2021
Mr Jones Peterson, Senior Project Manager, Sirahu Technologies.	"Software Testing" on 31st March 2021

Digital International Series

Resource Person	Topic
Dr Peter Baumli, Industrialist and Associate Professor in Material Science Engineering, University of Miskolc (UM), Hungary	"Nano Technology and its Applications in Various Fields" on 11th May 2020.
Mrs Andrea Mc Leod, Victoria University, New Zealand, Dr Suriya Priya R, NUS Singapore, Ms Stephanie Ashby, Harriot Watt University, UK	Implications and New Strategies of the Global Higher Education Sector on 22nd May 2020.
Dr Shounak Chakraborty, Department of Computer Science, Norwegian University of Science and Technology, Norway	"Modern Computing Energy Vs Performance" on 25th May 2020
Dr. K. Jayaraman, Visiting Professor METU, Ankara, Turkey	"Rocket Principles & Propulsion systems" on 12th June 2020
Mr Vijay Pravin Maharajan, Data Story Teller | TEDx Speaker | '40 under 40 Data Scientists' Awardee in India | Content Creator | Customer & Analytics Solutions Expert, Siemens, Germany	'Insights on Data Science for Engineers' on 13th June 2020
Mr. Arun Karuppasamy, Chief Technical Advisor, KBR Consulting, United Kingdom	Design Thinking & Applied Engineering in Aerospace" on 19th June 2020.
Mr.Roger Hunter, Program Manager, NASA, USA	"NASA Small Satellites and Future Missions" on 20th July 2020
Dr. Gurupakaran Sivalingam, Head Research and development, Kambyan Network, Malaysia	"Future of Drones" on 8th October 2020
Dr. Arun Balakrishnan, Engine Calibration Engineer, John Deere Power Systems, Iowa, USA	"Combustion Fundamentals and Propulsion Systems" on 17th October 2020
Mr.Kevin Roger A ,Buying and Merchandising Manager, Global Fashion UK Ltd.	"Buying and Merchandising" on 12th December 2020

Digital Student Empowerment Series

Resource Person	Topic
Mr. Subhopati Sanyal, COO - The Nistula Group and Mr. Sivakumar Veerappan - Founder and CEO -Anubavam Technologies Pvt. Ltd	"Future Challenges, Personality Development through Sahaja Yoga Meditation" on 15th June 2020
Dr Shiva Prakash Srinivasan, Child, Adolescent, Adult Psychiatrist, SCARF	"Don't Worry, Be Happy: Dealing with Stress and Anxiety" on 29th June 2020
Ms Narmadha Arjun, Psychologist and Coach	"Maintaining Focus, Fuelling Performance" on 25th July 2020
Ms Swapna Sundar, Lawyer, Author and Ethicis	Prevention of Sexual Harassment (POSH) on 10th October 2020

Mr. Yuvaraj Ragunath Singh, JCI certified Soft skill trainer, Professor & Head, Department of Microbiology, M.G.R. College, Hosur	"Managing Exam Stress" on 28th November 2020
Mr. Srivas Anantharaman, Founder - First feet and Taste studio	"My story" on 31st December 2020
Ms Deepa Gangadharan, Happiness and Life Coach, Speaker co-Lead, Campus to Career CII IWN	Goal Setting and Attainment on 31st March 2021
Ammu J IRS, Assistant Commissioner of Income Tax	"Effective Strategies to Crack UPSC Exam" on 3rd April 2021
Ms Savitha Sriram, Coordinator, SCARF-cities, Rise Youth Project	Coping with Stress on 5th April 2021
Ms Jacqueling Gun Chin Hun, Senior Lecturer, Sunway University	Overcoming Phubbing & Building Interpersonal Skills on 9th April 2021
Mr George Koshi, AGM-Head of Learning & Development, Hyundai Motor India Limited	Critical Thinking on 10th April 2021

Value Added Programmes

Department of Aeronautical Engineering

- ✓ General Design aspects of STUDENTSAT by Mr. Krishnaswami, Project Manager-NISAT on 30th November 2020.
- ✓ General design aspects of Satellite by Mr. Arunachalam, Ex -Project Director ISRO, Bangalore on 30th November 2020.
- ✓ Drone Pilot Operations by Mr. Tamilarsan, Managing Director, Aerotics Technologies on 30th November 2020.
- ✓ "Nano Satellite" by Mr. T.S Sundar Moorthy, Deputy Director Mission Kalpana Satellite, ISRO, Bangalore on 1st December 2020
- ✓ "Drone, Flapping Wing Airworthiness & Certification" by Mr Mahadeva, Channegowda Project Manager-Airbus-Germany on 1st December 2020.
- ✓ "Design aspects of CUBESAT" by Mr. Pratik - RILE Mumbai on 2nd December 2020
- ✓ "General Design aspects of UAV" by Dr Ramesh, Ex Group Director NAL on 3rd December 2020.
- ✓ "How to build and launch their own satellites" by Ms. Caius M. Reza, Business Development, Alba Orbital Scotland on 3rd December 2020.
- ✓ "Applications of Drone in COVID19" by Mr Peter Charles MD, Garuda Drones on 3rd December 2020.
- ✓ "UAV Design and applications" by Mr Dinesh, UCAL Chennai on 3rd December 2020.
- ✓ IRNSS-GPS version of India, Mr. Soma Perumal, Project Director, IRNSS, ISTRAC, Bangalore on 4th December 2020.
- ✓ Fixed, Rotary and Flapping Wing-MAVs, Mr Satyanarayana Murthy Head UAV-NAL Bangalore on 4th December 2020.

- ✓ General Design Aspects by Dr Vijay Sahadevan, GKN Aerospace UK on 7th December 2020.
- ✓ Design of Sea Plane Amphibian by Dr Rajkumar S Pant, Professor, Department of Aerospace Engineering, IIT Bombay on 8th December 2020.
- ✓ NDT Aspects of Structures by Dr. Brhamma, Consultant, P3-Bangalore, Ex Cades, Ex NAL on 9th December 2020.
- ✓ Design of Aircraft Structural Components by Mr. Krishnamoorthy Principal Engineer (Aero structures) UTC-COLLINS Aerospace Bangalore on 9th December 2020.
- ✓ Maintenance of Aircraft-Air Vice Marshell by Mr. Surya Narayana Moorthy, VSM (Retd) on 10th December 2020.
- ✓ Aircraft v-n Diagram and its Applications by Dr Rajkumar S.Pant Professor, Department of Aerospace Engineering, IIT Bombay on 10th December 2020.
- ✓ Composite Structures by Mr.Satapathy, Advisor, Omni dynamics, Ex Vice President CADES, Ahmedabad Ex DGM HAL, Bangalore on 11th December 2020.
- ✓ Maintenance documentation by Mr.Tamilarasan, CEO, Aerotics Technologies on 11th December 2020.
- ✓ Introduction to Aircraft Design and Career Guidance for Young Aero Minds by Dr Muniappan.A, DGM Aircraft Design Tata Advanced System Ltd-Bangalore on 12th December 2020.
- ✓ Basics of Flight Testing and Flight-Testing Techniques by Gp Captn. Arunachaleswaran, Pilot & Group Captain, Indian Air Force (IAF) Bangalore on 12th December 2020.

Department of Automobile Engineering

- ✓ Hands on Training on Dismantling and Assembling of Two Wheeler Vehicle on 2nd December 2020.
- ✓ Automotive Electrical and Fabrication of electric vehicle on 3rd and 4th December 2020.
- ✓ IRNSS-GPS version of India by Mr. Soma Perumal, Project Director, IRNSS, ISTRAC, Bangalore on 4th December 2020.
- ✓ Training on Modeling Software (CATIA) from 5th to 7th December 2020.
- ✓ Training on Analysis Software (ANSYS) on 8th and 9th December 2020.
- ✓ Hands on training on different parts in a Four Wheeler Vehicle on 10th and 11th December 2020.

Department of Civil Engineering

- ✓ Architectural Planning and Modelling of Buildings as per By-Laws using AutoCAD for students of second year from 30th November 2020 to 4th December 2020.
- ✓ Building Information Modelling using Revit Architecture for students of third Year from 7th to 11th December 2020.
- ✓ Analysis and Design of Structures using STAAD Pro for final year students from 7th to 11th December 2020.

Department of ECE

- ✓ Network Essentials-Foundation Course Introduction to Networks to a group and Cisco Networking Academy – IOT Fundamentals-Connecting Things for another group of students of second year from 30th November 2020 to 4th December 2020.
- ✓ MATLAB Certification-Associate (1st Level) for 9 students of second year from 30th November 2020 to 4th December 2020.
- ✓ Java Full Stack from 30th November 2020 to 4th December 2020.
- ✓ NSDC Certified Online Solar Training on Rooftop Solar Grid Engineer from 30th November 2020 to 4th December 2020.

Department of EIE

- ✓ Basics of Industrial Automation from 30th November to 2nd December 2020.

Department of Electrical and Electronics Engineering

- ✓ MATLAB-2 training from 7th December to 11th December

Department of Information Technology

- ✓ Cloud Computing, CCNA, Data Science and Machine Learning and Java Full Stack for second year students from 30th November 2020 to 5th December 2020.

Department of Mechanical Engineering

- ✓ IC Engines, Automotive Technology, R& AC by Mr. Jagannathan (External - Goodwin Motors) on 30th November 2020.

Topper's Talk

- ✓ Our Distinguished Alumnus, Mr Backia Gautam, AIR 178 -CAPF gave a talk on " How to Prepare for UPSC Exams" on 21st February 202.

- ✓ Ammu J IRS, Assistant Commissioner of Income Tax gave a talk on "Effective Strategies to Crack UPSC Exam" on 3rd April 2021.

- ✓ A session with Civil Service Officers - Mr S Prem kumar IDAS & Ms C.Aarthi IDAS- was arranged on 1st May 2021.

Voice of the Start-ups Series

KCG-Indian Innovation Council team conducted a webinar on "Building an Innovation/ Product Fit for the Market on 17th April 2021. Mr. Balamurugan S. P, Co-founder of GUVI was the speaker.

An interactive session with the successful start-up founder Ms Mekhala, Director, Soliton Technologies Pvt. Ltd. was arranged on 22nd May 2021.

KCG Leadership Excellence Series

Resistance Vs Resilience: A way forward, specially designed for school principals and senior faculty of schools was conducted on 20th and 21st May 2021.

Staff and Student Wellness Programmes

We give importance to physical, mental and emotional wellness of our faculty and students and we conduct awareness programmes. Care towards faculty and students is more relevant during this pandemic and we conducted

- Workshop on Prevention of Sexual Harassment (POSH) on 10th October 2020 by Swapna Sundar, Lawyer, Author, Ethicist
- Lecture on Mental wellness on 10th October 2020, World Mental Health Day. DrYamini Kannappan, Cosultant Psychiartist, Kauvery Hospital was the guest.
- "Our Health in Our Hands" by Yoga Kalaimaamanni P Krishnan Balaji on 21st May 2021.

Continuous Professional Development

Faculty Development Programmes

We did not miss out any opportunity of empowering our faculty during pandemic. We conducted

- AICTE sponsored Virtual International Conference on Integration of advanced Technologies for Industry 4.0 on 12th and 13th June 2020.
- A 12- hour Online Faculty Empowerment Programme for Teachers of KCG during 8 Saturdays from September 2020 to November 2020.
- Design Now Workshop hosted by Department of Mechanical Engineering, KCG College of Technology, organised by ICT Academy and powered by AutoDesk on 20th October 2020.
- Short-Term Training Programme "Cyber Security and Resilience of Smart Grid – Industry Approach and Implementation" was organised by Department of EEE.
- Department of Electronics and Communication Engineering & KCG-Research Forum is organizing AICTE Sponsored One week Online Short Term Training Program (STTP) on ' IoT powered solutions for Health care.
- AICTE & CSI Sponsored Online Short Term Training Programme organized by Department of Information Technology from 23rd November to 28th November 2020.
- A 5-day Faculty Development Programme on 'Robotics' Sponsored by AICTE Training and Learning (ATAL) Academy from 8th to 12th December 2020.
- AICTE and CSI Sponsored Online Short Term Training Programme on Incorporating the techniques of Block Chain and Artificial Intelligence to face the security and privacy challenges of IT Infrastructure-Research Approach was conducted form 14th to 19th December 2020.

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.

- Panel Discussion on "Civil Services - A Wonderful Career Opportunity for Engineers", moderated by Dr Annie Jacob, Director, KCG College of Technology on 26th September 2020 in PALS CARES & SHARES Series.

- Dr Annie Jacob, Director, KCG Technology moderated a chat session with Ms Rekha Anil, Global CSS Leader, Microsoft India (R&D) in the Global Summit 2020 - Womenomics – Inclusive Leadership and Women Empowerment.

- 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. S Yuvaraj delivered a lecture on "Soft Computing Techniques Applied to Multiphase Flows" in the AICTE Sponsored 6 day online STTP Phase1 titled "Modeling and Computational Techniques for Multiphase Systems" organized by K.S.R College of Engineering(Autonomous), Tiruchengode, Namakkal, on 9th December 2020.

- Mr. S Jesudass Thomas delivered a lecture on "Introduction to Virtual Lab "for Second Year DME Students, HIET on 13th January 2021.
- Mr. S Jesudass Thomas and Mr. K Gobivel, faculty Mechanical Department-delivered a guest lecture on " Introduction to Virtual Lab "for Final Year DME Students, HIET on 23rd February 2021.
- Dr Asad Ahmed, Associate Professor, Department of Aerospace and Aeronautical Engineering delivered a session on "National Education Policy 2020" on 27th March 2021.

- Dr.Nirmala devi K, delivered a session on "Behavioral Modelling : Transport, Inertial Delay, Example programs" in the AICTE Sponsored STTP on FPGA based Digital System Design with HDL (Phase-II) on 23rd February 2021.

- Dr. Deepa Jose served as a resource person in a one week FDP on Research Writing organized by SRM University on 22nd April 2021.

- Dr. V. Thulasi Bai and Ms. K. Jaraline Kirubavathy were the resource persons in virtual meet organized by University of Bari Aldo Moro, Bari, Italy on 26th March 2021.
- Dr.V.Vandhana Devi delivered lecture titled "Sustainable systems for handling E-Waste" in AICTE-ISTE FDP organized by Velammal Engineering College on 3rd December 2020.

Club Activities

Inter-Collegiate Virtual Competitions- Lockdown Showdown by KCG Clubs

- KCG Mathematics Club conducted a quiz competition 'Fun with Numbers' on 18th July 2020.
- Literary Club conducted Slam Poetry and Flash Fiction on 18th July; Debate and Blog Contest on 25th July. KCG students were asked to write a Blog post on 'Great Memories at KCG' and request their friends and family to follow and comment on their post.
- Robotics Club and Project Club jointly conducted Innovation Ideation Challenge on 1st August 2020.
- Photography Club conducted Video Contest and Photography Contest on 8th and 15th August 2020 respectively.
- Sports Club conducted a Quiz on COVID on 15th August 2020.
- Cultural Competitions - Solo Dance by Dance Club; Solo Vocals and Solo Instrumental by Music Club were conducted on 8th and 22nd August 2020 respectively. Fashion show was conducted on 29th August 2020.

Toastmasters Club

KCG Toastmasters Club organised an Educational Session on Pathways, Toastmasters New Education Program on 2nd February 2021. DTM Sateesh Kumar, Asst. Vice-President, Quality Assurance in INDIGRID Limited, Mumbai and President- Meraki Toastmasters Club was the speaker.

KCG Toastmasters Club and KCG Youthmasters Toastmasters Club organised a Toastmasters Orientation Programme for first year students on 22nd February 2021. TM Dinesh Balaji, Area Director F1 and TM Prasad were the guests.

KCG Women's Coding Club

KCG Women's Coding Club organised Women Codeathon 3.0 on 27th February 2021. Ms Pavithra N of IV CSE won the first place; Ms Mahalakshmi B, Ms Ellora Suji N and Ms Rajeswary M of III IT won the second place; and Ms Lavanya P, Ms Anu Abarna B of III IT won the third place.

Higher Education Cell

The Higher Education Cell of the college conducted a workshop on "SOP Writing" on 27th March 2021. Mrs Vasudha Muralikrishna, Manager Campus France, Hyderabad and Mrs Rhea Cheryl Shivan, Manager Campus France, Chennai were the resource persons.

CSR Activities

School Connect Programmes

- ✓ Department of Fashion Technology conducted Poster Presentation and Doll Making Competitions in the name COVIDESTA 2020 -A campaign towards COVID 19.on 20th June 2020.
- ✓ Department of Science and Technologies conducted a National Level Science Wizard Quiz for +2 students on 1st July 2020.
- ✓ Department of IT conducted The Great Hack 2020, a school connect programme, on 11th and 12th July 2020.
- ✓ Department of ECE oraganised a National Level Poster Making and Project Competitions for School Students -"KCG Techno Fest 2020" on 13th July 2020.
- ✓ Department of CSE organized a 3 day online workshop on "How to Adapt to Online Education" for school students from Class X from 18th to 20th July 2020.
- ✓ Department of Mechancial conducted KCG MECHFEST – 2020 – a Poster Presentation Competition on the Theme "Innovative Technical Ideas for Society Welfare" for School Students from X Std. to XII Std on 23rd July 2020.
- ✓ Department of Information Technology conducted a one day workshop on Ethical Hacking on 10th December 2020 as a part of School Connect Programme.
- ✓ Technical Quiz on Social Media for school students of Class VIII and above was organized by Department of Computer Science on 23rd December 2020.
- ✓ Department of Information Technology conducted an online Workshop on Ethical Hacking on 10th December 2020 for school students.

- ✓ Department of ECE conducted a Career Guidance Program for students of Jawahar Vidhyalaya School (CBSE), KK Nagar, Chennai on 28th December 2020.
- ✓ Department of Automobile Engineering conducted a Career Guidance and Virtual Lab sessions for HIET Polytechnic students from 22nd to 31st December 2020.
- ✓ Department of EEE conducted Virtual Lab on "Electric circuits and Machines Lab and Electronic Devices and Circuits" for HIET Polytechnic students on 29th and 30th December 2020.
- ✓ Department of Information Technology conducted "The Great Hack 3.0" on 29th and 30th December 2020 for school students.
- ✓ Department of Information Technology organised 'The Great Hack 4.0' on 18th and 19th January 2021.
- ✓ Department of Fashion Technology organised a "Tall Story Contest" on the theme "My Smart Garment" for school students from VI to XII standard on 25th January 2021.
- ✓ Department of ECE conducted a Quiz Competition for school students of Class XI and XII (Science Group) from 22nd to 29th January 2021.
- ✓ Departments of Aeronautical Engineering and Aerospace Engineering organised SIRUS, an inter-school competition on 27th Feb 2021 for students of classes from X to XII.
- ✓ Department of Civil Engineering organised TECH FEST 2021, a National Level Online Contest for Higher Secondary Students from 25th to 27th February 2021.
- ✓ Department of S&H conducted a National Level Online Quiz for XI and XII standard students from 28th February to 7th March 2021.
- ✓ Department of Science and Humanities conducted 'Blogathon 21' as a part of School Connect Programme.
- ✓ Department of Automobile Engineering conducted a National Level Quiz Competition on "Automobile" for Polytechnic students on 1st May 2021.

We always remember our responsibility to provide engineering solutions to immediate societal problems and our initiatives towards Covid relief measures are worth mentioning.

- 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 was has been highly appreciated by government officials and media.
- 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.
- 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.

We also continued with our regular services to orphanages, home for aged, and habitats. To mention a few,

- Organized a school connect program "The Great Hack 2020" on 11th and 12th of July 2020
- 5500 poor children, destitute and senior citizens in old age homes were fed on the occasion of Chairperson's birthday.
- Visit to KCG Campus by the children of ARK Orphanage Thoraipakkam- 3rd October 2020- arranged by the members of Y's Men Club Karapakkam
- Inauguration of Y's Youth Club of KCG College – 9th October 2020- Y's Service Club of Karapakkam is the sponsoring club.
- Inauguration of the project "Sponsoring of Monthly Grocery to ARK India Service Society, Thoraipakkam by Y's Men's Club of KCG College Youth and Y's Service Club of Chennai Karapakkam- 30th October 2020.
- Y's Mens Club of KCG College Youth in association with Y's Service Club of Chennai Karapakkam celebrated Diwali with the children of Annai Fathima Child Welfare Centre, Sholinganallur, Chennai on 12th November 2020.
- Christmas Celebrations with children in Annai Fatima Orphanage, Karappakkam and ARK Service Society for HIV Born Girl Children, Thoraipakkam organised by YSC of Chennai Karapakkam and YMC of KCG College Youth on 23rd December 2020.
- Technical Quiz on Social Media for school students of Class VIII and above was organised by Department of Computer Science.
- Fit India Cyclothon was organised on Campus on 22nd December 2020, as directed by Ministry of Education and Ministry of Youth Affairs and Sports, to create awareness on the importance of keeping fit and healthy.

- Y's Service Club of Chennai Karapakkam and Y's Men's Club of KCG College Youth in association with the college organised COVID 19 Vaccination through Chennai Corporation as staff wellness programme.

- Rotaract Club of the college sponsored by Rotary Club of Chennai Capital has taken an initiative to create an open forum 'A Cause for Change' to protect the habitat of endangered species.

- Dr KCG Verghese Charitable foundation has bought oxygen concentrators with 5lt flow and O2 cylinders and kept at Smart Vision Clinic, Adyar to help those in need.

- Y Service Club of Chennai Karapakkam and YMC of KCG College Youth in association with Ys Menettes Club of Mylapore distributed grocery kit with 10 items to the underprivileged and needy.

- A special prayer meeting for universal wellbeing was conducted in virtual mode on 2nd May 2021.

- 2 lakhs on behalf of Dr KCG Charitable Trust Rs. 25,000 on behalf of Y's Men Charitable Trust was donated to Adyar Cancer Hospital by our Chairperson and our CEO.

- A session on the topic 'Bird Feeder' was arranged in association with Bhumi, an NGO, on 22nd May 2021 to encourage the faculty and students to feed birds.

Achievements by faculty and students

- Dr T Mothilal, HoD Department of Automobile Engineering received the NPTEL Enthusiast Star award& Received Elite Category certificates for various NPTEL courses

- Dr R Asad Ahamed, Associate Professor, Department of Aeronautical Engineering-awarded as one of the Top 50 Expert Faculties in the field of Aeronautical Engineering across India for the year 2019.

- Dr. M Krishnamurthy, Professor and Head, CSE, has acquired 60+ Certification from Coursera, ATAL, Elsevier Research Academy certifications and many more during the lockdown period.

- The book titled "Natural Fiver Composites: Manufacturing, Characterization and Testing" by Dr G Mohamed Zakriya, Assistant Professor (Sl.Gr.II), Department of Fashion Technology was published by CRC Press, Taylor and Francis Group on 27th September 2020.

- 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.

- Dr. R. Dhanalakshmi, Professor of CSE has been selected as the Guest Editor of the special issue on Machine Learning for Cyber Security.

- Dr. J. Frank Vijay, Prof and Head –IT has been appointed as doctoral committee member for a research scholar at Anna University.
- Mr. J.S. Prasath, AP-EIE has published a book chapter titled "Compound Cryptography for Internet of Things based Industrial Automation" in Intech Open Limited, London, United Kingdom (DOI: 10.5772/intechopen.95845)
- 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 Bhavadharshnini 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 events including Coursera and AWS
- Anu S, Thirupthikaa G G, Bibin Jino S of I Aerospace have received 20 certifications each in various events 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.
- KCG College is in the Top 100 teams in KPIT Sparkle 2021, an event by KPIT Technologies to promote budding entrepreneurs to the incubation system. The projects of III EEE students, Mr Suraj, Mr Ulaganathan and Mr Ravindrakumar was shortlisted.
- KCG students representing the Office of International Affairs of the college participated in the Virtual Social Business Students Forum - Role of Youth in Zeroing Poverty, Unemployment and Net Carbon Emissions- organised by Daffodil International University, Bangladesh on 25th and 26th November 2020.

- Students of EEE participated in IET CLN SMART CITY CHALLENGE 2020 and won prizes and internship with Nokia for their projects:
  - Smart Electricity Metering - 2 nd Place - INR 15000 cash price
  - Solar Powered Pottery for Better Organic Utensils - 3 rd Place – INR 10000 cash price
- Cinematography by Mr Puviraj by final year CSE student: THAGAR, a motivational film.
- CSE team of our college won the Runner Up title in the Smart India Hackathon 2020 and received a special mention as "The Team with Flawless Execution of Ideas ".The team was greatly appreciated for its technical competency and excellent team work.
- 300 first & second-year students attended the Microsoft AI Classroom program, an initiative with NASSCOM and supported by GitHub.
- 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 received Bronze Honour.
- Sandbird, the start-up by our students Mr S Bala Surya and Ajith Kannan attracted the attention of the Jury of AWS Grand Challenge 2020, a challenge to promote student entrepreneurship.
- Mr Karan Sanjeev Nair, student of II CSE, has got selected for Corona Safe Engineering Fellowship Programme.
- The brightest minds behind the three projects that got shortlisted in National Innovation Contest 2020 are selected for training and innovation by Ministry of Education's Innovation Cell, Government of India.
- Students of Information Technology, Muzzamil, Staffin, Antonyraj, Logith, participated in a 5-day Analyze Case Study Event conducted for the PALS Partner Institutes and won a prize for their case study titled "Airport Passenger Feedback System".
- Ms Menaka of III CSE and Hemavarthini of III FT have won Special Recognition Award in The 2021 Seoul International Meditation Festival Art Exhibition.
- Ms Ramya of III CSE, Ms Swetha Sree of II CSE, Mr Suraj of III EEE have won the he 96 hour Challenge, PALS-Nexgen 3D hackathon, for the Software Case Study 2 - Develop software to automate the inventory and shop of a 3D Printing product company. Following is the link for the website developed by them http://ez3dprint.store/
- Our students won the silver prize in KPIT Sparkle 2021 Innovation Contest. They designed a semi-autonomous electric tractor that reduces operation cost by ten times with home charging.
- Students of Information Technology, Muzzamil, Staffin, Antonyraj, Logith, participated in a 5-day Analyze Case Study Event conducted for the PALS Partner

Institutes and won a prize for their case study titled "Airport Passenger Feedback System".

- Ms Menaka of III CSE and Hemavarthini of III FT have won Special Recognition Award in The 2021 Seoul International Meditation Festival Art Exhibition.
- Mr Mohamed Rizwan of II EEE, Ms Sneha Raj and Ms Poovizhi of II CSE, Mr Karthik and Ms Elakya of III CSE, Ms Pooja Rajasekharan of IV ECE, Mr Surya Bharath and Ms Thanuja of III FT have got selected for the five week internship with International Model United Nations (MUN)
- Five of our project teams have got shortlisted for AICTE Chhatra Vishwakarma Award
  - ➢ Pineapple Leaf Fibre Extraction, mentored by Dr. Bhanu Rekha, Professor and Head Fashion Technology and Dr. M Vignesh Kumar, Assistant Professor Mechanical
  - ➢ Mango Seed Decorticator, mentored by Dr. M Vignesh Kumar, Assistant Professor Mechanical
  - ➢ Safety Taser, mentored by Mr. S Gowtham, Assistant Professor EEE
  - ➢ Smart Sentry, mentored by Dr. Deepa Jose, Associate Professor ECE
  - ➢ Smart Mental Health Analyst, mentored by Dr. T Anuradha, Professor & Head EEE

- Students of Fashion Technology- Mr Nitheesh, Mr Naresh S P, Mr Surya Bharath- have secured second place for their project titled "Pineapple Leaf Fibre Extraction Machine for Sustainable Development in VISAI Project Competition conducted by Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai.
- Our students, Mr Nithish P of Mechanical Engineering, Ms Swathi P of ECE, Mr Surya Bharath of Fashion Technology and Ms Hemamalini J of ECE participated in INDinnovate 2021 on virtual mode conducted by Indore Entrepreneurs Network, ACROPOLIS Institute of Technology, and ACROSPACES and won second place. They were awarded a cash prize of Rs. 21,000/-
- Our students, Mr Sheikh Mohammed of IV ECE, Mr Surya Bharath of III FT, Ms. Yuvashree R M of III ECE, Mr Karan Sanjeev Nair of II Year CSE and Ms Neena P S of I IT have been selected as Campus Ambassador for Cisco.
- Our students, Mr Surya Bharath of III Fashion Technology and Felix Remigius of IV Mechanical Engineering participated and won Best Idea Award in the Innovism 2.0-India Virtual Innovative Symposium organised by AGIIT of Axis Global Automation and Nandha InfoTech with the support of Annamalai Innovation and Incubation Research Foundation.
- Two projects by our students under the theme "Gender-Responsive Mechanism to Combat Domestic Violence" have got shortlisted for the next round in the AICTE CHATTRA VISHWAKARMA AWARDS 2020.
- Mr Naresh Kumaran, Mr Sharath, and Mr Stany of Mechanical Engineering, under the guidance of Dr. M Kannan, Professor, Department of Mechanical Engineering, have converted a commercial bicycle into an electronic bicycle to overcome the issue of pedalling longer distances.
- Two projects, "Solar-powered Smart Irrigation System" and "Agrobots in Tomato Farms" have been shortlisted in the National Innovation Contest 2020 by the Ministry of Education Innovation.

- Our student team- Mr Nitheesh P of Mechanical, Mr S Naresh of Mechanical, Mr Raghul K of Mechanical, Mr Felix Remigius M of Mechanical, Mr Surya Bharath of Fashion Technology, Mr Swathi P of ECE and Mr Hemamalini J of ECE- participated in YOUTHZEST 2021 organized by the Indian Institute of Project Technology and won first place with a cash prize of Rs. 25,000/-

- Surya Bharath of III Fashion Technology and Zubair of II Aeronautical Engineering participated in the Indo Universal Collaboration for Engineering Education (IUCEE) NEP Student Competition 2021 and won first and second place respectively.

- Two student teams of the college have been selected for the final level competition of the 4th AICTE Chhatra Vishwakarma Awards 2020.

- The following students have been selected as Campus Ambassador for Cisco.

  - Sheikh Mohammed - IV ECE
  - Surya Bharath - III FT
  - Yuvashree R M - III ECE
  - Karan Sanjeev Nair - II Year CSE
  - Neena P S - I Year IT

- Charan Tadisetti Dixit Rao, final year Mechanical Engineering student has got admission in IISC - Banglore for the PG Programme - Product Design and Engg. (Master of Design).

- Anandh C.M. Joseph of final year Mechanical Engineering published a paper "Experimental Study on the Effect of chaotic nature on IPHICLUS and NEARCTIC Flapping MAV wings in Lift Generation using Welch Power Spectral in the International Journal of Vehicle Structures and Systems

- Mr. Sabarinathan D of 2016-2020 batch IT has secured 'A' grade in Certificate -C exam conducted by National Cadet Corps.

- Gowtham H, Lingeswaran R, Ajin and Karthikeyan of final ECE won best paper award for the Conference paper titled "IoT based smart Electrolytic Bottle Monitoring in the International Conference on Intelligent Computing, Smart Communication and Network Technologies -(ICICSCNT 2021)" held at RMK Engineering College on 26th & 27th March 2021.

- Tatavarty Rujula of ECE-III year won best paper Award in AICTE Sponsored Virtual Conference on Integration of Advanced Technologies for Industry 4.0(ICIATI) 12th & 13th June 2020.

- Sneka, Sai Sushmitha, Shivani of final ECE Won the best paper award in the International conference on Innovations in Electronics and Communication Systems , Organized by RMK College of Engineering and Technology from 6th-7th May 2021

- Aparna P, Abhinaya V, Anbarasi D, Hariharan S of final ECE won First prize in Project Expo 2020 at Hindustan Institute of Technology & Science on Dec 1,2020.

- NCC Company of the college has won 8 prizes in the intercollegiate NCC Fest organized by DG Vaishnav College. The company won overall third position in the competitions conducted. The list of the winners is as follows:

  ➢ Samarvir - Csuo Nitin Nair N(Gold Medal)

  ➢ Best Right Marker, Contingent Drill- 1.Csm Rishwanth M S

  ➢ Best Cadet- Cdt Dimpal Kumari(Bronze Medal)

  ➢ Maitreyi- Cdt Sai Vishnu Prasath(Gold Medal)

  ➢ Individual Drill - Lcpl Amar Vishnu and Lcpl Nanthine T(Gold Medal)

  ➢ Quiz- Cdt Janani (Silver Medal)

  ➢ GK And GSK- Cdt Anu S(Bronze Medal)

Last Word

In the words of Max McKeown, "Adaptability is about the powerful difference between adapting to cope and adapting to win". This pandemic has hit us hard it has also opened up new avenues. It has prepared us to face tough situations and win over them. Even after winning the pandemic, let us continue to capitalize on the opportunities it has revealed.