



(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Chittoor Main Road, Vellore - 632 059.

KINGSTON ENGINEERING COLLEGE

ANNUAL REPORT

AY 2021 – 2022





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VISION OF THE INSTITUTION

To be a pioneer in engineering and management education by providing amicable ambience and being a centre for learning thereby perpetuating versatile professionals in engineering and management suitable for industry, higher education and research.

MISION OF THE INSTITUTION

- ❖ Developing, nurturing and building professionals with technical, research and managerial expertise, intellectual proficiency, right attitude and moral ethics.
- ❖ Building infrastructure that earmarks the institution to be the most preferred educational destination and provides the right ambience for creative and innovative teaching - learning process.
- ❖ Enabling learners to broaden their horizon and helping to meet global challenges.



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Annual Report 2021 - 2022

I feel proud to stand before you to present the Annual Report for the Academic Year 2021-2022. I once read that the pursuit of knowledge is never ending and that knowledge is power. Kingston is in pursuit of this never-ending power being bestowed on the youth of our nation.

Kingston Engineering College approved by AICTE, New Delhi and affiliated to Anna University, Chennai was established in the year 2008 by the Duraimurugan Educational Trust to promote education to the rural and urban students in and around Vellore.

Within a short span, Kingston proved its mettle with its impeccable academic performance. Kingston ranks first in the Vellore, Thiruvannamalai districts in Anna University examinations. Kingston's Chairman Thiru. D. M. Kathir Anand who has completed his MBA at USA is always ready to work for the betterment of the students, provide them with the best facilities and takes great pains in ensuring that placement takes place for all eligible final year MBA and engineering candidates.

The following courses are offered by our college.

Under Graduate Programs

- Bachelor of Civil Engineering
- Bachelor of Computer Science & Engineering
- Bachelor of Electrical & Electronics Engineering
- Bachelor of Electronics & Communication Engineering
- Bachelor of Information Technology
- Bachelor of Mechanical Engineering

Additionally, Kingston College has also introduced two undergraduate programs, providing opportunities for further specialization and advanced learning.

- Bachelor of Artificial Intelligence and Data Science
- Bachelor of Computer Science and Business systems.

Post Graduate Programs

- Master of Business Administration
- Master of Engineering in Applied Electronics
- Master of Engineering in Power System
- Master of Engineering in Computer Science & Engineering
- Master of Engineering in Engineering Design



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We have well qualified faculty members and non-teaching staff members on roll as per AICTE norms. Our college has doctorates in various departments and many faculties doing their doctorates in various disciplines. We have well established Research center for the Department of EEE & Mechanical engineering.

AWARDS AND RECOGNITION OF COLLEGE

Our college received various awards and recognition from various government and non-government organization.

- Department of Electronics and Communication Engineering and Department of Mechanical Engineering has enhanced Laboratories under AICTE MODROB scheme with the funds of Rs.7 Lakhs and Rs.12 Lakhs respectively.
- E-Yantra Robotics Lab was established in association with IIT-Bombay. Vehicles (Cars / Truck / Engines) have been sponsored to students to carryout research activities from Hyundai, Tata Motors, Creta, Renault Nissan.
- 100+ Anna University Rank Holders.
- Accredited by NBA for UG in ECE, CSE, IT, and Mechanical Engineering.
- Best IEEE Students Chapter Award.
- 3-Star Rating - MHRD - IIC Awards.
- Received Centre of Excellence from Ashok Leyland.
- Outstanding Leader in Higher Education from Elets Techno media Pvt. Ltd. for Digital Transformation in Higher Education.
- Certificate of Award from Rotary Club of Katpadi, Vellore for Rally on World Ozone Day.
- Certificate of Recognition for School Cleaning and Tree planting program from Panchayat Union Primary School at V.G.Rao Nagar, Katpadi.
- Letter of Appreciation for Motivation speech given to students, research scholars and faculties from Dwaraka Doss Goverdhan Doss Vaishnav College.
- Certificate of Appreciation from Tamil Nadu Government for Speech Competition.
- Membership from IGEN ENSAV CLUB, The Institution of Green Engineers for Energy saving Awareness Club Initiation.



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ACADEMIC EXCELLENCE

- Students of Kingston Engineering College secure University Ranks every year.
- For the Academic Year 2021-2022 (ODD SEMESTER), Out of 1805 students, 1078 students cleared the semester examination and obtained overall pass percentage of 99.35 in the April/May 2021 Anna University Examination.
- For the Academic Year 2021-2022 (EVEN SEMESTER), Out of 947 students, 841 students cleared the semester examination and obtained overall pass percentage of 88.81 in the November/December 2021 Anna University Examination.

MoUs SIGNED

Memorandums of Understanding have been signed between our college and industry to facilitate practical training, expertise sharing, consulting, and placement. This year, we signed a few additional MoUs with the following industries.

- EVR Electricals Private LTD
- Air Media Broadcast Solutions (P), LTD
- Relevantz Techonolog0y Services
- METRO Composites
- CRUD Operation Privated Limited
- CODOID Systems
- VIS Education and Training Company
- SHIASH Info Solution Private Limited
- CAPARO Engineering India Limited
- AVEON Infotech Private Limited
- Focus Logic IT Services

FACULTY ACHIEVEMENT AND AWARDS

Faculty achievements and awards not only celebrate individual accomplishments but also inspire and motivate colleagues and students to strive for excellence in their own pursuits. They enhance the reputation and prestige of the college and contribute to its culture of excellence, innovation, and leadership in academia and beyond.



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- Mr.S.Balaji, AP/CSE received grant of Rs.50,000 under the research project “Web Based Digital Certificate Verification System” from Focus Logic IT Services, Walajapet, a non-governmental agency in the academic year 2021-2022.
- Mrs.A.Sentamizhselvi & Mrs.R.Sathya from Department of MBA was Awarded doctorate degree in the academic year 2021-22.

STUDENT SCHOLARSHIP

Scholarship is provided for the students by both Government & Management. During the academic year 2021-2022, out of 954 students, 584 students got benefited by scholarships and freships provided by the Government and Non-Government agencies.

RESEARCH AND INNOVATIONS

- Dr. U.V. Arivazhagu, HOD/CSE & Principal published a patent on Cyber Crime Digital Forensics Security issues based on Internet of Things.
- Dr. N. Shankar Ganesh, Prof/MECH & Mr. D. Manivannan, AP/MECH, Integrated Organic RankineCycle Power Generation and Ejector Refrigeration Systems using Waste Heat Recovery from Multifuel Research Engine.
- Mr. S . Balaji, AP/CSE, published a paper titled “Intelligent Object Detection in Autonomous vehicles using CNN algorithm” International Journal Of Engineering Research & Technology (IJERT).
- Mrs.M. Pavithra, AP/CSE, published a paper titled “Plant leaf diseases detection system using convolutional neural network” in International Journal of Scientific Research in Engineering and Management (IJSREM).

FACULTY DEVELOPMENT PROGRAM / WEBINAR / SEMINAR / GUEST LECTURE / CONFERENCES

All these events play a crucial role in promoting continuous learning, professional development, and knowledge sharing within the academic community, contributing to the overall academic excellence of the engineering college. Totally 66 faculties participated in Faculty Development Program, Webinar, Seminar, Guest Lecture and Conferences



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conducted by our college and 50 faculties have been provided financial support to participate the same in other institution. Around 64 non-teaching staffs participated in professional and administrative programs.

STUDENT ACHIEVEMENT

Our students participated in various workshop, Seminar and webinar during this academic year.

- One day Workshop on "Innovative ideas of Entrepreneurs Master minds meet 2k22"
- One day Workshop on "Innovative Technical Thinking"
- Guest Lecture on "Glimpse of the Indian Patent Act 1970 Patent Drafting & Filing"
- Webinar on " Assessing Worthiness of Inventions and Creating Strategies for Patenting them Outside India"
- Webinar on " Important aspects to consider while preparing patent specifications"
- Webinar on " Best Practises for documentation of research and conducting a preliminary assessment of patentability"
- Webinar on " Translating Ideas to Inventions- What Researchers need to do?"
- A Seminar on "The problems faced to prepare the Project report and its solution."
- Virtual Workshop on "IPR and IP management for start-up"
- Internal Smart India Hackathan
- Online Webinar on "Design Thinking, Critical thinking And Innovation Design"
- Virtual Workshop on "My story - motivational session by a successful innovator"
- Webinar on "Entrepreneurship Skills, Attitude And Behaviour Development"
- Virtual workshop on "My story - motivational session by a successful entrepreneur and start-up founder"
- Webinar on "Achieving problem- Solution fit and Product-Market fit"
- One Day International Workshop on "Entrepreneurship and Innovation as Career Opportunity"
- Webinar on Role of modeling and simulation in the Research of automobile design and development



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WORKSHOPS / SEMINARS / CONFERENCES CONDUCTED ON RESEARCH METHODOLOGY, INTELLECTUAL PROPERTY RIGHTS (IPR) AND ENTREPRENEURSHIP

The faculty members and students of our college participated in various workshop/seminar/conference which focuses on raising awareness and understanding of intellectual property rights (IPR) and their significance in fostering innovation, creativity, and economic development.

- Two days' Workshop on "Disruptive Innovation and Entrepreneurship: Unleashing the Power of Master Minds".
- One day Workshop on "Innovative Technical Thinking".
- Workshop on "Glimpse of the Indian Patent Act 1970 Patent Drafting & Filing".
- IP Talk on "Assessing Worthiness of Inventions and Creating Strategies for Patenting them Outside India".
- IP Talk on "Important aspects to consider while preparing patent specifications".
- IP Talk on "Best Practises for documentation of research and conducting a preliminary assessment of patentability".
- IP Talk on "Translating Ideas to Inventions- What Researchers need to do?"
- NDLI Lecture: "The problems faced to prepare the Project report and its solution."
- Virtual Webinar on "Intellectual Property Rights".
- Internal Smart India Hackathon.
- Virtual Workshop on "Design Thinking, Critical thinking And Innovation Design".
- Virtual Session on "My Story - Successful Innovators".
- Virtual Workshop on "Entrepreneurship Skills, Attitude and Behaviour Development".
- Motivational session on "My story - Successful Entrepreneur / Start-Up Founder".
- Virtual Workshop on "Achieving Problem- Solution fit and Product-Market fit".
- Virtual Workshop on "Entrepreneurship and Innovation as Career Opportunity".
- Webinar on Role of modelling and simulation in the Research of automobile design and development.



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ADD ON CERTIFICATE COURSES

In addition to regular academic courses, each departments provide a variety of value-added courses.

- The Department of Civil Engineering has conducted a value added course on Geospatial Software Applications in Civil Engineering.
- The Department of Computer Science and Engineering has conducted three certificate courses on Visual Basic Laboratory, Usage of Data Science and Blockchain Technology.
- The Department of Electrical and Electronics Engineering has conducted two value added courses on MATLAB and SIMULINK for Electrical engineers and Fuzzy Logic system and Applications.
- The Department of Electronics and Communication Engineering has conducted three value added courses on Robotics in Biomedical Engineering, Radio Frequency Circuit Design and Mobile Phone technology.
- The Department of Information Technology has conducted two value added courses on Block chain and Bitcoin fundamentals and Innovative Trends in Cyber Security and Threats.
- The Department of Mechanical Engineering has conducted two certificate courses on Additive Manufacturing and Tooling and Introduction to Mechanical Design using CREO.
- The Department of Management studies has conducted a value-added course on Managerial Skills for Interpersonal Dynamics and Leadership and Team Effectiveness.
- The Department of Science and Humanities has conducted three value added courses on Writing and Speaking English Effectively, How things work? An Introduction to physics and General Chemistry and Siddha Geology.



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INTERNSHIP/INDUSTRIAL VISIT

Internships provide students with hands-on work experience within a professional environment relevant to their field of study. By actively participating in day-to-day tasks, projects, and responsibilities, interns gain practical insights into their chosen industry. Our college students have successfully completed various internships in esteemed companies, marking a significant milestone in their academic and professional journeys. These internships have provided our students with invaluable hands-on experience, allowing them to further develop their skills and knowledge in their respective fields. Industrial visits also serve to inspire and motivate students by showcasing the practical applications of their academic learning, thereby reinforcing their career aspirations and goals.

CELLS AND COMMITTEES

In our college, various cells and committees are established, they provide opportunities for students to develop leadership skills, teamwork, and a sense of responsibility. The Science Club, English Club, Maths Club, Women Empowerment Cell, and R&D Cell orchestrated a diverse range of activities, each catering to different interests and objectives.

- Essay writing Competition on- Media News on Sexual Harassment- Observe, explain provide a solution
- Annual Event of Women Empowerment Cell
- Awareness About Fundamental Legal Rights of Women
- Program on 'Vizhithiru Poriyalane'
- Virtual Session on "Why Education?"
- Virtual Session on "Grooming Innovators for Dynamic Industry"
- Virtual Session on "Technology and Digital Media For Global Learning"
- "Opportunities in IT Industries and its Applications"
- Program on "Expectations of Industry from budding Engineers"
- Program on "Yoga for Physical and Mental Health"
- Program on "Real time Usage of Block Chain and NFT"
- Program on "Career Guidance For Young Engineers"
- Program on "Emerging to Industry"



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- Program on “Building competency Among New Learners”
- Science Club-Guest Lecture on “Use of Waste materials to Produce Leather in the Industry”
- English Club-Guest Lecture on “Multi Culturalism Thoughts”
- Maths Club-Guest Lecture “Application of Engineering Mathematics”
- English Club-Guest Lecture on “Post Colonial Impacts in the World”
- Orientation Programme newly Admitted Students about YRC
- Awareness about HIV, COVID 19 and necessity of voluntary blood donation”
- Self-Awareness key for Shaping ourselves and Healing ourselves to heal the world
- AICTE ATAL sponsored FDP on “Exergy and Thermo Economic Investigation in Power Generation Systems (ETEIPGS – 21)”
- World Earth Day-2022

STUDENTS SKILL DEVELOPMENT

Our college offers a variety of programmes designed to improve students' technical, language, communication, ICT/computing, and life skills.

- A Seminar on “Leadership & Team Building”.
- A Seminar on “Personal, Planning & Recruitment”.
- Awareness program on “Importance of body Language in Communication”.
- Awareness program in “Effective Communication Skill in Modern days”.
- Python Programming.
- Awareness program on “Yoga for Compassion”.
- Awareness program on “Ethical Hacking”.
- Seminar on “Nurturing a joyful heart”.

COMMUNITY ENGAGEMENT AND SOCIAL RESPONSIBILITY

Community engagement and social responsibility are integral aspects of an engineering college's mission and values.



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- On 21st April 2022, the Tamil Nadu Police department, in collaboration with the NSS unit of KEC, Katpadi, conducted an Awareness Program on Tuberculosis.
- On 6th April 2022, the Kingston Engineering College National Service Scheme unit cleaned the Sundari Amman temple, Katpadi.
- On 28th March 2022, the NSS Unit of KEC and the Mettukulam village panchayat carried out cleaning, and on that day, about 50 saplings were planted there.
- An AIDS awareness day was conducted on 1st December 2021, by the Kingston Engineering College National Service Scheme unit in collaboration with the Mettukulam Village Panchayat.
- On 2nd December 2021, National Pollution Control Day was observed by the KEC National Service Scheme.
- On 22nd November 2021, a school cleaning and tree planting programme was carried out by the KEC NSS unit in collaboration with St. Xaviour High School.
- At Katpadi Railway Station, on 15th November 2021, the NSS unit of KEC, in collaboration with Southern Railway, conducted Swachh Bharat Abhiyan-Clean India.
- On 31st November 2021, the NSS unit of KEC hosted a Yoga Awareness Programme at Kanchaloor Village Panchayat.
- A programme on Energy Saving and Safe Use of Electrical Appliances was held at Mettukulam Village Panchayat on 22nd October 2021, by the Green Energy and Environmental Club of KEC.
- The NSS unit of Kingston Engineering College organised a programme on behavioural addiction and life skills (Imparting Education to School Students) on 09.10.2021.



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LIBRARY

Kingston Engineering College Library was established in the year 2008. Library functions on Open Access System for all the users. Library is well equipped with Textbooks, Reference Books, Journals, Magazines, Newspapers etc. DDC (Dewey Decimal Classification) is using for classifying the library books & Arrangement of Books for Subject-wise.

NDLI (National Digital Library of India) club within the library can be a fantastic initiative to promote digital literacy, research skills, and access to educational resources among students and faculty. Various events conducted are as follows.

- Inauguration of NDLI Club & Webinar on User Awareness Program
- GO FISH: Browsing the given title using the NDLI Website
- NDLI DRAWING: Digital Reading
- NDLI ESSAY WRITING: Advantage of Digital Reading
- NDLI QUIZ: NDLI & General Knowledge
- NDLI DEBATE: Will electronic databases totally replace the traditional libraries?

PLACEMENT AND TRAINING ACTIVITIES

A full fledged Placement and Training Development Cell ensures that the outgoing students are readily employable. Many companies from various sectors visit the campus round the year to hire the MBA and Engineering final years. The college ensures that the students are trained to face competitive exams, aptitude and psychometric tests, group discussions and interviews.

KEC has a strong track record of placement success, with a high percentage of students securing job offers from reputed companies even before graduation. Our students have been placed in top-tier companies across diverse sectors, including IT, manufacturing, consulting, and finance.

- On 15th April 2022, Placement and Training Department at KEC organised Guest Lecture on TOEFL Training.
- On 28th and 29th March, 2022, Department of Placement and Training, Kingston Engineering College organised Program Logic Training.



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- Placement and Training Department at KEC hosted a guest lecture on GRE Masterclass - Develop an Understanding of Analytical Writing Assessment (AWA) on 22nd December 2021.
- The Placement and Training Department at KEC hosted a guest lecture on the Future of the Automobile Industries on 16th December 2021.
- An orientation programme on Career Guidance for Young Engineers was organised at Kingston Engineering College in Vellore on 18th November 2021.
- A guest lecture on UPSC coaching and training was organised by KEC's Placement and Training Department from 11th to 13th October 2021.
- On 17th July 2021, Live Webinar on Role of Modelling & Simulation in Automobile Design & Development was organised by Kingston Engineering College.

ALUMNI CONTRIBUTION

- The alumni meet held on 2nd October 2021, was a momentous occasion that brought together graduates from various years to reconnect, reminisce, and celebrate their shared experiences.
- The alumni's contribution of 13 books (Batch 2016-2020) and 30 books (Batch 2015-2019) is a commendable gesture that significantly enriches our college's library resources. The addition of 43 books enhances the diversity and depth of our library's collection, providing students and faculty with access to a wider range of resources across various subjects and disciplines.
- Mr.K.Agilan, RTL Design Engineer, FLDEC systems, Chennai (Batch 2014 to 2018 / EEE) was the resource person for a Webinar on 'Career Guidance for Industry Requirements'.
- Ms.Hemashri, Programmer Analyst, Cognizant Technology Solution, Chennai (Batch 2016 to 2020 / CSE department) was the resource person for the Webinar on 'Multiple views of Career Development'.



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CELEBRATION AT KEC

Celebrations play a vital role in fostering a vibrant and inclusive community within KEC. It not only provides much-needed relaxation and enjoyment but also contribute to the holistic development and well-being of everyone involved. They create an atmosphere of positivity, unity and pride in the college community. We celebrate Pongal, Saraswathi Pooja, Diwali, Independence, Republic, Sports, Cultural, and Induction Day.

SPORTS

Kingston Engineering College create a well-rounded extracurricular program that caters to a diverse range of student interests and talents. Sports play a crucial role in fostering a healthy and active lifestyle among students at Kingston Engineering College (KEC). The college likely offers a variety of sports and athletic activities to cater to the diverse interests and preferences of its student body. Sports at KEC provide students with opportunities for physical activity, teamwork, and skill development. Our students have participated and won many awards/medals in various State level events and Anna University Zonal level events.

STUDENT PROGRESSION

Our college render support to the students throughout the placement process, providing training, counseling, and networking opportunities to help students achieve success in their chosen career paths. Ms.S. Aishwarya successfully got selected for the post of Assistant Engineer (CIVIL/PWD). Mr. Abburi Mahesh and Mr.Mani Rohith got a notable score in IELTS. Mr.N. Karthik Raja cleared his TANCET and joined his M.E. Manufacturing at Thanthai Periyar Government of Institute of Technology. Mr. Rohith PuttiReddy and Aalla Neeraj Krishna Prasad Reddy got a notable score in GRE and TOEFL. Mr. C. Kumaraguru selected for the for the post of Junior Associate (Customer Support and Sales) in SBI. Ms.S.K. Madhumitha, Ms.N. Sandhiya, Ms.P.V. Soundariya and D. Dharani cleared their TANCET and pursuing higher studies. Ms. M. Ramya is working as Branch Post Manager at Koranthangal BO, Vellore Division. Mr.S. Gokul cleared his TANCET and pursuing his M.Tech Polymer Science and Engineering at Anna University, Chennai. Ms. S. Deepika pursuing her M.E. Software Engineering at CEG Campus, Anna University, Chennai. Around 216 students got placed in reputed companies.



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CONCLUSION

I would like to conclude by expressing my thanks to the management for their tremendous support and direction, my respected colleagues in the faculty and administration for their unwavering cooperation, and the students for their outstanding achievement in the academics co-curricular and extra-curricular activities.