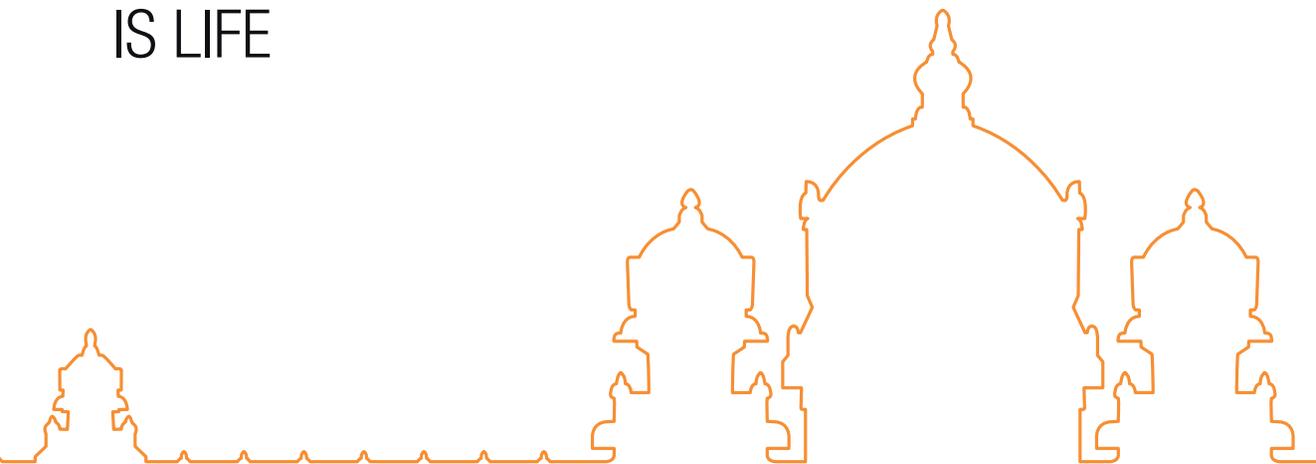




KUMARAGURU
college of technology
character is life

CHARACTER IS LIFE



Undergraduate and Postgraduate
Prospectus 2020

Insider

www.kct.ac.in

Character is life

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Welcome to
KCT

- KINDLE** your dreams
- CHOOSE** what to learn
- TEAM UP** for research explorations
- PERFORM** in clubs, forums and sports
- EXPLORE** global opportunities
- IMBIBE** ethics and values
- ENJOY** cool and vibrant ambience
- GAIN** life experience



**DISCOVER THE REAL
YOU**

Learn, Experience and Evolve.

Founder

ARUTCHELVAR Dr.N.MAHALINGAM

Arutchelvar Dr. N Mahalingam is the Founder Chairman of Sakthi Group, an industrial conglomerate operating in sugar, automobiles, finance, power and logistics. Dr. N. Mahalingam was a philanthropist, educationalist and a statesman. He established a number of educational institutions and is known for his support to various spiritual and cultural organisations.

He was born on 21 March, 1923 in an agriculture family at Pollachi to P.Nachimuthu Gounder, who started the Sakthi Group in 1921 by diversifying his traditional business of hiring out bullock carts to starting passenger transport services. Nachimuthu Gounder's only son Dr. N.Mahalingam joined the business in 1943 and helped grow the business to its current level. He was the founder of many educational institutions, from schools to colleges. Some of his educational institutions are Kumaraguru College of Technology, Nachimuthu Polytechnic College, Mahalingam College of Engineering, NGM College, Kumaraguru Institute of Agriculture and in his vision started Kumaraguru College of Liberal Arts and Science in 2018.

He held several important positions and played major roles fostering the development of agricultural, industrial, human resource and institutional development at the State and National levels. He served as a Member of Legislative Assembly of Tamil Nadu from 1952 to 1967 and was on the Tamil Nadu State Planning Commission for two terms. His social and humanitarian considerations took his journey beyond the boundaries of industries and scholarly tenets he nurtured.

He received the Padma Bhushan award from the Government of India in 2007 for his contributions to the nation in the field of



Trade and Industry. His other honors include Honorary Consul from the Government of Mauritius during 1989 to 1992 and a number of other recognition and awards.

The enigmatic life merged into the light on October 2, 2014, the birth anniversary of Mahatma Gandhi. Until the last moment, Dr. NM was doing what he believed and envisioned talking about Saint Vallalar's philosophy. Throughout his life Dr. NM carried the twin torches of Gandhian values and Vellalar's way of life and his life is a pathway to lead a life of consciousness.

Amazed by the achievements of Dr.N.Mahalingam in establishing industries and educational institutions, I asked him when he was about eighty years old, what his next mission was and he replied that he wanted to pursue research in Sangam literature. It was another reminder to me that visionaries don't age - Excerpts from Dr. APJ Abdul Kalam's Ignited Minds.

Your vision. Our path.



**Dr. B.K.Krishnaraj
Vanavarayar**
Chairman

Born in an ancient legacy, Dr.B.K.Krishnaraj Vanavarayar is a qualified barrister and an ardent educationalist. A zealous follower of the ideals of Swami Vivekananda and Mahatma Gandhi, he is committed to promote the cultural heritage and spirituality among the youth. As the President of NGM College and the Chairman of Kumaraguru Institutions and Bharatiya Vidya Bhavan, Coimbatore Kendra, under his mentorship, these academic institutions are scaling greater heights in multiple arenas that include academics, research, culture and value-based education.



Prof. Dr. K.Arumugam
Vice Chairman

Prof. Dr. K.Arumugam, is an educationist and administrator who earned his M.S from California University, the USA. He served as the Principal and Correspondent of Nachimuthu Polytechnic College, Pollachi. Under the mentorship of Arutchelvar Ayya, he made pioneering administrative contributions in the development of Kumaraguru College of Technology during its formative years.



Dr. M.Manickam
Vice Chairman

Dr. M. Manickam, a Management Graduate from the University of Michigan, USA, is the Executive Chairman of Sakthi Sugars Limited, Chairman and Managing Director of Sakthi Auto Component Limited and the Chairman of NIA group of Institutions, which include Dr. MCET and NPT College.



Shri M.Balasubramaniam
Correspondent

Shri. M. Balasubramaniam, Vice Chairman and Managing Director of Sakthi Finance Ltd, holds MBA from Notre Dame University, USA. He has under his able leadership the ABT Industries Ltd, which has two major divisions – Dairy and Automobile distribution. He is also Director in all the Sakthi Group of Companies. He is the Correspondent of Kumaraguru Institutions and Secretary of NGM College, Pollachi.



Shri M.Srinivaasan
Treasurer

Shri. M. Srinivasan, a Management graduate from Pennsylvania State University, USA is presently the Managing Director of Sri Chamundeswari Sugars Limited & Sakthi Sugars Limited. He was the President of South India Sugar Mills Association, Karnataka between 1997-1999 & 2005-2008 & President of Indian Sugar Mills Association, New Delhi, during 2012-13.



Shri Shankar Vanavarayar
Joint Correspondent

Shri. Shankar Vanavarayar is a next generation leader keenly working in the area of education, social impact, entrepreneurship, and culture. An MBA from the Cardiff University and a PG Diploma holder in International Education Management from the University of Leeds, he is involved in various businesses of the Sakthi Group. He is the past National Chair of CII's Young Indians and current member of FBN. Born into a rich ancient legacy, he is very passionate and committed towards the arts, architecture, culture and history of India.

Education is a process of awakening into the world of knowledge, experience and transformation leading into a life of inspiration and impact. The Kumaraguru campus strives to be an epicenter and ecosystem that instigates and imbibes core academics with experiential opportunities to learn. It is a space where tradition and modernity blends and growing with extraordinary opportunities of multidisciplinary, extra curricular and creative experiences is the culture. Kumaraguru is a place where values are inculcated, character is key, environment is celebrated and people are respected. Societal concern is central to the purpose and Kumaraguru works to equip for a successful career ahead and also builds one for a holistic and happy progressive life ahead.

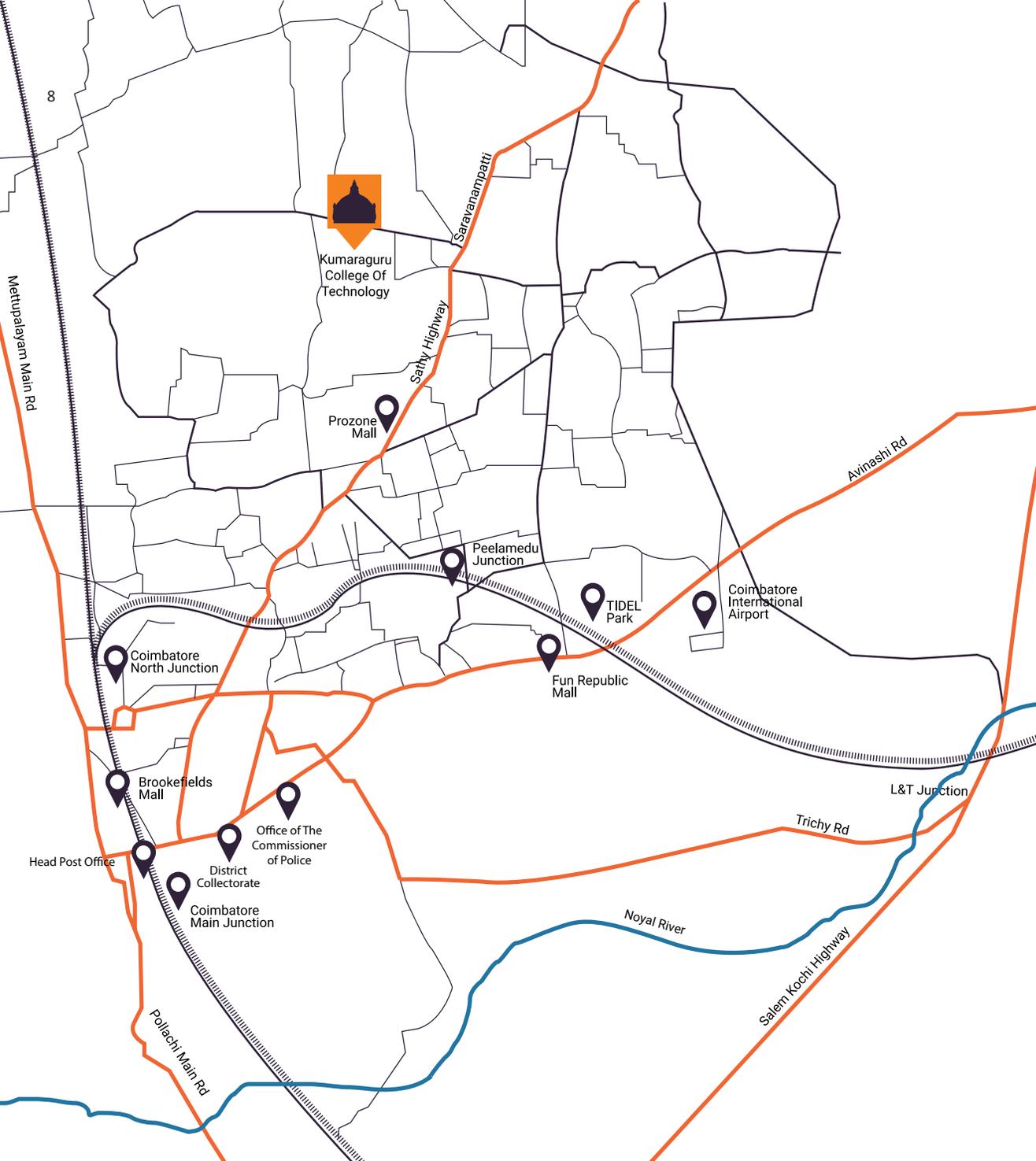
We in Kumaraguru and its wonderful campus await daily in glee to learn, transform and impact one another and together!

Shankar Vanavarayar

Joint Correspondent, Kumaraguru Institutions







Namma **COIMBATORE**





Facts

- Coimbatore is part of the Nilgiri biosphere and is home to some of the most unique flora and fauna in the world
- The city has the largest number of small scale industries and is known for its entrepreneurial spirit
- Industrialisation in Coimbatore began in the latter half of the nineteenth century with the setting up of Coimbatore Spinning and Weaving Mills by Sir Robert Stanes.
- A large number of manufacturers of auto components, safety critical components for diverse applications including aerospace, are based out of Coimbatore.
- The city is also home to indigenous engineering: the first indigenous pump was manufactured in 1928, the diesel engine for cars, in 1972.
- Strategically located, the city has easy connectivity to the neighbouring 4 states of South India and the rest of the world.
- Coimbatore is one of India's safest cities and a thriving education hub and home to 6 Universities.
- KCT is located in Saravanampatti, the Northwest of Coimbatore. This suburb is the first IT hub of the city.
- Forge, India's first hardware incubation centre, is part of the KCT group and is located in KCT Tech Park.

Why KCT?

With over 36 years of illustrious service, KCT aspires to be a destination for dedicated students who seek challenging academic programmes, co-curricular experiences, engaged faculty, and a vibrant campus culture that sustains the love of learning and builds commitment to responsible stewardship. KCT aims to deliver the best comprehensive and progressive education that aid students think critically, communicate effectively and understand the responsibility of giving back to society. The insitution understands it's devoir to help create healthy, just, and sustainable societies by equipping students to live with compassion, dedication, humility and dignity, and explore and aquire knowledge.

In the Pallet

**RANKED AMONG THE
TOP 100 IN NIRF FOR 5
CONSECUTIVE YEARS**

**AUTONOMOUS
STATUS
GRANTED BY
ANNA UNIVERSITY,
CHENNAI FROM
THE ACADEMIC
YEAR
'07 - PRESENT**

**NBA
ACCREDITATION
FOR
12 ACADEMIC
DEPARTMENTS**

**WINNER OF UTKRISHT SANSTHAN
VISHWAKARMA AWARDS 2020 -
THEME: "INDIA FIGHTS CORONA"
AWARDED BY MINISTRY OF
EDUCATION, GOI, AICTE**

**ARIIA RANKING -
BAND-A BY AICTE FOR 2019-20**

**SILVER MEDAL IN JAVELIN
THROW AT ASIAN PARA GAMES
HELD AT INDONESIA BY RAMYA
N.S.**, THE CAPTAIN OF KCT SPORTS
TEAM IN 2014

**TRANS PRIDE FOOD TRUCK BY
KCT TO AFFIRM TRANSGENDER
INCLUSION. THEY REACHED
TO 20,000 PEOPLE ACROSS 5
COLLEGES**

**YUGAM, ONE OF
SOUTH INDIA'S BIGGEST
TECHNO- CULTURAL
SPORTS FEST**



**KUMARAGURU ONLINE
EDUCATION - KOED IS AN
INHOUSE, ONLINE BLENDED
LEARNING PLATFORM WITH
MULTI-PRONGED APPROACH**

**165
TECHNICAL
LABORATORIES**



**ONE CRORE AND ABOVE SUM
OF RUPEES IS PRESENTED
EVERY YEAR TO THE DESERVING
STUDENTS UNDER THE MAHATMA
GANDHI MERIT SCHOLARSHIP,
FROM 2006**

**KARE INITIATED
& COORDINATED
PLANS LIKE
HELPLINE CALLS,
DISTRIBUTION OF
MASKS AND
SANITIZER, AIDING
POST-HARVEST
RETAILS FOR
FARMERS AND
DISTRIBUTION OF
FOOD DURING
THE PANDEMIC
LOCK DOWN**

**BAGASSE
GANAPATHY
GANESHA
MADE OUT OF
BAGASSE FIBRE,
THE SUGARCANE
HUSK BY
THE STUDENTS
OF NATURAL
FIBRE
RESEARCH
CENTRE**

**N MAHALINGAM TAMIL
RESEARCH CENTRE - NMTRC
TO PRESERVE, PROMOTE AND
PROPAGATE CLASSICAL TAMIL
LANGUAGE AND LITERATURE**

**KCT IPR CELL CONFERRED
WITH ANNA UNIVERSITY
INTELLECTUAL PROPERTY
RIGHTS (IPR) AWARD 2019**

The Campus

KCT has a sprawling campus of 156 Acres. Four academic blocks and an administrative block constitute more than one-fourth of the campus area. Playgrounds for various sports enfold 23 acres. The magnificence of this green canopy is great with the infrastructure for academic excellence, general facilities and four signature buildings such as Ramanandha Adigalar Auditorium, Jyothi Nilayam, Gnana Sabai and Temple.

Infrastructure for Academic Excellence



Mahatma Gandhi Central Library has been specially crafted to inspire an introspective learning experience. With large, open spaces, niches for collaborative work, creatively designed work platforms and an infusion of natural and architectural aesthetics, the centre unfolds new learning paths for everyone—student, scholar, researcher, teacher, visitor or just a curious mind. It is housed in the first floor of Dr. Mahalingam Vigyan Bhavan and covers an area of 16945 square feet. The compilation in the library is extensive owning 67598 titles and 107534 volumes and has a subscription to 186 print journals, 8829 online international journals and 59 magazines for scholarly communication. Central library also provides access to printing and e-resources. Open access system is being followed to access the books and journals.



Seminar halls

There are four seminar halls named after the legends of India, Dr. Vikram Sarabhai, Sir C.V Raman, Sir Visvesvaraya and Swami Vivekananda. Each hall accommodates 220 people. Added to these are four smaller seminar halls that cater to a strength of 150 people. These halls are lively with lectures and seminars almost on all days.



Labs

Laboratories in general circumvent the communication breakdown between theory and practice. Labs in KCT do this in the highest order with advanced laboratories, skilled technicians and ingenious academicians who help students to build the bridge between knowing and doing. A real world environment is created for the students to practice dealing with the nature of problems faced by the society and thereby are trained to apply their knowledge in real life scenarios.

NO OF TECHNICAL LABORATORIES: 165 | NO OF LAB TECHNICIANS: 102

Centres of Excellence



Bosch Centre for Automotive Electronics was established in KCT where faculty of different disciplines engage in developing projects using the facilities supplied by Bosch.



It is established in KCT to address the technological needs of the country and has MOU with industries like Dynaspede, Cameron, Thermax, Altair, Pricol, Forbes Marshall etc, to facilitate researchers and industries to interact and collaborate.

SIEMENS

To help students take an extra mile industrial automation for building a technology of superior quality, Siemens automation lab is set in KCT. This lab will give hand-on training on research and testing in automation.



Thick India Innovation Centre (TIC) is set up for students to develop project ideas into real time kits. It will focus on building students' knowledge on the latest trends in embedded systems and IOT applications.

◆ YOKOGAWA

A pioneer in the area of Distributed Control System (DCS) has established its center in KCT to train students, academicians and technicians of electronics and instrumentation engineering with the latest industrial practices and needs.

FLUKE®

Fluke Corporation, the world leader in the manufacture, distribution and service of electronic test equipment and software is set up in KCT with an aim to enhance students' practical knowledge in calibration.

salzer®

Salzer innovation center (SIC) in KCT aims at developing knowledge base to the students in the area of design of circuit breakers and relays. The centre is equipped with latest CBs and relay setups for enriching students knowledge in field of Switch gear components.

Campus Facilities

Health Assistance

KCT ensures immediate medical assistance on campus. Aruljothi Medical Centre on campus is an eight bedded hospital with two doctors and nursing assistants. Students requiring special help and treatment are accompanied to the nearest multi-speciality hospitals.

Bank

Karur Vysya Bank has an extension counter on campus with an ATM. Besides this, Axis Bank ATM also functions inside the campus.

KMart

KMart is a retail establishment in KCT offering a wide range of consumer goods such as clothing, home appliances, cosmetics, sporting goods, books, electronics, stationery etc.

Laundry

This facility is available on campus for all. Services such as washing, drying, steam ironing and dry cleaning are given using hi-tech steamers.



Hive is an associated smart stay of KCT is situated at a distance of 2 kilometers from the campus. This exclusive men's stay provides home for an affluent living with 68 rooms.

Food Courts

Food is an experience. The **KORE** cafeteria in the campus that can serve 1000 at a time, provides hygienic, quality, timely and tasty food adding to the living and learning experience of the students, faculty and visitors. This cafeteria is located opposite B block. To the East side of the campus, is the East Kore cafeteria named Namma Cafe. It is located right behind Mahalingam Vigyan Bhavan. This cafe can feed 450 individuals at once. Further behind is the Kore Campus Dining that can serve 240 people at every meal.



Namma Cafe, K's Cafe, Munch Box - Students immensely love these places because the chefs and the people who assist in running the cafeterias do not compromise on the quality and hygiene of the food and the place. These spacious & trendy cafeterias not only sharpen the taste buds of the students and teachers but also becomes a meeting place for exchange of intellectual, humorous and thought provoking conversations.

Transport Services

The college has a fleet of buses and mini buses to transport students and staff from different places, in and around Coimbatore.

These buses operate along 18 different routes starting at 6:30 AM from various locations that include Pollachi, Tirupur and Mettupalayam.



Hostel

There are six blocks for men student residents and three blocks for women student residents. accommodating 2335 students in 445 rooms and 987 students in 329 rooms respectively. Rooms are allocated on a triple sharing basis. Both the divisions are equipped with their own dining area, washrooms, lobby, terrace, etc.

Vallalar Maiyam and **Sarada Maiyam** are the facility centres for men and women student residents of KCT. These centres provide a roof for a TV hall, access to wifi, recreation room, and K's cafe to enable the residents experience a home away from home.



Hostel Dining

KCT's resident dining is considered the kitchen of their second home as it lives up to the expectations and standards of the student residents and their parents. The residents are served a tasty, healthy and a home like vegetarian food, three times a day. Residents are given a membership to use this facility. The smooth functioning of the dinning is assured by a team of members who work under the leadership of the manager.



Temple

The Gnana Vinayagar Temple at the main entrance of the college gives a promising start to each day. Presence of the Almighty gives a spiritual support.

Ramanandha Adigalar Auditorium

This air-conditioned auditorium accommodates 1400 people on a go. It houses a class of a stage and fine acoustics adding to the significance of the events held here. This place is widely utilised to host notable functions and events.



Jyothi Nilayam

It is the hospitality suite of KCT known for its ambience. Jyothi Nilayam, inspired by the classical South Indian courtyard style homes is built to the wishes of our founder Arutchelvar Ayya. With an area of about 24,000 square feet, this centrally located guest facility is an addition to the architectural beauty of KCT. A spacious central courtyard is nestled by the Jyothi shrine with 14 guest rooms, conference room, a guest lounge and the dining hall. This facility plays host to important events and special guests.





Gnana Sabai

Gnana Sabai is a meditation space at the Mahalingam Vigyan Bhavan to affirm the oneness of God in the form of Jyothi. With a 2260 square feet built-in area, Gnana Sabai is replete with serenity and is open for anyone who wants to practice mental stillness and relaxation through meditation. The centre is designed to offer an ambiance for one to indulge in mindfulness and connect with the inner self. An eternal Jyoti lit in the meditation centre symbolises that God is one.

Life at KCT

PUTTING STUDENTS FIRST

KCT strives to augment the quality of life of the students by sowing the seeds of quest for Knowledge, Character and Transformation. In the campus there are opportunities galore to hallmark their individuality and are respected, mentored along with great networking and possibilities. An epitome of excellence, this campus makes them individuals of dignity and helps them become what they want to be.

A student's life at KCT is largely taken care by the Students Sphere, officially called the Office of Student Affairs. It is a one - stop connection for all student needs and creates the best possible college life for each student. The team of people here ensure that the students are heard, answered, and they strike neutrality. They recognize that every student is unique and kindle the right spark that keeps the students highly charged and motivated from within for life.

With this they also work for the development of an engaged community comprising of students, faculty, parents, and alumni where meaningful and authentic exchanges are valued. They facilitate programmes that foster the progress of students in personal well-being, personality development, extracurricular, co curricular, and curricular activities. Addressing grievances is an art of sensitivity and this team performs this art at its best, leading to a meaningful long term relationship with students, parents, faculty, and alumni.



Clubs

Expressive Arts

The art forms such as fine arts, music and dance are given a salient space, with clubs of their own - **Varnam Club, Haasya, Dance club, Music club, and Drama Troupe.** These clubs create opportunities for the admirers of dance, music, drawing, painting, embroidery, ornament crafting etc, to unveil their skills and the creator in them. The activities, workshops and initiatives that happen in the club are woven to develop the creator's creativity, aesthetic sense and the intellectual content, further. The beauty of identifying, developing and sharpening such skills is that, it doesn't stop with fine arts, music and dance alone. They disseminate into other areas of their life, thereby making them significantly conspicuous.

**5 EXPRESSIVE ARTS CLUBS
53 ORGANIZED AND PARTICIPATED
EVENTS IN 2018 – 19 | 23 AWARDS IN
REGIONAL CULTURAL COMPETITIONS IN
2018 TO 2019 | OVERALL CULTURAL
CHAMPIONSHIP AT PIMS AURA'18
SEMI FINAL QUALIFIERS AT WORLD
HIP HOP CHAMPIONSHIP**

Literature

Clubs named Sahitya, Kural, Soil and Tamil Mandram are a promising platforms for students to cultivate a passion for literature, creative writing, quizzing, debating, etc. Through their journey in these clubs, students become independent thinkers, learn to have opinions, stage them, become inquisitive about opinions of others, explore other facets of their own personalities, and become speakers and writers of conscience.

**4 LITERARY CLUBS | 17 ACTIVITIES FOR
THE YEAR 2019**

Social

Nature Club, Puhupaavai, Volunteer Blood Donation Club, Gandhian Youth Movement, Able Club, Rotaract, Youth Red Cross, Road Safety Patrol and Red Ribbon Club are a substantial part of our campus where our student volunteers make a significant contribution to meeting the needs of the **vulnerable people in the society.** - these clubs in the college are dedicated to the grass root work in the society. They become the foundation of social exposures to most students. This is where they see, hear and feel some of the most hard realities of life of people next door and they also rise up to realize their social responsibilities.

**9 SOCIAL CLUBS | 39 ACTIVITIES IN
2018 | 450 UNITS OF BLOOD COLLECTED
FROM DONORS | ABLE CLUB
INAUGURATED IN 2018 | 50 ACTIVITIES
IN 2018 | VILLAGE ADOPTION CAMP AT
PUNGAMPALAYAM VILLAGE | SCRIBE
WRITING**

Nature

A club for nature loving community in KCT was started in the year 2009. The club engages its members in eco-activities, thus moulding their lifestyle to live in harmony with nature. This club inculcates a sense of self - discipline and promotes leadership excellence in every member. The KCT Nature Club is backed up by a team of eco-warriors in the planning and execution of its activities.

**YEOCROFT STARTED IN 2017 : AN
ORGANIC WAY OF FARMING ON THE
CAMPUS TO SUPPLY ORGANIC FOODS.**

**THE FARMING: PLOUGHING - REMOVAL
OF DEBRIS - IRRIGATION WITH RAIN GUN,
PUMPS, SPRINKLERS ALONG WITH DRIP
IRRIGATION FROM THE TANK THAT HOLDS
30,000 LITERS OF WATER.**



NCC and NSS of KCT perform in tandem doing their duties to Mother India.



National Cadet Corps (NCC)

The motto of National Cadet Corps says Unity and Discipline and the cadets of NCC at KCT perform at the peak of their endurance and diligence to attain Unity and Discipline. NCC cadets of KCT never fail to become out of the ordinary. KCT is immensely proud to house a unit and does all it takes to encourage and support the cadets' patriotism, passion, commitment and dedication to be a part of the Second Line of Defence. The NCC unit of KCT has an Army boys wing, Army girls wing, and Air wing.



NCC CAMPS 2018-2019

- 5 CADETS AT RDC 2019, DELHI**
- 1 FIGHT CADET AT AIVSC 2019, JODHPUR**
- 1 CADET AT AITSC 2018**
- 2 CADETS AT ARMY ATTACHMENT CAMP, SECUNDERABAD**

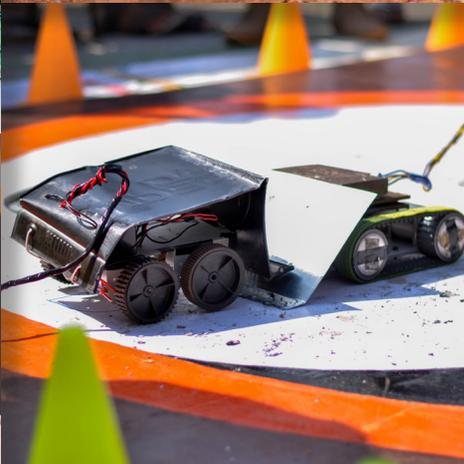
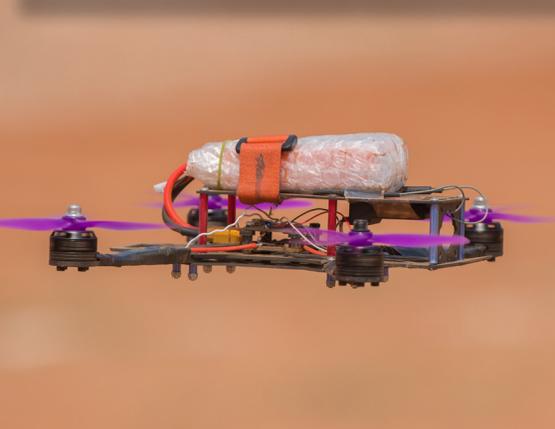
National Service Scheme (NSS)

The students of National Service Scheme of KCT involve in year round programmes, activities and camps to stay connected with the communities around. Working for the welfare of the neighbouring communities is a birth responsibility of every citizen and not a choice and the NSS volunteers of KCT are imbued with this moral.



NSS CAMP 2019

- 7 DAYS AT ELLAPALAYAM VILLAGE, KOTTAIPALAYAM ORTHO CAMP VETERINARY CAMP ENT & DENTAL CAMP, EDUCATIONAL AWARENESS CAMP**
- 2 ORGANIZATIONS | 76 ACTIVITIES FOR YEAR 2019**





Technical

Technical clubs are places where the curriculum is given life and purpose for use.

Aeromodelling

A club where aero enthusiasts are trained on various models of flight, training in RC simulator and real flight mechanisms. Students are trained to fly different models and become skilled flyers. The club kindles a lot of interest among the students in Unmanned Aerial Vehicles (UAV). They practice to troubleshoot the problems in flying an UAV, and understand them in real time. Students participate in national and international level competitions.

Society for Automotive Engineers

KCT SAE collegiate club is for those who are fascinated about the trends in automobiles and who want to have a hands on experience working in various projects conducted by SAE international.

Robotics and Automation Forum

Robotics and Automation Forum is for those who are fascinated about the trends in Robotics and who want to have a hands on experience working in various projects

Students for the Exploration and Development of Space (SEDS)

Promotes the exploration and development of space. SEDS pursues this mission by educating people about space and its living. SEDS is a chapter based organization with chapters throughout India, United States, Canada, United Kingdom, Asia, Latin America, and the Middle East. Each chapter is fairly independent and coordinates activities and projects in its own area.

4 CLUBS | 24 EVENTS FOR YEAR 2019

HAM Club

HAM Club was inaugurated in the year 2018 for the passionate people nurturing special interest in wireless communication technology. The Club members supported in relief activities during the Gaja Cyclone in Karaikal, establishing connectivity with people and other sources of support. For the first time in KCT 95 students were impacted and have applied for the ASOC exam.

Student Research

Life in KCT is busy for those students who want to nurture their brain with inventions and discoveries through research. Student research centres are innovation zones for the tech enthusiasts that help them unleash their exploring skills thereby endorsing the possibility of realising their dreams. RiG – the acronym for the three thriving student research forums - Ré, the student research cell of KCT, iQube, the student-centric inter-disciplinary innovation centre and Garage, the student involved product development research centre for automotive developments promote active inter-disciplinary research leading to build an ingenious research ecosystem in the campus.



iQube was founded in order to bridge the gap between the students workforce and industry demands. It builds technical expertise among the students to equip them to build practical solutions for real-time problems, along with an industry or by themselves. An innovation centre for tech enthusiasts aims to bring out the explorer and maker within. It further helps tech enthusiasts to convert their innovative ideas into commercially viable and technically challenging prototypes. It also provides guidance and mentorship in finding a path to achieve what one always dream of.

Milestone projects

Covid Bot

Supports hospitals to deliver Medication's, food and monitor patients without going near the patients.

Smart Car Parking System

The project provides a solution by minimalizing the complexity of parking vehicle in large parking slot

PH / EC Detection for Hydroponics

Provides smart sensor for hydroponics system for large scale. Secured first position in Smart India Hackathon 2018, Mumbai

Telegram Bot

The project brings up the students of Kumaraguru Institution in a centralized platform for information transmission via telegram as a medium

Google Summer Of Code 2019

Surya Shankar's code is accepted for summer guidance program, mentors assigned and code published in the Open Source Community by Google

Until Hackathon 2019

Iqube members participated in United Nations Hackathon hosted by SAP which was conducted at New Delhi, India.

GARAGE

Garage is a student involved Product Development - Research Centre of the automotive sector. Students here design and construct vehicles that include terrain vehicle, supra vehicle, quad bike, dirt bike, go - kart and solar karts. Garage is specifically a workshop, where students design, analyze and fabricate different types of vehicles or parts of a vehicle and compete in various motor sporting events around the globe.



Motor sporting teams

Team Blitzkrieg

Team Blitzkrieg is a team that designs and fabricates All-terrain vehicles.

Team Sakthi Racing

Team Sakthi Racing is a team that designs and fabricates Formula cars.

Zeall Racing

Team Zeall Racing is a team that designs and fabricates Go karts.

Team Legion

Team Legion designs and fabricates all-terrain vehicles- Quad Bike.

Team E-blitz

E-Blitz Racing is a team that designs and fabricates Electric All-terrain vehicles.

Team E-Zeall

Team E-Zeall is a team that designs and fabricates Electric go karts.

Team Leviathan Racing

Team Leviathan Racing is a team that designs and fabricates Two Wheler 250cc Sports Motor Bike.

Team Freestyle Riders

Team Freestyle Riders is a team that designs and fabricates Mini Dirt Bike below 100cc.

Recent Achievements

Sakthi Racing (SUPRA vehicle)

8th rank in Formula Student category of SAE Supra 2019 all over India & 2nd in Tamil Nadu

Overall champions and winners in the category of Autocross, Skidpad and Fastest Vehicle at FFS India 2019 conducted by FMAE during Sep 2019.

Zeall Racing (Go-Kart)

Overall Runner Up and Cost Evaluation - Winner in FKDC event for Go karts during Oct 2019.

Overall Runner up and Skid pad winner of GKDC by ISNEE, Kari Motors Speedway, Coimbatore in Feb 2020

Team Legion (All-terrain vehicle)

Won the Hill Climb Winner Award and overall 8th position in QuadTorq 2019 conducted by ISNEE in Sep 2019.

Runner Up in Traction conducted by QBDC by FMAE at FMAE Motopark, Hyderabad in Feb 2020.

Ré aims to cultivate and promote research and explorative culture among the student community at KCT and through this inspire students around the world. KCT's Platform for Research and Exploration (Ré) is a start-up initiated and run by the students with the aim of instigating a research culture among the student community. Ré offers technical expertise and financial support to many student projects every year. Ré as a team strives to provide engineering solutions to world problems by mentoring, guiding and incubating students' research projects targeted to solutions. Students gain continued guidance through combined efforts of other research forums of KCT such as iQube, Garage, CEAD, and Forge.

Statistics

450

students engaged
in **42** projects
from 2016

17

projects
in progress

19

papers
published

02

projects developed
into commercial
products.

Natural Fiber Research
Center is set up in KCT
as an outcome of a
project.

2

Explore And
Education Cell
Student Talk

2

Coffee
Table
Talks

3

Master
Classes

98

Participants in
RIGATHON

Tinker And Thinker
Summer Camp

Research Essentials
Programme

Awards at National Level

AICTE Chhatra Vishwakarma Award

AICTE Most Promising Student Innovator Award

i3- iCreate Award



RIDE

Research, Innovation, Development & Entrepreneurship

Industrial Research Centres

KC.IRI

KUMARAGURU KC.IRI
CENTRE FOR INDUSTRIAL
RESEARCH & INNOVATION

KC.IRI, Kumaraguru Centre for Industrial Research and Innovation was launched in KCT commemorating as a focused Research & Innovation ecosystem in symbiotic collaboration with Industries for the promotion of industry-specific applied research, innovative product development, advanced learning and skill development programmes. It connects Industry with KCT academia to facilitate research, development, and process improvement in industries and increase research output of KCT faculty.

KC. IRI focusses on four domains of service such as Industrial Research and Consultancy, KCT Innovation and Project Development, Skill development and Manufacturing and Advanced learning programmes.

KCT INNOVATION & PRODUCT DEVELOPMENT CENTERS

- Unmanned Aerial Vehicle
- Autonomous Vehicle
- Student Satellite
- Design Project Competitions

INDUSTRIAL RESEARCH & CONSULTANCY

- Industry Research Projects
- Consultancy Services
- Student Internships & Projects
- Advanced Research Centres

KC.IRI

SKILL DEVELOPMENT & MANUFACTURING HUB

- UG/PG Students internship
- Skill Development - NSDC / PMKVY
- PGD Students Training
- Prototyping Support to Industries
- Manufacturing & Testing Services
- Faculty & Student Research

ADVANCED LEARNING PROGRAMS

- Competency Development Centres
- PGD / ME - Product Engineering
- PGD / ME - Automotive CAE
- PGD / ME - Embedded Systems
- PGD / ME - PLM & DM



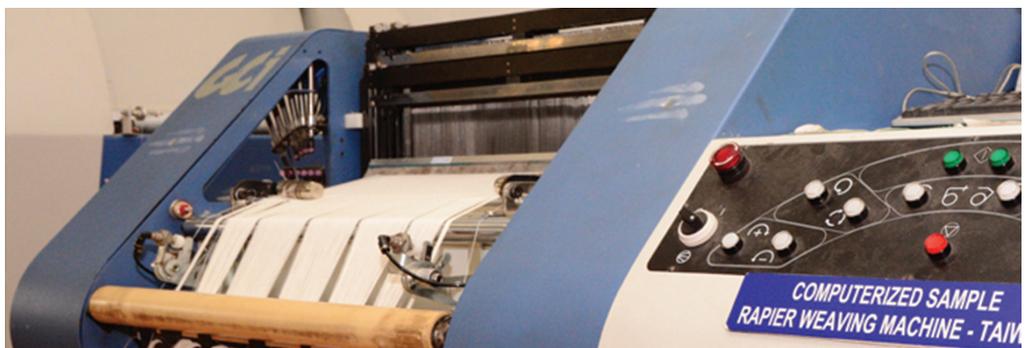
KC.AIR

Kumaraguru Center for AI & Robotics - KC.AIR was established in the year 2019 with a vision of becoming a global hub to conduct research and innovation in Robotics and Autonomous systems. The center has multidisciplinary expertise in mechanical, electrical and electronics and computing domains includes reverse engineering, CNC Manufacturing, UWB RTLS, LORA, ROS, AR, VR and mixed Reality. Currently, the center is operating with 4 ongoing projects of worth Rs. 1.5 crores funding from various govt agencies and industries. With strong collaborations with Ministries, Scientific Societies, Academia, Industry and start-ups such as Meity, CDAs, and IITs, it further intends to strengthen with more collaborators from academia and industries.

KCT TIFAC CORE



Technology Information, Forecasting and Assessment Council - Centre of Relevance and Excellence (TIFAC CORE) is the first centre of its kind dedicated to the textile/apparel sector in India and is sponsored by DST- Govt. of India & Textile Industries. The centre foresees to make the Indian textile industry the global leader by developing human resources of world-class and by undertaking research in frontier areas relevant to the Indian textile sector. The centre is extensively used by the students and faculty for their research projects and generates revenue through technical consultancy services for product development, testing, training, and workshops for industrial personnel and academicians.







Forge as a partner incubator empowers Government, Industry, and Academia to exploit strategic opportunities through Innovation powered by deep-technologies such as artificial intelligence, data science, robotics, power electronics, augmented reality/virtual reality, and IoT.

Over the past few years, Forge has been recognised as the Partner Incubator for iDEX by Min. of Defence, nominated as the principal nodal centre for anchoring the Smart India Hardware Hackathon by MHRD & AICTE, approved by AICTE to offer a unique 2-year MBA in Innovation, Entrepreneurship, and Venture Development. As the Strategic Incubation Partner for Corporate Open Innovation programs, Forge has engaged with Bosch for its Accelerator program, managed the execution of the Schneider Innovation Grand Challenge, and is currently spearheading Vedanta Spark, a global innovation challenge and corporate accelerator program launched by Vedanta Limited.

Most significantly, Forge has been nominated as the Partner Incubator by SIPCOT, a Govt. of Tamil Nadu undertaking under the aegis of the Industries Department, for the establishment of Industrial Innovation Centres in each of the SIPCOT Industrial SEZs.

Since its inception, Forge has played a dominant role in incubating startups and prototyping innovations totalling to 134 in number currently at different stages of innovation, acceleration, and investment. Forge as the Partner Incubator is on a mission to build a national-scale ecosystem bringing together Government, Industry, and Academia to foster industrial open innovation.



ProtoSem is an Open Innovation Fellowship Program, designed and developed by Forge embedding an innovation centered approach to engineering education. The program has enabled several students with the necessary skills and competencies to solve a lot of real-world problems and develop tech-enabled solutions for the need of industries, corporations, startups, and society.

ProtoSem thus imparts sound practical as well as conceptual knowledge through co-creation opportunities with experts, mentors, and practitioners, which has proven to enhance the employability of the students across sectors and sets the students towards an accelerated career path.

We were able to develop our skills, which actually helped us to convert our PoC into deployable MUP. With the guidance and mentorship provided by Forge and external mentors, we building our MUP into the product.

Muthu Periyaval

ProtoSem Batch IV | B.E. EIE - Batch 2015-19

Mental and Physical Well-being

Every child born on this earth is skilled in his or her own way. At a certain age it's left to the mentors, guides to appreciate this and groom them. KCT values this deeply and in the light of this it constantly work towards shaping up to suit every student; identify their strengths and help them capitalize it. And with this they rise up to realising their dreams. To facilitate their wellbeing there are two tailored services that is driven to the motto of 'Students first'.

Sowing seeds of care and hope

Counseling

Counseling for personal well-being is yet another active forum in KCT where the student guidance process takes place in a one-to-one, and confidential environment. The counselor, who is highly empathetic assists the students in the areas of their need. Students find the discussions with the counsellor very useful as the sessions take care of the intentions of the students and motivates them accordingly. They are guided on different perspectives and with a non-judgemental attitude, thus leading them to find a solution on their own.



Your **DOST**

Kumaraguru Institutions, as a supplement to the proposed Wellness Centre and the existing Kumaraguru Counselling services offered at the campus, has collaborated with India's leading online emotional wellness platform, Your Dost that ushers expert advice from 900+ Experts, with complete privacy, confidentiality and anonymity to deliver extended support to the learning community that ensures mental and emotional well-being. The students get live support from the counsellors available online at any time of the day on a range of subjects including stress, time management, confidence building, career coaching, relationships, sexual wellness and much more.

Talk to experts virtually : www.yourdost.com

Igniting young minds

Mentorship

Mentoring at KCT is envisaged to enable professional socialization and personal support to facilitate success. It foresees holistic development of the student and helps him set a goal of clarity and enable him to achieve.

With the advent of technology, students today are exposed to new information and ideas constantly. Sometimes this could be an overdose of information and they battle with ideas, not knowing what to do next or how to do it. Having to make good decisions is very critical to success. And it is a skill that comes with having high clarity. Mentors at KCT are well versed in this and help students fine tune their path.

A mentor at KCT will wear several hats over the course of his or her students' professional development - he is a skill consultant who sharpens his mentee's intellectual and professional skills, a career consultant who helps the mentee see a diverse view of his career. The guidance go beyond this and the mentor stays as a pillar of strength for the students and they have proved their mentorship to nurture the students for a class apart.



MAHARAJA'S COLLEGE
WOMEN'S UNIVERSITY
MUMBAI



KCT

Involving in a physical activity is a point of crux where the individual is moulded for a holistic well-being and in KCT, the holistic well-being of each student is assured also through sports and other forms of physical activities.



Sports

Academics achievements and sporting excellence are synchronous in KCT. The sports facilities on the campus is conducive to any kind of sports.

ANNA UNIVERSITY ZONE XI TOURNAMENT OVERALL CHAMPIONS FOR THE 7TH CONSECUTIVE YEAR IN 2019.

WON THE 76 TROPHIES IN 2018-19 AMONG WHICH ARE 47 CHAMPIONSHIP AND 29 RUNNERS UP TROPHIES

Outdoor

In the sprawling ground of 23 acres various sports activities such as, Football, Hockey, Cricket, Basket ball, Volley Ball, Ball badminton, Kabaddi, Tennis, Handball, Kho-Kho, Throw ball and outdoor Gymnasium find their enthusiastic players. This sports ground goes through regular maintenance to support and encourage the sportsmen and sportswomen of the college.

Indoor

Martial Arts

The Hall of Martial Arts of KCT trains students on a variety of martial art forms such as Wushu, Karate, Silambam, Fencing, and Boxing. Performing martial arts prepares the students' mind and body for a self paced steady growth.

The beauty of students getting trained in yoga and martial arts while studying here is that, they are able to strike a mental balance with a series of academic activities they go through and their performance reflects this.

ARCHANA OF III MECH WON THE BRONZE MEDAL IN THE NATIONAL WUSHU CHAMPIONSHIP.

K.NIRESH KUMAR OF III MCE WON THE GOLD MEDAL IN NATIONAL KARATE CHAMPIONSHIP.

K.SRINIVASAN OF I CIVIL PARTICIPATED IN THE INTERNATIONAL FOOT BALL CHAMPIONSHIP.

RAVICHANDRAN NANDHAGOPAL OF II AERO PARTICIPATED INTERNATIONAL SILAMABAM CHAMPIONSHIP.

TENNIS MEN TEAM WON THE RUNNERS UP IN THE ANNA UNIVERSITY INTER ZONE TOURNAMENT.

Badminton courts

Dr. Arumugam Study centre houses six badminton courts. It attracts a lot of players and has seen a large number of great players.

Yoga

Yoga, an alternative medicine for health and fitness, is open to students who wish to learn the art of being in the pink of physical and mental health. Hence the college provides the best Yoga training possible for the students.

AGAM CLUB

23 Yoga events in 2019

Dr. N.Mahalingam Chess Academy

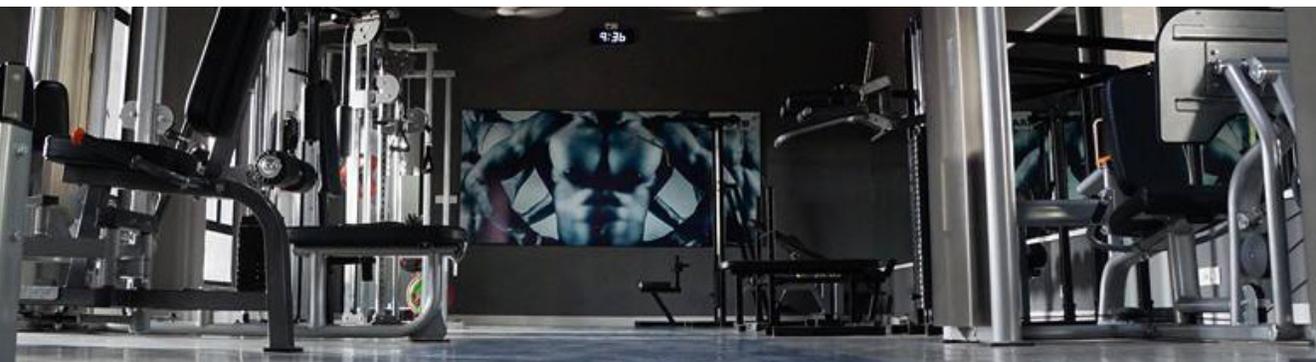
Dr. N.Mahalingam Chess Academy bolsters the skills of the chess talents in the college through chess coaching camps, practice sessions and tournaments, making them prodigies.

DR. N.MAHALINGAM 28TH NATIONAL UNDER 17 OPEN & GIRLS CHESS CHAMPIONSHIPS 2017, A NATIONAL LEVEL CHESSTOURNAMENT IN COIMBATORE AFTER 20 YEARS.

170 STATE LEVEL CHAMPIONS FROM OVER 21 STATES COMPETED IN THIS 9 DAY TOURNAMENT AND WINNERS REPRESENTED INDIA IN WORLD CHESS CHAMPIONSHIP AND COMMONWEALTH GAMES IN 2018.

Kraft

The gym named KRAFT resonates a healthy mind in a healthy body. The significance of KRAFT is that it is in-door and spreads over an area of 2400 square feet. The gym equipments are well tested, maintained and adhere to the international standards. This in-door unit is separate for men and women users.





Resident Life

Life in the campus of KCT is delightful! KCT resident halls are an integral part of the college campus and strives to make the students' living and learning experience as seamless as possible. Living on campus puts students within the walking distance of campus resources including classes, office of faculty, dining, recreation facilities, sports fields, and the library.

KCT has been a haven for me which made to realise the worth in everyone of us. I, for one, who had never been on stage during my school days was prodded to believe in me and today people call me the MIC Man, thanks to Kumaraguru ecosystem! From being an ordinary engineering student and a reluctant boarder at the campus hostel, life at KCT shaped every inch of me. Waking up refreshed to the chirping of birds, rushing to Vallalar Mayyam for the delicious breakfast, balancing academics and club activities, the campus moulded me to become a complete individual with an extraordinary opportunity to explicitly learn the important lessons of life hacks. To put it in a nutshell I came in with a lot of questions within and today I am happy and content with a lot more memories and learnings.

Jai Suriya M

B.E - E.C.E
2016-2020

KCT is a place of umpteen opportunities. It gives the students an array of clubs to choose from apart from academics. I was a campus resident and this made it is very easy for me to go about with these club activities and take an active part in them, as they take place mostly after college hours. Life at KCT is almost a parallel culture, an encounter that takes you out of your comfort zone and exposes you to several experiences worth your time and energy. It is a place of learning, friendship, bonding, sacrifice, and enjoyment. It is a hospitable environment. There are students from every part of Tamil Nadu, and also from other states which makes this place a plethora of colour, customs, and habits. People here instantly bond over and learn each other's way of life. And to top it all, being in the hostel has helped me polish my management skills, be it time, money or relationship. It gives me an upper hand being in the hostel when it comes to academics, I have ready access to all the facilities like library and labs. On the whole, it is a home away from home.

Kiruthika J

B.E - CSE
2017-2021



Department of Human Excellence

The Department of Human Excellence functions with a mission to impart knowledge on ethics, Indian culture, spiritual principles and values in a modern idiom to the youth through a scientific and rational approach. It is indeed the right prescription for the Indian youth today who wish to succeed in a modern, competitive, and global environment without losing inner poise and the intrinsic joy of life. The Department offers a one-credit mandatory course on values for all UG programmes from first to seventh semester.

SEMESTER	COURSE	FOCUS
1	Personal Values	Knowing the self, Physical & Mental Wellness
2	Inter Personal Values	Developing harmony in the self & others
3	Family Values	Essential Values for harmonious family
4	Professional Values	Ethics with professionalism & Value based Leadership
5	Social Values	Sustainable Society & Social welfare
6	National Values	Essence of Indian Knowledge Tradition
7	Global Values	Global Peace, Harmony and Unity

Mahatma Gandhi Study Centre

The centre focuses on a generous education on Gandhian principles through lectures and programmes. These inspirational lectures, aiming to pass down the values and thoughts of this great leader, are open to students, faculty and others. Mahatma Gandhi study centre has a vivid collection of Gandhian books and a photo gallery that leaves the viewer amazed and indebted to the Father of the nation. The centre also reaches out to social work through its Gandhian Youth Movement wing.





Swami Vivekananda Study Centre

Vivekananda Study Centre

'Arise, awake and stop not until your goal is reached'
- Swami Vivekananda.

He has been a way of life for many across the world for over 12 decades and his preachings have been a path to transformation. Vivekananda Study centre aims at bringing the evolution of responsible citizens by adhering to the aim of building a nation with responsible citizens. It is achieved through clear objectives. The centre's activities revolve around creating an enlightened youth, empowering them, channelling their energy towards character building and thereby enriching the nation.



STUDENTS LEADERSHIP COUNCIL

©2020, Wednesday, 24 August 2020

Office Bearers 2020-2021



Venkat Prasad S
Aeronautical Engineering



Julash T
Automobile Engineering



Jenifer Gabriella B
Bio Technology



Haran T K
Civil Engineering



Armaan Sait
Computer Science and Engineering



Sukirtha S
Electronics and Communication Engineering



Yaswanth Kumar SK
Electrical and Electronics Engineering



Shobana M
Electronics and Instrumentation Engineering



Caroline Linda J
Fashion Technology



Kavipriya KS
Information Technology



Sarjeev Kanna G
Master of Business Administration



Vijay Kumar M
Master of Computer Applications



Aswath D
Mechanical Engineering



Dhanaprasath P
Mechatronics Engineering



Harini T
PG



Nithish Kumarr LK
Textile Technology



Barath M
Academics (Research)



Sethupathi R
Academics (Innovation)



Muhsinul Islam MM
Academics (Design)



Raghuvandhanan KS
Learning and Development



Minu Priya T
Ethics & Values



Dural Isaac Jafferson M
PG



Aathish Vicram JS
PG



Lakshmi PL
Dissertation



Shree Ram SG
National Organisation



Cibi Karthik B
Entrepreneurship



Mounica Sree KG
Social



Sanjay K
Social



Arjun V
Sports (Mini)



Tharangani PV
Sports (General)

Building Leadership

At the heart of every moment that leads to a revolution, there are connecting strings of stories that tie people from different walks of life together - stories of heroes, stories of love, compassion and need. And it is from these stories that communities build up to support each other, stories from the blood and nerve of strong communities. Shakespeare shaped thinking of mankind for centuries with meaningful fables. And in KCT, this is what drives us.

The Centre for Leadership Empowerment and Development (CLED)

The Centre for Leadership Empowerment and Development (CLED) of Kumaraguru Institutions aims at holistic development of individual through a holistic approach and to continuously effect social change by creating leaders who will contribute for the Nation building process. CLED creates avenues for aspiring students, faculty, alumni, NGO's, Entrepreneurs and professionals to prepare themselves for various leadership positions. Super60 and the Leadership Council of the college come under the umbrella of this wing.



Super60 is a league of aspiring students, trained and mentored for excellence, surpassing ordinary standards. Selection of students for this tailor made programme focuses on testing their level of perseverance, diligence over the academic scores. The Super60 programme, hands-down helps these self-motivated and visionary individuals to transcend, and the genius doesn't stop here. Their gleam impacts their peers, as a feather on the cap.



Leadership Council is an advisory body comprising student presidents of all academic departments, heads of student clubs, sports captains, and NCC student officers. The purpose of the council is to facilitate students in curricular, co-curricular, and extracurricular activities, and resolve student issues. The council works with the management of KCT to make the student experience in the campus holistic. They also contribute to decisions based on institution's reformation.

Pursuing Excellence

Achievers Award 2020



Hanu Priya I Icon of the Batch 2020

Ambitious / Vibrant

A prodigious ECE graduate of KCT, Hanu Priya's innovative engineering solution for Climate Change fetched her a fully sponsored trip to the Startup Day in Estonia. Awarded by the President of India for her innovative solution in Sustainable AgriTech in the 'World Food India Hackathon' Hanu is proceeding to Cambridge University for her Masters Programme.

Selvi S

All Round Performer of the Batch 2020

Dauntless / Visionary



During 4 years of journey as ECE aspirant, Selvi was known for multitasking and leadership. All 4 years, she bagged MGM Scholarship and played a pivotal role in several institutional events.

Surya P

Technical Star of the Batch - Engineering

Contemporary / Dedicated



Surya is a CSE graduate who got selected for Google summer of code 19. He is the winner of Smart India Hackathon 19 and Runner-up of Nullcon CTF, GCCS World Finalist.

Gokul S

Technical Star of the Batch - Innovation

Passionate / Innovative



Gokul of CSE graduated from Forge as an Innovation Engineer. He is the Co-founder of Kumaraguru Sprout -the peer learning platform and member of KCT Super60, Leed and Nigal.

Kaushikaa Siddharthan C

Technical Star of the Batch - Innovation

Passionate / Innovative



Kaushikaa from EIE with adept leadership skills got his team selected against 6000 teams and won a grant sum of Rs. 2.6 lakhs from AICTE. He is the co-founder of Tested Ok - a student run start-up.

Veeramanikandan C

Technical Star of the Batch - Design

Diligent/Inventive



Veera Manikandan from EEE graduate has won numerous national level accolades including National level Robotics Arm, Special appreciation Award in TAFE Innovation & Best BOT Designer Award.

Deepak Sai S

Sports Star of the Batch - Men

Resolute / Practical



Deepak Sai from EIE exhibits exceptional sportsmanship who is an all India Inter university handball player and got selected to be a part of the Anna University team for the years 2017 & 2019.

Archana P

Sports Star of the Batch - Women

Observant / Adaptable

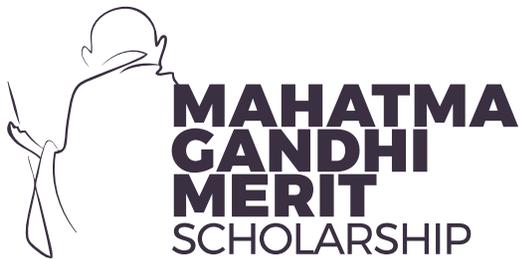
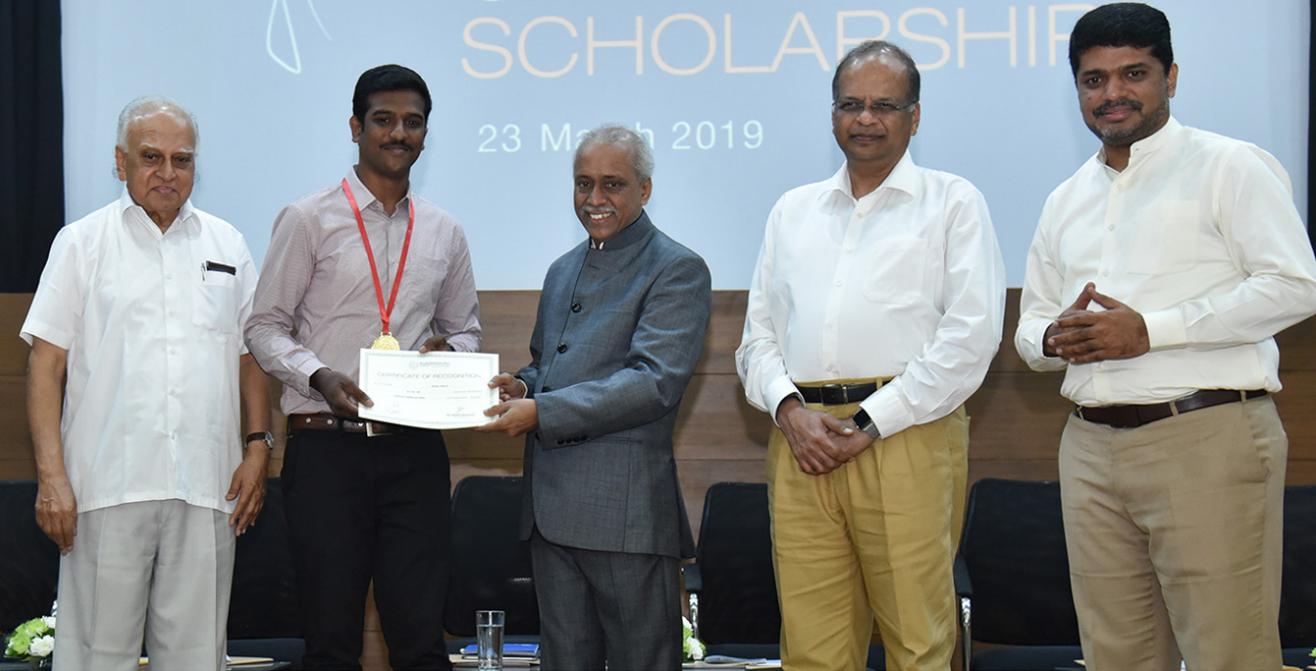


Archana from Mechanical Engineering bagged several national accolades which include Gold in Yoga & Bronze in Wushu. With exceptional academic track record, she won the MGM Scholarship 2019

2020

KCT Achievers Award to 159 students

KCT Special Awards to students under 10 categories



The annual Remembrance Day of Arutchelvar Dr.N.Mahalingam concurs with the 151st Birth Anniversary of Mahatma Gandhi. Kumaraguru Institutions has slated week long activities and events from 02 October to 09 October 2020 under the aegis of Anantha Jyothi, as a mark of respect and tribute to these two statesmen.

The signature event of Anantha Jyothi hosted on the virtual mode is the distribution of Mahatma Gandhi Merit Scholarship to the deserving 1146 students to a tune of Rupees 1.146 crores. The scholarship winners include meritorious students from Kumaraguru College of Technology, KCT Business School, Kumaraguru Institute of Agriculture and Kumaraguru College of Liberal Arts and Science. The virtual Mahatma Gandhi Merit Scholarship ceremony was streamed live on KCT YouTube Channel. The Presidential Address was delivered by Shri Shankar Vanavarayar, President Kumaraguru Institutions and the special address was delivered by Dr. Stalin Gunasekaran. The Founder Chairman Arutchelvar Ayya was a pioneer in acknowledging and appreciating young talents and a true Gandhian that he was, constituted the Merit Scholarship in the name of Mahatma Gandhi, the father of our nation in the year 2007 and every year the deserving meritorious students are bestowed with this prestigious scholarship. So far, scholarship to a tune of whopping 14 crores has been distributed and as many as 14000+ students have been benefited from this scholarship.

Mahatma Gandhi Merit Scholarship 2020 to 1146 students

Pathway to a Promising Career and Higher Education

Training and Placements helps students lay a clear road map to their future. Students from the onset of their journey at KCT are taken through a carefully engineered process of preparation for a smooth take off after their education in college. This pathway gives them a leverage of time to choose their cup of tea. In summary the programmes in this unique process aim at imparting the right tools and techniques to strengthen their capabilities in three core areas; self-awareness, clarity, and employability. Underpinning these capabilities empower them to create new opportunities of their own, utilize the existing ones, accelerate their growth and reach newer heights of success. To name a few there are programmes on career guidance that are directed towards creating opportunities to students to become acquainted to a wide range of occupational and educational opportunities, programmes on soft skills development that are designed to help them develop a cutting-edge personality.

Students explore the pathway to their future in over two phases, broadly.

Preparation Phase

Students in this phase are equipped with soft and technical skills of fundamental importance expected of a graduate in engineering, technology, and management.

Students of I year are trained to gain a flair and command over the English language for a professional context. Communicative English and Technical English courses are offered in the I & II Semesters to ensure effective use of the language in everyday professional tasks.

Students of II year are sown with the seeds of superior capabilities that will speak of their personality. This is achieved through **outbound trainings**. The trainings prepare them to step off their comfort, rise up to the occasion, teach them to have multiple perspectives, the art of spontaneity, assertiveness, flexibility, creativity, and still carry the values that define the core of human existence, like compassion, empathy and gratitude. The beauty of this human engineering training is that they become the go-getters, come what may.

Students of III year, with the spadework in place, go for **in-plant trainings** in industries to get exposed to engineering and technology in action. They also, either in groups or individually do engineering and technology projects of a lighter quantum called **mini projects**. Most of these mini projects are extended researches of a previously done research by the senior students.

Students of IV year consider this year a momentous period of study with their involvement in **industrial projects**, software and hardware. They work in need based projects that are specified by various industries. They gain a substantial amount of engineering knowledge through this opportunity. They also intern with companies that are well versed. KCT has nurtured association with companies and industries that opens an arena of choices to students for **internships**. Students who exhibit excellence during internships are recruited into the companies after successful completion of their degree. The exposure and hands-on experience gained at the work floors add value to the students' profile.

Take off Phase

Students during the course of their III and IV year start making a choice of what next after the college education. To support a good decision making, the college offers a set of well organized avenues ensuring each student a spring board. We call this the take off phase.

For those students who want to start their career as professionals in industries, corporates, and companies right after their college education, KCT offers a competent spread of opportunities through its placement services.

Placement Training

There are two types of placement trainings that fine tunes the students' technical and people skills to suit the industrial and corporate work. This is a final touch to all the shaping up that has been happening from year I. Adding to this students are trained on aptitude, vocabulary, and other elements to meet the standards.



Higher Education

For those students who want to fathom out engineering and technology through a masters degree in a National or an International university prior to a career, the college on its campus facilitates classes on GRE, GMAT, GATE, TOEFL and IELTS.

44 **Kumaraguru Civil Services Academy**

Kumaraguru Civil Services Academy trains aspiring students to serve the nation as civil servants after their graduation. Kumaraguru Civil Service Academy with its partnership with Shankar IAS Academy offers the Foundation course for an year and the Immersion course spanning two years which includes Preliminary, Mains and Optional Subjects. The finest of the staffs and a well framed route map, mentoring, tests, sessions with civil servants, policy makers, diplomats guarantees the aspirants to achieve their aspirants goal. While the students do their undergraduate or post graduate degree at Kumaraguru College of Technology, Kumaraguru College of Liberal Arts & Science and Kumaraguru Institute of Agriculture they can also complete their Civil Service Preparation and be exam ready!

Entrepreneurship

KCT is known among students as a place where the entrepreneurial side of theirs is tapped and ideas are welcomed with open hands. The Forge in KCT is where the ideas of aspiring student entrepreneurs are incubated and launched.

Foreign Languages Centre

Complying with the growing need and demand among the engineering graduates to be proficient in foreign languages, Foreign Language Centre has been established inside the campus to train the learners in the most desired foreign languages such as German, French and Japanese. The well-trained and experienced language trainers ensure that the language learning is an enjoyable and rewarding experience and the increase in the enrolment of students to pursue foreign language courses year after year stands testament to the expertise of the faculty members and the exceptional learning resources.

CAREERS IN 2019- 2020

287 companies visited
KCT for student
recruitment

38% Placements in Core
companies

28% Placements in
Product Development
companies

05% Placements in IT
Service companies

29% Placements in
Management companies





KCT's enterprising student entrepreneurs have ventured into various initiatives, each one of it being their brainchild.



Namma Cafe, an eating joint where around 2000 students and faculty visit every day.



Munch Box, a cafe run by KCT Business School students.



Nigal, the video club that does video production and media coverage for various social events and in-house projects.



Studio KCT, the official photography club of KCT, is the path to ponder into photography. The idea is to offer students a way to discover and to learn more about the mysteries of visual perception. It is a sanctuary of young minds who capture moments to memories.



Oli Padi, a start-up that meets the reprographic needs inside the campus.



KCT Alumni

For the last three decades KCT is heralding a decisive impact on the society. This is achieved through technical cum value-based education that is imparted to over 27,000 dynamic engineers over the years.

Alumni Relations

KCT Alumni Relations Office is a vital arm of KCT. The office serves as an interface between KCT and the alumni. It organises alumni reunions. Notable alumni reunions are global alumni meet, Silver Jubilee meet and annual alumni anniversary events. The office has formed the KCT alumni association with alumni chapters in important cities in India.

Their give back

Alumni who are now field experts bring their knowledge back to their alma mater through technical sessions, guest lectures and student mentoring. They also financially aid the education of deserving students. With the support of alumni relations office, the alumni who work in foreign countries guide the students for global internships and projects. The alumni were instrumental in establishing the centres of excellence in KCT.

Statistics

04

Global meets

07+

International Meets

08

Silver jubilee Meets

42

No of countries

04

No of alumni chapters

200+

Special lecture sessions for KCT students

04

National Meets

04

Alumni sports meets

02

Alumni Clubs and forums

20

Inter-state meet

27000+ Alumni

Global Alumni Meet 2019

Global Alumni Meet (GAM) was a defining moment for the institution to host, engage and network with the alumni, and it goes without saying that great institutions across the globe have progressed and grown from strength to strength by active involvement, support and engagement of alumni. It brought together around 1000 alumni from around the world. They gathered with their families on 28 Dec '19 and engaged in various events such as, business networking, the awarding ceremony, cultural, sports, and social events. The distinguished alumni were also recognised and honoured with awards.

Alumni Testimonials



From being disinclined in the beginning to securing university first rank in EEE, I attribute my success to my teachers. I am the first graduate in my family.

- Anantharaman Subramaniyan
General Manager, Strategy, Energy Mgt
Div., Siemens Ltd., Mumbai.
1985 - 1989 Batch (EEE)

What helped me then and now is the diversity at KCT. It is only after coming here that I could appreciate different languages, cultures and traditions. This, I feel has shaped my personality well.

- Mullapudi Srinivas
Director, Lokesh Machines Limited,
Hyderabad.
1985 - 1989 Batch (ME)



The faculty at KCT ignited in me the urge to become an entrepreneur. This spark did not dim even though I failed initially. As a person who grew up in Coimbatore, I had in me the qualities of hard work and risk taking, which I learnt growing up with my relatives and friends. My stint at KCT not only made me work hard, but also adjust to any kind of situation. My communication skills improved and I learnt to overcome fear to handle any kind of situation. The institution was an ideal platform to develop myself.

- S. Sivakumar
Managing Director,
Beauty Wares, Coimbatore
1988 - 1992 Batch (ME)



KCT gave me the ideal platform to form a great network and indeed my first professional job. It gave me a perfect blend of academics and co-curricular that helped me in my professional life.

Sharath Loganathan
Co-Founder, Ninjacart, Bengaluru.
2001 - 2005 Batch (MCE)

The cultural fabric of any institution plays a very key role in shaping a student's life and this is exactly what KCT did. It gave students a lot of freedom to pursue interests outside the academic scope, and the competition was always very healthy.

- Shabeer Rasheed
Director, VLSI, Hmicro Inc, Bengaluru.
1998 - 2002 Batch (ECE)

International Partnerships

The international programmes at KCT are aimed at broadening the scope of education, creating opportunities for higher education and research and enhancing the career potentials of students. Working with partners in North America, Europe, Asia, Africa and Australia, KCT offers the following programmes:

- Short term academic Programmes in partner universities in the USA, Europe and Asia
- Summer Programmes, Study Abroad Programmes, Twinning Programmes and Internships in partner institutions around the world
- Exchange Programmes for KCT and partner university students
- Exchange and sabbatical Programmes for faculty and visiting scholars associated with Fulbright and other international Programmes
- Engineering Projects in Community Service (EPICS) with IEEE and Purdue University, USA
- Institutional / Industry Partner Programmes in Africa and the Middle East
- Global Engineering and Management Academy Programmes with partners in the USA, Canada, UK, Malaysia, Australia and China



Partial List of Faculty | Research Centres University Partners

USA

State University of New York
University of Michigan-Dearborn
Rochester Institute of Technology
California State University
Louisiana State University
Princeton University
Cornell University
Texas Tech University
Oklahoma State University
Northern Illinois University
Indiana University - Purdue University Indianapolis

UNITED KINGDOM

Leeds University
Cranfield University
Birmingham City University
Manchester Metropolitan University
University of Birmingham
Nottingham Trent University

CHINA

Neusoft University

MALAYSIA

Tenaga Nasional University
HELP University

TAIWAN

National Dong HWA University

AUSTRALIA

Royal Melbourne Institute of Technology
University of Sydney
Flinders University
Swinburne University

CZECH REPUBLIC

Technical University of Liberec

GERMANY

RWTH Aachen University

ISRAEL

Tel Aviv University

NEW ZEALAND

Ara Institute of Canterbury

THE NETHERLANDS

Maastricht School of Management

SINGAPORE

Management Development Institute

Academic Excellence

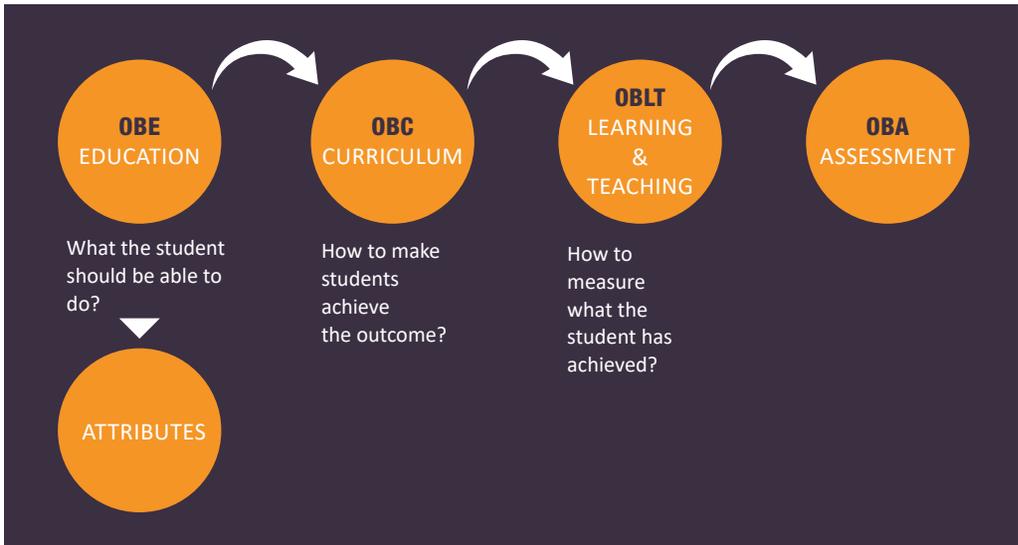
Academic excellence in KCT is achieved with open-mindedness to metamorphosis. The team of faculty here work towards giving students an academics par excellence. Their actions today are mindfully designed to suit the student's growth and its impact extending to generations, for we at KCT believe education today should be a foundation to knowledge and wisdom for the nation tomorrow.



Outcome Based Education (OBE)

OBE is a paradigm shift in the approach towards higher education in India in the recent past (with India becoming a permanent member of Washington Accord). OBE is directly / indirectly becoming mandatory through the government policies and quality assuring agencies such as National Board of Accreditation (NBA) which calls its accreditation as Outcome Based Accreditation (OBA) and National Assessment and Accreditation Council (NAAC).

The stand of education throughout the globe is based on the concepts of OBE. Following OBE will enable our students to compete globally by getting ready with the globally needed Graduate Attributes (GAs) spelt out by International Engineering Association (IEA) and followed by NBA.



Project Germinate is the academic Task Force spearheaded by a team of proactive faculty members and students that modelled a blended online learning platform Kumaraguru Online Education - KOED with multi-pronged approach, leading to a paradigm shift from the conventional teaching learning process. The integrated technology driven learning system with a futuristic perspective has successfully tapped the ethos of unique learning ecosystem of KCT to include active experiential learning, course design, assessment process and student wellness leading to ameliorated coordination between the learners, faculty members and administration.



Flexible and Comprehensive Learning Framework (FCLF) is KCT's unique platform for students to study selected courses offered by other academic departments in the institution. This open elective system was initiated in the academic year 2017 - 2018.



KCT Learning and Development Academy (KLDA) is aimed at enhancing the competencies of the faculty and leaders for comprehensive development.

KOED

Learning Augmented

Kumaraguru Institutions, post Covid-19, realizing the need for a technological breakthrough built “Kumaraguru Online Education” – KOED, an in-house online blended learning platform conceptualized by Project Germinate, a task force encompassing Senior faculty members, academicians and student leaders with their foresight, experience and expertise to enhance the learnability of the students through world-class technological intervention.

KCT has partnered with Microsoft to create collaborative classrooms where students and faculty members can seamlessly work together in MS Teams and share resources. The new student ERP platform, Kumaraguru’s Integrated Technology for Education (KITE), shall bring students, faculty, parents, and other stakeholders into a single forum integrating all the modules and functionalities leading to enhanced learning and better connect.

Innovation Practicum

Innovation Practicum is a first-of-its-kind program, that offers expert training, tech and innovation mentoring, adaptive leaning, tinkering and exploration apart from tools and creative technologies covering IOT sensors & networks, 3D printing, desktop fabrication, industrial automation, robotics, low-volume electronics manufacturing & assembly, artificial intelligence & machine learning, big data analytics, cloud computing etc.

LEARNING AGUMENTED



Engineering and Technology

Kumaraguru College of Technology hails in the city of Coimbatore and is known worldwide for its heritage in engineering, automobile and textile spectrums through entrepreneurship. This ceaseless industrial development has greatly impacted the educational climate of the city and KCT aptly merges its engineering education with the industrial and entrepreneurial culture of the city and has laid a successful path for global perspectives and exchange. The academicians of KCT with their diversity and competence find the right point of intersection of regional, national and international demands of engineering and technology and students are given the relevant curricular inputs to showcase world-class skills.

11 ANNA UNIVERSITY RECOGNISED RESEARCH CENTRES.

AWARDED FIRST FOR A SOLUTION TO POLLUTION CONTROL IN CONCRETE WALLS OF INDUSTRIES THROUGH ONE M2M DEVELOPED AT HACKATHON IN IIT - HYDERABAD IN 2018.

Hanu Priya of Electronics and Communication Engineering and Kezia Jobel of Civil Engineering.

SMART SANITARY DISPENSER WON AT ILFA ORIGINAL STARTUP IDEA 2018 AND THE GLOBAL STUDENT ENTREPRENEUR AWARDS (GSEA).

Innovated by Muthuperiyaval G.S, Harsaavarthini P of Electronics and Instrumentation Engineering & Arun Kapil. S of Computer Science Engineering.

BILSS NATURAL SANITARY NAPKIN INNOVATED BY THE STUDENTS ENTREPRENEURS OF NATURAL FIBRE RESEARCH CENTRE OF KCT WON AT WONDER WOMEN COIMBATORE 2018.

Academic Departments

Aeronautical Engineering
Artificial Intelligence and Data Science
Automobile Engineering
Bio-Technology
Civil Engineering
Mechanical Engineering
Mechatronics Engineering
Electrical and Electronics Engineering
Electronics and Communication Engineering
Electronics and Instrumentation Engineering
Textile Technology
Fashion Technology
School of Foundational Sciences
Computer Science and Engineering
Information Science and Engineering
Information Technology
Computer Applications
KCT Business School



AERONAUTICAL ENGINEERING

Students
198



Academic
Support Staff
04



Teaching Staff
15



Research Publications
19



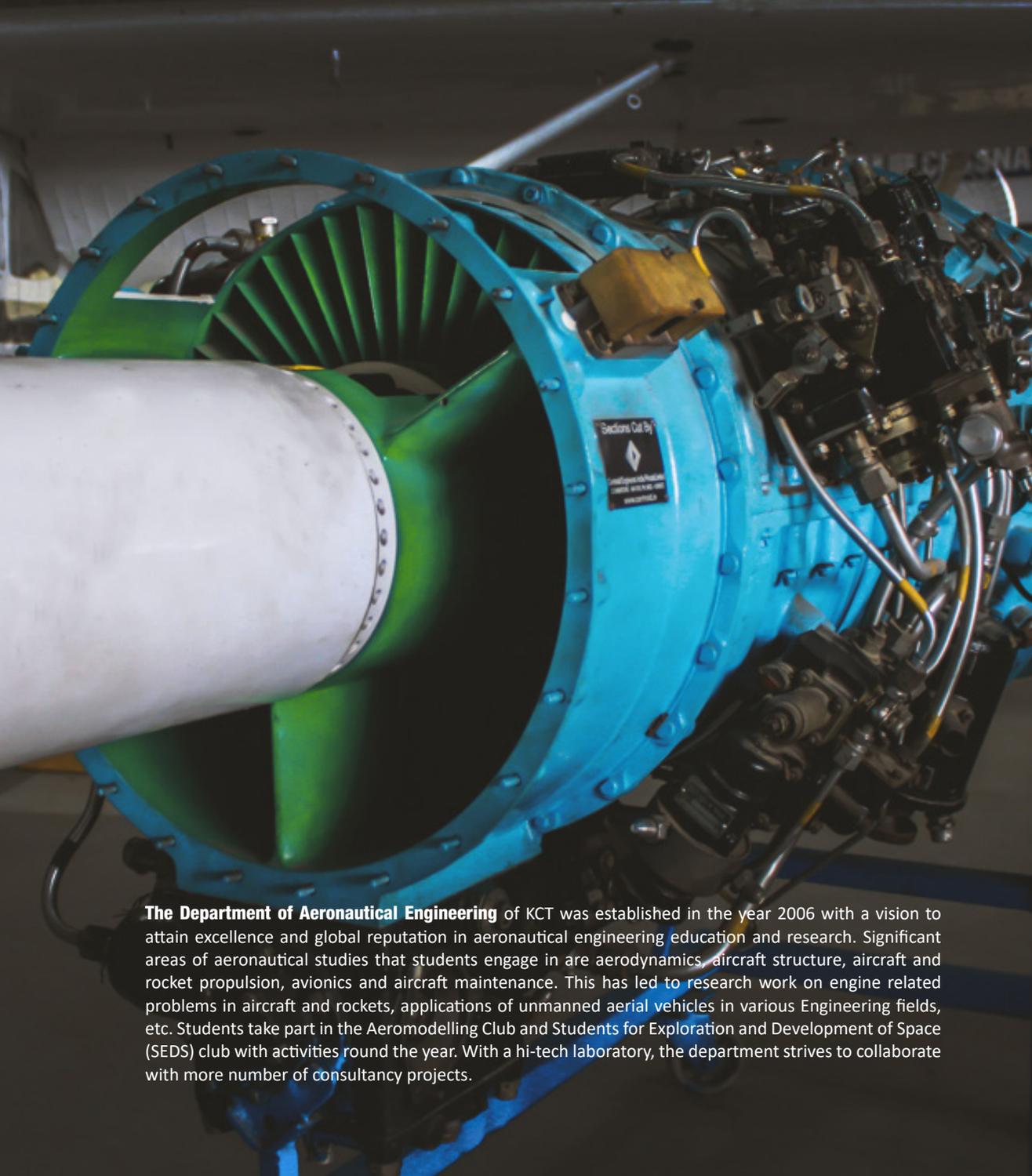
Industry Partners
06



PROGRAMMES OFFERED

B.E. Aeronautical Engineering

Aeronautical Engineering is for those who want to get to the bottom of the history and methodology behind flying machines – from Leonardo Da Vinci's early conceptual sketches and the Wright brothers' famous flight of 1903 to the sophistication and progress of modern jets.



The Department of Aeronautical Engineering of KCT was established in the year 2006 with a vision to attain excellence and global reputation in aeronautical engineering education and research. Significant areas of aeronautical studies that students engage in are aerodynamics, aircraft structure, aircraft and rocket propulsion, avionics and aircraft maintenance. This has led to research work on engine related problems in aircraft and rockets, applications of unmanned aerial vehicles in various Engineering fields, etc. Students take part in the Aeromodelling Club and Students for Exploration and Development of Space (SEDS) club with activities round the year. With a hi-tech laboratory, the department strives to collaborate with more number of consultancy projects.

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Students
60



Academic
Support Staff
02



Teaching Staff
03



Industry Experts
03

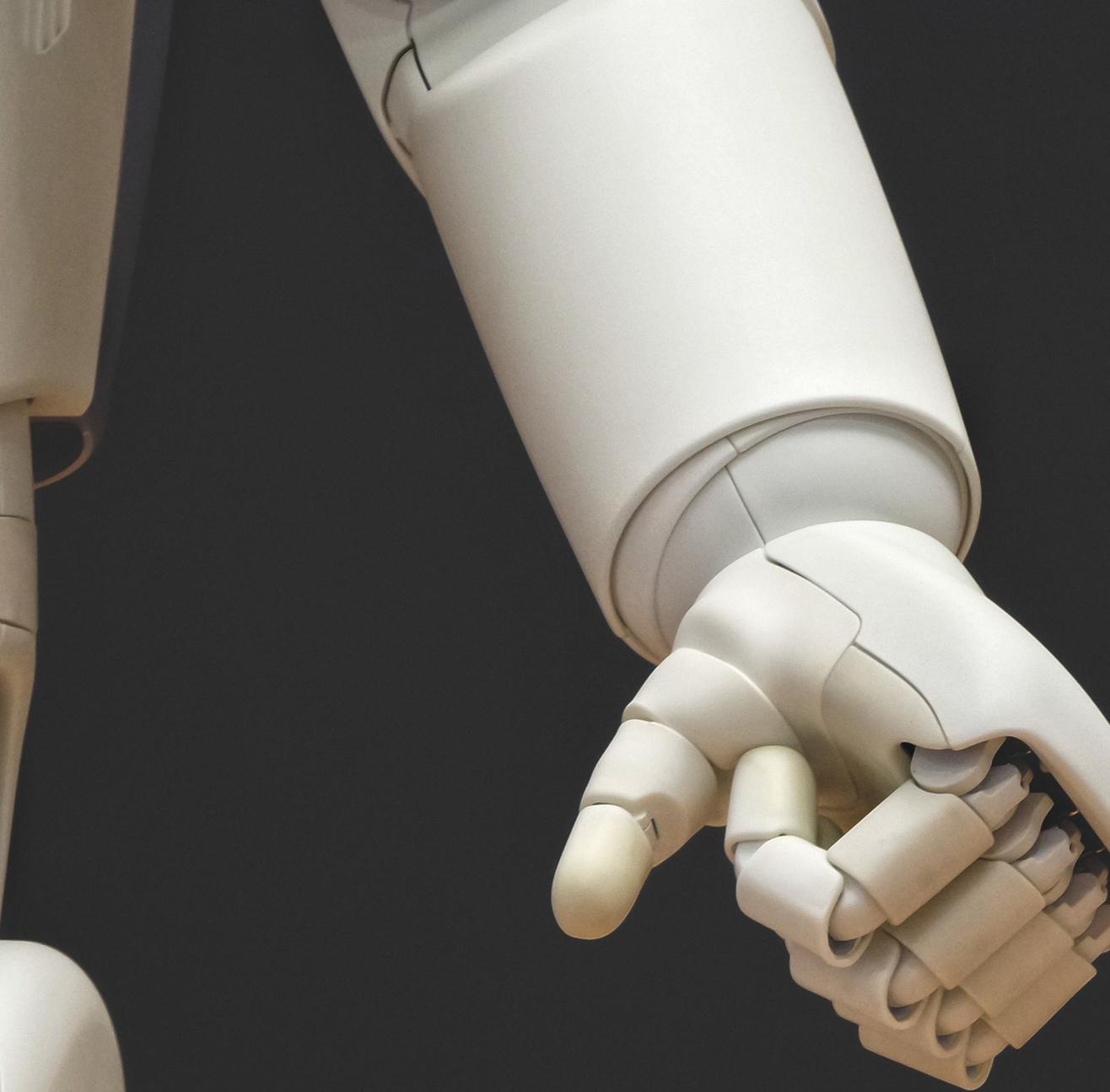


Start-up founder
03



Industry Partners
06





Artificial Intelligence (AI) is an evolving branch of scientific discipline which began with the automation of redundant human tasks to presently engaging in the replication of human mind and intelligence to think and perform. Data Science aids AIs to extract information, knowledge or insights from the data pool in the most efficient manner.

B.Tech. Artificial Intelligence and Data Science (AI&DS) at KCT is a carefully curated 4-year programme that brings together product, process, system thinking, eastern culture and interdisciplinary skill-sets, specifically tailored around data science and artificial intelligence. It is the outcome of several years of academic and practical research from the Kumaraguru College of Technology and Forge, India's premier technology incubator. It draws from several proven curricular models that have been successfully implemented and from current learning systems that are practised in the best universities worldwide.

AUTOMOBILE ENGINEERING

Students
213



Academic
Support Staff
07



Teaching Staff
14



Research Publications
22



Industry Partners
25



PROGRAMMES OFFERED
B.E. Automobile Engineering

A close-up photograph of a heavily worn, rusty gear assembly from an automobile. The image shows a large gear with many teeth, a smaller gear meshing with it, and a shaft with a splined end. The metal is dark brown and shows significant signs of use and oxidation. The background is blurred, showing other parts of the engine or transmission.

Automobile Engineering teaches operations, designing, and manufacture of automobiles. It is a field of vehicle engineering that deals with the formation and functions of motorcycles, cars, buses, trucks engineered to support the fast-paced growth.

The Department of Automobile Engineering of KCT was established in the year 2011 with an aim to create a pool of graduates who turn out to be the trend-setters in the automotive field. The department's laboratories and testing centres which are 9 in number are known for its high-end automotive equipments and research work. Students with able guidance of the faculty and hands-on training in the labs make their way to internships and industry projects in leading companies. Major areas of current research interests are the Green Vehicle Technologies, Alternative fuel technology, Vehicle design & performance optimization, Safety Standards in Automotive Engineering, and Advanced Automotive Systems.

BIOTECHNOLOGY

Students
179



Academic
Support Staff
05



Teaching Staff
15



Research Publications
29



Industry Partners
09



PROGRAMMES OFFERED

B.Tech. Biotechnology
M.Tech. Biotechnology
Ph.D. in Biotechnology

Biotechnology is a field of technology based on biology that helps to develop technologies, products and processes that help improve our lives and the health of the planet.



The Department of Biotechnology of KCT was established in the year 2002 and is a recognized centre for Research in Biotechnology by Anna University. The research studies in the department stretch to the length and breadth of the field, from replacing carcinogenic dyes in the textile dyes to banana peel proteases in wound dressing material. The department holds an R&D budget of Rs.1.21 crore obtained through various government funding agencies like DST, DBT, AICTE.

CIVIL ENGINEERING

Students
410



Academic
Support Staff
07



Teaching Staff
26



Research Publications
22



Industry Partners
02



PROGRAMMES OFFERED

B.E. Civil Engineering
M.E. Structural Engineering
M.E. Environment Engineering
M.E. Construction Management
Ph.D. in Civil Engineering

Civil Engineering, being one of the oldest branches of engineering, has been a core contributor to the infrastructural development and environmental safety of the countries from ancient to modern times. Civil engineers technically are the nation builders upon whom the existence of the humans are rested.



The Department of Civil Engineering of KCT was established in the year 2003 with an aim to shape up highly competent and technologically capable professionals and able academicians. The department's vigor led to the establishment of Centre for Water and Environmental Studies (CWES) and Structural Technology Centre (STC) in 2003 for research and development and to offer their expertise to various structural design and testing projects. The department specialises in Structural, Geo-technical, Environmental and Water resource, Transportation and Construction engineering.

COMPUTER SCIENCE AND ENGINEERING

Students
424



Academic
Support Staff
09



Teaching Staff
30



Research Publications
18



Industry Partners
39



PROGRAMMES OFFERED

B.E. Computer Science and Engineering
B.E. Information Science and Engineering
M.E. Computer Science and Engineering
Ph.D. in Computer Science and Engineering

Computer Science and Engineering is a cross discipline that has taken the living of mankind closer to other planets. For a long time, the field is involved in an untiring research to evolve the existential phenomena of all living beings and will continue to, dilating the scope beyond horizons.

The Department of Computer Science and Engineering was established in the year 1990 and has progressed with a vision and a strong commitment to develop competent professionals with excellence in computing and engineering the science. The department has well equipped computer laboratories and a rich repository of softwares covering a wide spectrum of applications. The focused areas of education are programming, data structuring, computer networking, software engineering, database management system pouring into researches such as data mining, data security, cloud computing etc.



INFORMATION SCIENCE AND ENGINEERING

Students
180



Teaching Staff
08



Academic
Support Staff
04



Industry Experts
03



Industry Partners
04



```

57     t.appeared = false;
58 }
59
60 //is the element inside the visible window?
61 var a = w.scrollLeft();
62 var b = w.scrollTop();
63 var o = t.offset();
64 var x = o.left;
65 var y = o.top;
66
67 var ax = settings.accX;
68 var ay = settings.accY;
69 var th = t.height();
70 var wh = w.height();
71 var tw = t.width();
72 var ww = w.width();
73
74 if (y + th + ay >= b &&
75     y <= b + wh + ay &&
76     x + tw + ax >= a &&
77     x <= a + ww + ax) {
78
79     //trigger the custom event
80     if (!t.appeared) t.trigger('appear', settings.data);
81
82 } else {
83
84     //it scrolled out of view
85     t.appeared = false;
86 }
87 };
88
89 //create a modified fn with some additional logic
90 var modifiedFn = function() {
91
92     //mark the element as visible
93     t.appeared = true;
94
95     //update the settings one
96     settings.one();
97 }

```

Information is wealth and hence strategic collection, storage, retrieval and use of information is gaining immense significance by the day. With the proliferation of technology, it is crucial to become adept in creating a synergy between Information Science and Technology

The Department of Information Science and Engineering was established in 2018 to cater to the growing industry demand in the areas of Data Analytics and Business Intelligence. The coursework of the Information Science and Engineering includes most of the core courses of B.E CSE programme and specialized courses like Data Management, Statistics, Machine Learning, Big Data Technologies, Artificial Intelligence, Data Visualization and Analytics Tools.

INFORMATION TECHNOLOGY

Students
203



Academic
Support Staff
06



Teaching Staff
14



Research Publications
22



Industry Partners
17



PROGRAMMES OFFERED

B.Tech. Information Technology

M.Tech. Data Science

A photograph of a server rack filled with network equipment. The rack is filled with blue cables connected to various ports on the equipment. The cables are organized and labeled with yellow tags. The equipment includes a 24-Port Gigabit Switch and a 24-Port Gigabit Switch. The rack is filled with network equipment and blue cables. The cables are organized and labeled with yellow tags. The equipment includes a 24-Port Gigabit Switch and a 24-Port Gigabit Switch.

Information Technology is a field that creates digitalized economies and societies. The world heading fast towards becoming IT enabled, the scope of this field will leave the world astounded by making impossibilities possible.

The Department of Information Technology, established in 1998 withstands a ceaseless progress. Industry aligned courses such as mobile applications programming, business intelligence and its applications, building enterprise applications are offered that keep students informed of varieties in the field. Student entrepreneurs are encouraged of their start-up ideas. A unique study is offered across the board on Innovation and Entrepreneurship. The department as a whole research on Machine learning, Mobile computing, Cyber security etc.

COMPUTER APPLICATIONS

Students
166



Academic
Support Staff
03



Teaching Staff
15



Research Publications
32



Industry Partners
01



PROGRAMMES OFFERED
Master of Computer Applications

Computer Applications, a field that has enabled us to go digital by developing and designing software applications for computers. This digital era has seen light with the prowess of the software developers and engineers. The current era is ceaseless and thus it entails developers of finesse and ingenuity, leaving the scope beyond the horizon.

The Department of Computer Applications was established in the year 1993 and offers a three year master degree in Computer Applications. Since its inception the department has been striding great heights with a proactive vision and a strong commitment, with uncompromising standards of excellence to develop competent programmes and to groom the students with computational skills that will match with the present and futuristic necessities of IT industry.



ELECTRICAL & ELECTRONICS ENGINEERING

Students
400



Academic
Support Staff
10



Teaching Staff
34



Research Publications
49



Industry Partners
07

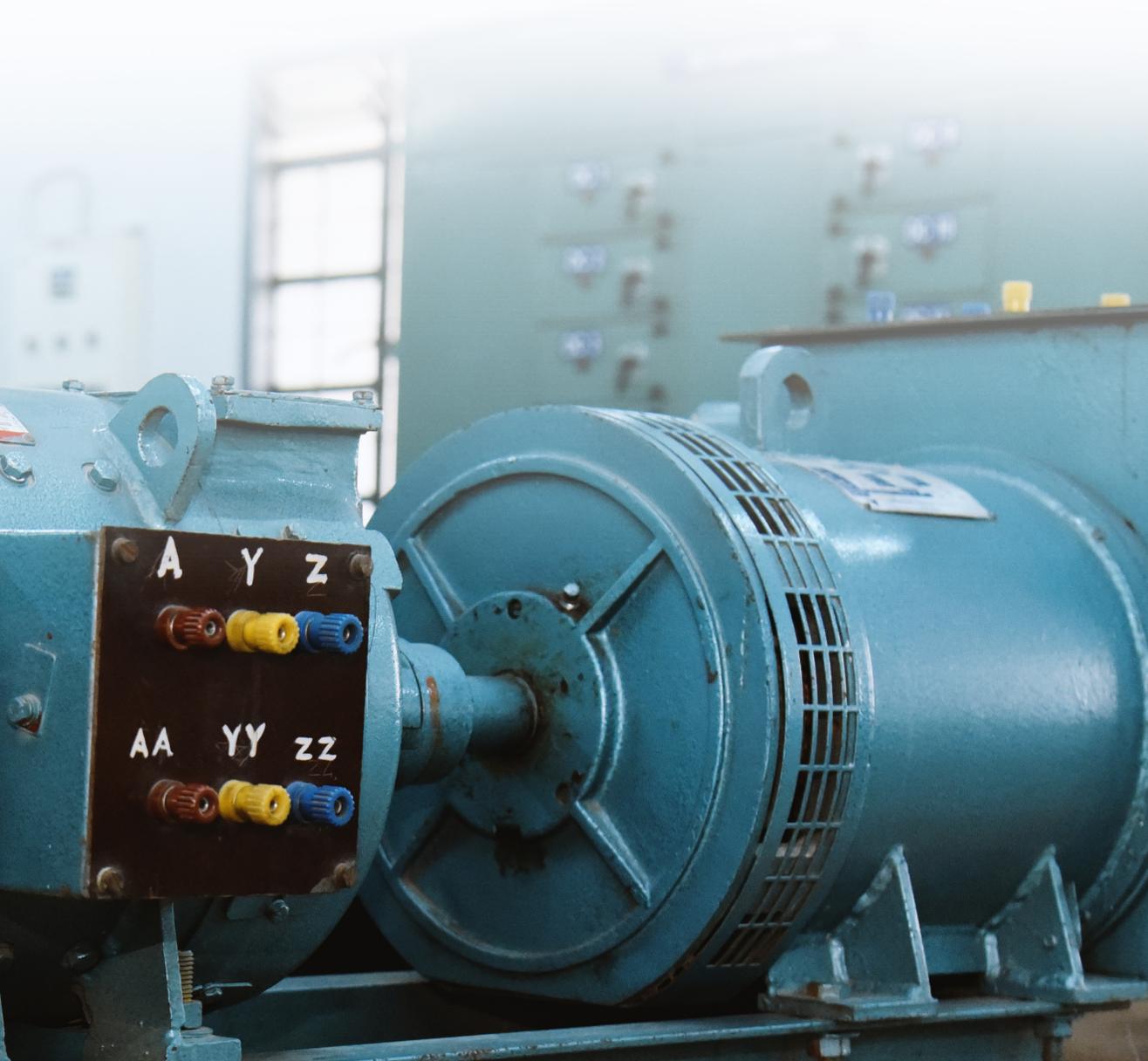


PROGRAMMES OFFERED

B.E. Electrical and Electronics Engineering
M.E. Embedded Systems

Electrical and Electronics Engineering, a field of research in electricity studies its application in electricals, electronics, and electromagnetism. Edison and Tesla with their inventions changed the face of the plant in ways perhaps no man ever dreamed of and this field of engineering even today, continues to head fast towards discovering and inventing electrical systems that will be of predominant use for the future generations.

The Department of Electrical and Electronics Engineering has been an integral part of the institute from 1984 and has grown steadily over the years. The department has nurtured meaningful relationships with industry, academic and research institutions with their expertise in Renewable energy, Power Electronics and Drives, Embedded systems, Smart Grid, Energy Management, Electrical Machines. E- vehicle, power converter and inverter design are some of the current research studies in the department. With advanced laboratory and technically sound staff, the department continues to get accredited since 2000.



ELECTRONICS & COMMUNICATION ENGINEERING

Students
617



Academic
Support Staff
11



Teaching Staff
45



Research Publications
42

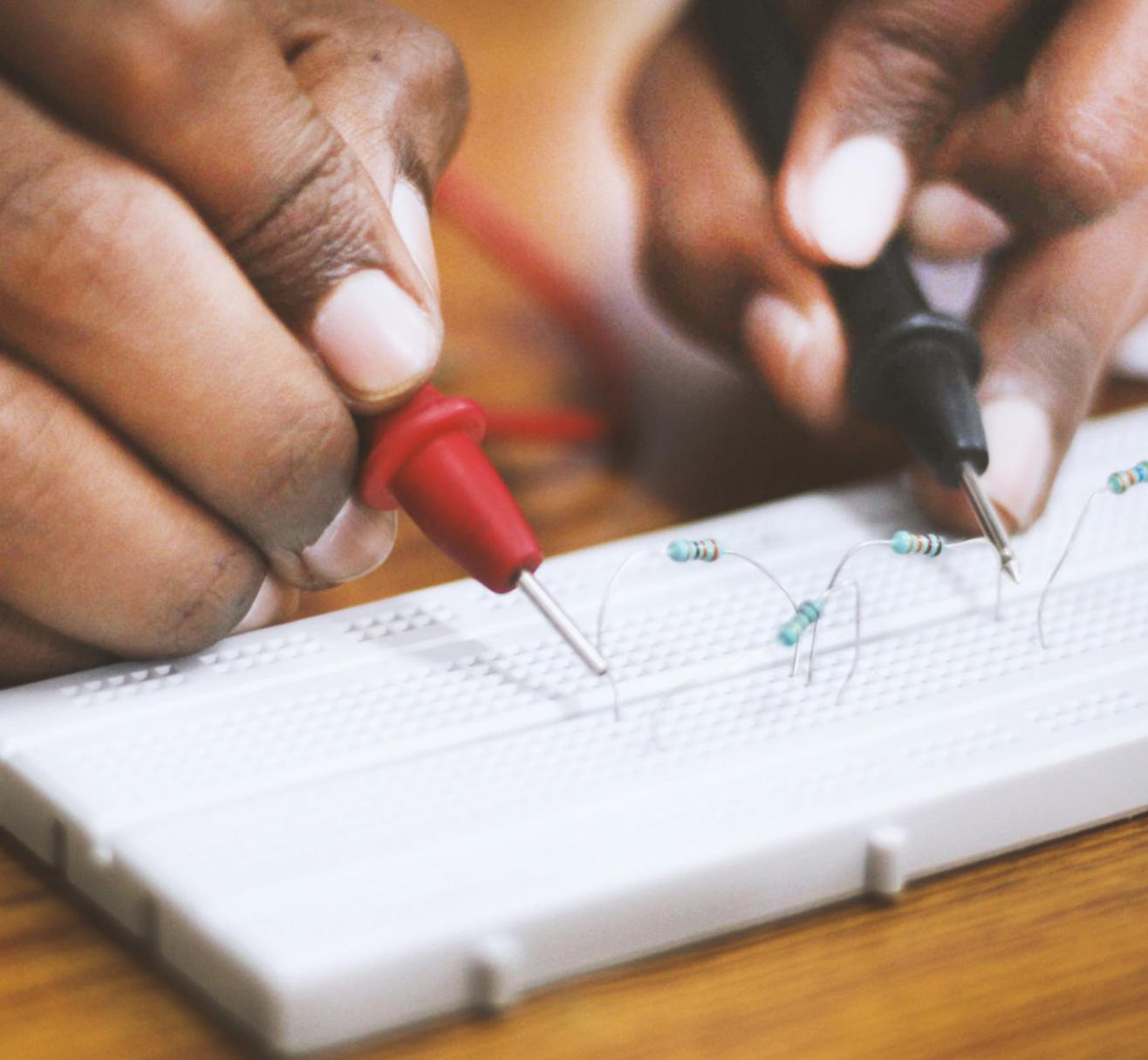


Industry Partners
10



PROGRAMMES OFFERED

- B.E. Electronics and Communication Engineering
- M.E. Communications systems
- Ph.D. in Electronics and Communication Engineering



The Department of Electronics & Communication Engineering was established in the year 1987. It equips young minds with technical knowledge and professional skills needed to address the challenges in the rapidly growing field of Electronics and Communication Engineering. An eye for details and innovations are instilled in the students to connect engineering and society. The department is also a Research Centre recognised by Anna University.

ELECTRONICS & INSTRUMENTATION ENGINEERING

Students
205



Academic
Support Staff
06



Teaching Staff
12



Research Publications
13



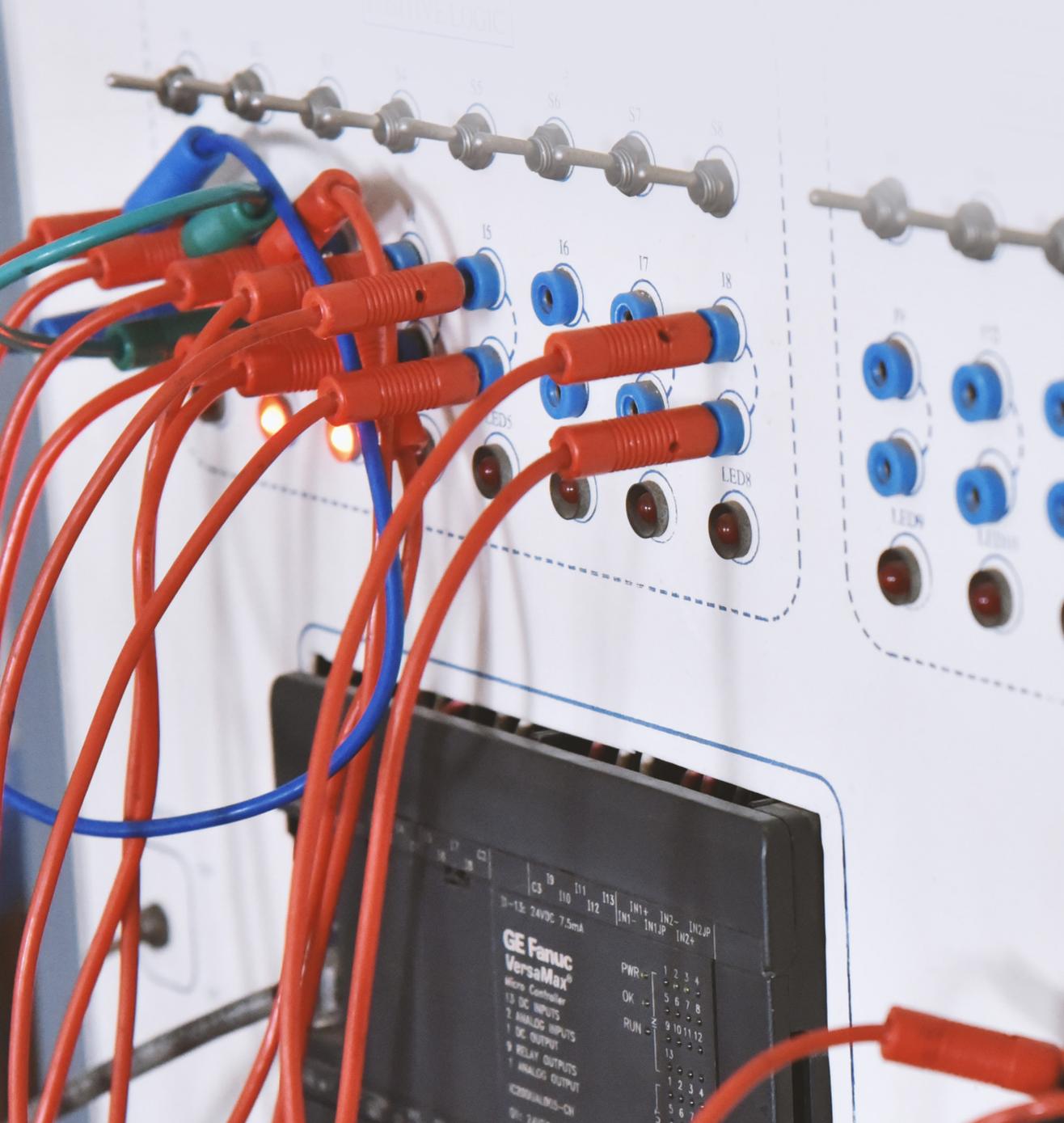
Industry Partners
11



PROGRAMMES OFFERED

B.E. Electronics and Instrumentation Engineering
PG Diploma in Industrial Automation System Design

The Department of Electronics and Instrumentation Engineering was started in the year 2006 and is specialised in Measurements and Automation. It aims at producing talented Electronics and Instrumentation specialists who cater to the needs of the modern societies. Students experience an industrial milieu and enhance their knowledge and skills in the state-of-the-art instrumentation technologies. The department is recognized as a nodal centre for Virtual Labs, an initiative of Ministry of Human Resource Development (MHRD) under the national mission on education through Information and Communication Technology (ICT). Being a member of the Instrument Society of India (ISI), various technical events are organized which helps in augmenting students knowledge.



FASHION TECHNOLOGY

Students
194



Academic
Support Staff
06



Teaching Staff
15



Research Publications
26



Industry Partners
04



PROGRAMMES OFFERED

B.Tech. Fashion Technology
M.Tech. Apparel Technology
Ph.D in Fashion Technology



Fashion Technology, Fashion and Technology, two divergent terms find congruence in fashion technology. This is the stream where creativity and technology synchronise to fabricate a new world of design and Apparel Technology, understands the warp and weft of clothing industry to drape the world in new hues and prototypes.

The Department of Fashion Technology has been accredited by the National Board of Accreditation (NBA), New Delhi on Tier I Scheme of the Washington Accord for five years from the year 2014 which facilitates transnational recognition of degrees and mobility of graduates and professionals. Some significant areas of study in the department are fashion designing and portfolio, apparel manufacturing technology, apparel management, retail management and functional clothing. The department is also involved in research projects that are funded by Government of India and other agencies.

TEXTILE TECHNOLOGY

Students
189



Academic
Support Staff
05



Teaching Staff
15



Research Publications
19



Industry Partners
22



PROGRAMMES OFFERED

B.E. Textile Technology
M.Tech. Technology Management
Ph.D. in Textile Technology



Textile Technology is one of the most innovative fields in the scientific realm. The art behind textile chemistry is leading to the innovation of numerous types of fabrics and revival of great textiles of heritage. The field heading towards creating chemical reduced, slimmed water use made fabrics, anti-bacterial and temperature regulating fabrics, is definitely an ascendent area of study for the generations to come.

The Department of Textile Technology was started in the year 1995 and has been accredited by National Board of Accreditation (NBA), New Delhi under Tier II Scheme for five years. The department is involved in continuous updation about modern yarn production technology, fabric manufacturing technology, textile chemical processing and apparel manufacturing. They also research on technical, industrial and medical textiles. Technology Information, Forecasting and Assessment Council (TIFAC), Department of Science and Technology (DST) and Government of India has established a Centre of Relevance & Excellence (CORE) in Textile technology and Machinery in KCT. KCT- TIFAC CORE is the first centre dedicated to the textile sector in India. Under this programme, laboratories have been set-up to meet the requirements of textile training, testing and research.

MECHANICAL ENGINEERING

Students
629



Academic
Support Staff
20



Teaching Staff
51



Research Publications
63



Industry Partners
26



PROGRAMMES OFFERED

B.E. Mechanical Engineering

M.E. Industrial Engineering

Ph.D. (Part time) in Mechanical Engineering



Mechanical Engineering - the glory of this field dates back to the iron age and after industrial revolution, the advancements in science skyrocketed the study and expansion of this field. The consequences of the expansion is the magnificence that we experience today. In the current date, mechanical engineering is the god of bare necessities and extreme advancements, from agriculture to space science.

The Department of Mechanical Engineering of KCT is one of the early established departments, functioning since the inception of the institution in 1984. This research driven department specialises in Engineering design, Thermal engineering, Manufacturing engineering, Industrial engineering and Fluid mechanics and machinery. The department is a recognized research centre by Anna University that signifies it's extensive research interest.

MECHATRONICS ENGINEERING

Students
210



Academic
Support Staff
04



Teaching Staff
13



Research Publications
14



Industry Partners
05



PROGRAMMES OFFERED
B.E. Mechatronics Engineering



Mechatronics Engineering, the utility of mechanical engineering and the precision of electronics are put together to realise a new engineering concept - mechatronics, where human intelligence is driven to create artificial intelligence, finds realization in automation and Robotics. Mechatronics steers this cognizance to the fringes, for innovations that propel new lifestyle.

The Department of Mechatronics Engineering was established in the year 1999. Significant areas of mechatronic studies that students engage in are Industrial Automation, Industrial Robotics, Mobile Robotics, Machine Vision Systems Sensors and Instrumentation. The academicians here research extensively on the automation processes for artificial intelligence. The department has well developed laboratory infrastructure that bridges the gap between industry and academia. It also provides consultancy services to industries. Industrial automation, Robotics, Automotive Electronics, Mechanical Design, Noise and Vibration are the thrust areas of research. On a regular basis experts from industry are invited for interaction on the field scenarios.

SCHOOL OF FOUNDATIONAL SCIENCES

Students
1260



Academic
Support Staff
05



Teaching Staff
61



Research Publications
50



PROGRAMMES OFFERED

Ph.D. in Physics
Ph.D. in Chemistry



School of Foundational Sciences is a field of human engineering that knock the doors of the senses of the individuals, for a grip on the fundamentals of science and humans and it involves in relentless researches for the evolution of the living scenarios.

The School of Foundational Sciences was established in the year 1984. They focus on strengthening the fundamentals of the science subjects to the students that are needed in them to acquire advanced scientific knowledge in the forthcoming years of their education. Through this they bridge the gap between the student's understanding and cognizance of science.



Students
359



Academic
Support Staff
03



Teaching Staff
19



Research Publications
14



Industry Partners
112



PROGRAMMES OFFERED

2 Year : MBA

3 years: Ph.D. Full Time

4 years: Ph.D. Part Time

SEE MORE DETAILED COURSE INFORMATION @
<https://kctbs.ac.in/>

KCT Business School was established in 2005 with a mission to impact on all the stakeholders through advancement, integration and application of knowledge. KCT.BS has a vision to be a knowledge hive for managerial excellence built on the values of Learning, Trust and Competence

The MBA program of KCT.BS has been ranked in the Top 75 in the country by the Ministry of HRD through NIRF. MBA program is offered with six specializations: Business Analytics, Entrepreneurship, Human Resources, Finance, Marketing and Operations. Four projects embedded in the program are Industry Immersion, Research Immersion, Internship and Social Immersion. High performing students can register for Honours Track. The MBA degree is awarded by Anna University.





KUMARAGURU
INSTITUTE OF
AGRICULTURE

Students
400



Teaching Staff
38



Academic
Support Staff
43



Academic Departments
Crop Management
Crop Improvement
Crop Protection
Horticulture
Social Science
Agricultural Engineering
Veterinary Science



Affiliated to
Tamilnadu Agricultural University,
Coimbatore.



PROGRAMMES OFFERED
4 Years, B.Sc. (Hons.) Agriculture

SEE MORE DETAILED COURSE INFORMATION @
<http://http://www.kia.ac.in>

Kumaraguru Institute of Agriculture, the cherished dream of Arutchelvar Dr. N. Mahalingam was started in 2014 with the main aim of imparting agricultural education to rural youth and provide agricultural benefits to the local community. The primary objective of the institution is to tinge agriculture with technology to improve food production, to introduce novel and innovative methods in agriculture, to make agriculture viable and self-supportive. The institute carries with it the long standing tradition of Sakthi group of companies and the experience gained by Sakthi group organizations.

The back bone of Indian economy is Agriculture. Agriculture which is essential for the survival of mankind is centred in our villages. The Father of the Nation was precisely right when he said that “India lives in its villages”. Agriculture today is facing a lot of challenges not only in our country but in almost all the growing nations. There is an urgent need to provide the farming community with the necessary steps to tackle the challenges and obstacles that they encounter due to the changing global scenario.

The Institution is located in an extensive area of about 115 acres of farm land on Bhavani-Athani-Sathy state highway, at Nachimuthupuram in Sakthi nagar.





Students
980



Teaching Staff
41



Academic
Support Staff
03



PG Diploma Program

Visual Effects (VFX)

Diploma Programs

Diploma in Journalism
Diploma in Design Thinking
Diploma in Positive Psychology
Diploma in Data Analytics
Diploma in Bharatanatyam

Certificate Program

Certificate Program in Campus Sustainability

PROGRAMMES OFFERED

Undergraduate Programs

Bachelor of Business Administration (BBA)
B.Com Professional Accounting (B.Com PA)
Bachelor of Commerce (B.Com)
B.Sc Psychology
B.Sc Visual Communication
B.A Political Science
B.A Economics

Postgraduate Program

Master of Social Work (MSW)

SEE MORE DETAILED COURSE INFORMATION @
<http://www.kclas.ac.in>

Kumaraguru College of Liberal Arts & Science is an institution that was born out of a rich legacy, strong vision and great commitment of Sakthi Group of Companies www.sakthigroup.com. The magnificent campus and the edifice, enormous reputation, robust departments and more emerged from the Founding Fathers and the dynamic vision of the Founder Chairman, Dr. N.Mahalingam, a visionary educationist.

KCLAS is part of the Kumaraguru Institutions - Kumaraguru College of Technology www.kct.ac.in and the KCT Business School www.kctbs.ac.in As an institution dedicated to learning, we invest in intellectual vitality and engage with stakeholders to make a difference locally and nationally. Our contribution to this shared effort is the unique knowledge, transformative approach and skills generated by our core activities of education and research.

KCLAS is rooted in the cosmopolitan city of Coimbatore, which is traditional, resilient and vibrant. The city is an engine for entrepreneurial spirit and export, flourishing since Roman times and also a magnet for innovation, arts, culture, business, science and technology. Higher education, research and innovation play a crucial role on supporting social cohesion, economic growth and global competitiveness.

KCLAS is affiliated to Bharathiar University and approved by UGC.



SEA | SAKTHI EXCELLENCE ACADEMY

C a r e e r I n t e g r a t e d E d u c a t i o n

Sakthi Excellence Academy a venture started to address the growing needs for Educational Programmes in a burgeoning and buoyant Economy, with constantly changing Business models and new Technological developments. The promising initiative has grown from strength to strength over the years, by designing, framing and conducting programmes benchmarking industry standards and thereby acting as a catalyst in producing Corporate ready employees, who can take up their jobs and deliver from day one.

Sakthi Excellence Academy, started in the year 2011 under the aegis of Sakthi Group's Corporate Education programme involves in a gamut of activities under three key areas namely, Technical, Non-Technical and Socio-Cultural, making significant contributions and creating meaningful impact to all its' stakeholders.

Programmes offered

Corporate Education Programmes

Domain specific: Profiling, Curriculum framing, Recruitment and Training
Development specific: Secretarial training, Personality development, Team functioning, Marketing orientation & Finance, and Retailing its' stakeholders.

Domain Specific Programmes

Recruiting and developing marketing officers for Sakthi Finance Limited (SFL)
Conducting PG Diploma in Design Engineering for Oil & Gas Industry

Train the Trainer

Faculty Induction Programme: Induction programmes to newly recruited school & college faculty
Faculty Development Programme: Domain specific training programmes
Student Empowerment Programme: Profiling, Counseling and Pre Placement

Teacher Training Programmes

Excellent Teachers Initiative
Teacher Development Programme





N.Mahalingam Tamil Research Centre (NMTRC)

N.Mahalingam Tamil Research Centre has been instituted in tribute to the yeomen service of Arutchelvar Dr.N.Mahalingam towards preservation, promotion and propagation of Classical Tamil Language and literature. Collection and Preservation of Tamil Literary Texts, Research Compendiums and Cultural artefacts; Digitization of rare manuscripts; Promotion of research on Tamil language and literature at international scale; Compilation and Documentation of prevailing research findings; Expansion of footprints of Tamil research on the global platform; Translation of meritorious Tamil literary works into other languages and vice versa and Offering short-term Certificate and Diploma programmes in Tamil language and Literature are some of the aspirations of NMTRC. Being a central point for Tamil research, the institution is on the pursuit to collect information under the six divisions - Geology, Archaeology, Anthropology, Linguistics, Art, and Modernism. The Centre houses rare volumes and manuscripts from Poet Palladam Manickam's biggest private library in Asia, literary contributions of Dr.U.Ve. Swaminatha Iyer, translations of Vedic Scriptures, special editions of Thirukural translated in 11 different languages, hundreds of research volumes, monographs and rare discs.



Exemplary Contributions of Arutchelvar Ayya towards Tamil Language and Literature

An ardent champion and erudite scholar of Tamil language, Arutchelvar Ayya's nonpareil contribution towards Tamil Language and Literature include the Preservation of the antique Tamil Musical literature Pancha Marabu through re-edition; Revival of Panniru Thirumurai to reach out to common masses through low-cost editions; Indexing devotional literature Devaram and Thiruvagam; Release of 5 volumes on the Life, Message and Mission of Saints; Fostering the translation of magnum opus literature Thirukural and Thiruvagam into world languages; Editor of Tamil Literary and Spiritual Magazine Om Sakthi for nearly 4 decades; Research on ancient Tamil Brahmi Script and Lemuria Continent, the cradle of ancient Tamil civilization; Chronological study of Tholkappiar and Thirumurai and Promotion of indigenous Tamil scholars and their literary explorations.

NMTRC Grant

N Mahalingam Tamil Research Grant Scheme has been instituted with profound objectives of creating a valuable hub for research, publications, and facilitating with treasure trove of large and rare collection of books, palm leaf manuscripts, etc. The N Mahalingam Tamil Research Grant scheme is purported for facilitating the Tamil enthusiasts, students, scholars, researchers, etc. to explore in their respective fields of interest and to bring fulfilment of their aspirations and present imperative outputs to Tamil, its culture and attributes. The Grant shall be Rs.10 Lakhs for a tenure of year, which shall be given on the basis of various subjects, reach, quality, sequels and considerations.



Kumaraguru Microcosm Programme carries out multiple projects of environmental sustenance to create a coexisting, inclusive and sustainable environment for a quality life of the humans and all other living partners.

- 4800+ trees of 100+ species
- 70 species of birds
- 50 species of butterflies
- 2500 kg of bio compost produced from vegetable peel waste every month
- 90% reduction in the use of inorganic chemical fertilizers
- 83,00,000 litres of rainwater harvested through 6 recharge wells and 2 percolation ponds.
- 50% reduction in paper consumption
- Ahimsa Vanam - A consciously curated experiential grove supporting rich biodiversity with 150 species of flora which shall in turn invite a plenteous species of lesser fowl and fauna.
- 1,50,000 native tree saplings of 60 different species raised in the campus by partnering with an NGO, Arulagam.
- The policy on paper usage for the students has reduced the paper consumption for academic activities by 50%. Focus for the Current Year:
- Resource Recovery Park, a centralised facility to manage and recover the used resources inside the campus.
- The Purchase Policy of the institution to be in accord with Kumaraguru Institutions' values of environmental sustainability along with environmental standards and certification
- Sustainability Education – KCLAS has launched a 3 month certificate program on Campus Sustainability for students and admin personnel from Industries and Institutions.
- Sustainability Consulting - Work with Industries / Institutions to provide consulting on the best practices on Sustainability.





Social Consciousness and Outreach

“ The ultimate goal, the only goal, of all our endeavours, is the good of the society”

- Arutchelvar Dr N Mahalingam



NAMADHU PANGU
EXPERIENCE THE POWER OF SHARING
KCT

The visionary of Arutchelvar Dr.N.Mahalingam that “If India has to continue her journey to progress and development, her villages have to develop. Industry and livelihood creation must go hand in hand with social development and participation of youth”.

Namadhu Pangu is a volunteer driven integrated community development initiative of Kumaraguru College of Technology that believes in commitment and expertise. The primary aim of NP is to sensitize students on the opportunities and concerns of society and encourage them to participate in the social construction. Currently Namadhu Pangu works under 5 primary themes enhancing the quality of life of people in the villages surrounding KCT (Chinnavedampatti, Anjugam Nagar, Udayampalayam, NG Pudur and Chinnamettupalayam).

EDUCATION | HEALTH | WOMEN
EMPOWERMENT | ENVIRONMENT | YOUTH
EMPOWERMENT



Kumaraguru Action for Relief and Empowerment (KARE), was founded in November 2015 that supports the victims of natural disasters such as flood and man-made calamities like industrial accidents. At present, the strategy or focus of implementation is: Rescue, Relief, Rebuild and Research. KARE was able to respond fairly at once during the Chennai and Cuddalore floods in the year 2015. KCT-KARE, SSN and volunteers across India covered 35 villages, reaching out to 6900 households to distribute materials worth 83 Lakh rupees. KARE team has reached out to the Gaja Cyclone affected areas in Karaikal, Nagapattinam, Pudukottai and Mannargudi in Nov 2018. KARE extended its support to Puri District in Odisha during Fani Cyclone May 2019. During the Covid-19 pandemic, KARE volunteers initiated and coordinated plans that include helpline calls, distribution of masks and sanitizers, accommodation to more than 100 migrant labourers, aiding post-harvest retails for farmers and distribution of food through the collectorate office.

In the Media

Guv unveils new central library, meditation hall at KCT Kovai

DC CORRESPONDENT
COIMBATORE, MARCH 20

The Mahatma Gandhi Central Library measuring 18,000 sq ft and the newly developed Gnaana Sabai meditation hall that can accommodate 150 mediators simultaneously, located in the Kumaraguru College of Technology (KCT) campus here was declared open by Sri. Banwarilal Purohit, Governor of Tamil Nadu, on Tuesday. This was part of 95th birth anniversary of Dr N. Mahalingam, founder of the group. A source from the educational institution shares with DC that the library houses 1.20 lakh books.

After the inauguration, Mr. Purohit said, "Tamil Nadu was close to Gandhiji's heart. It is important to remember that when Gandhiji started the Sabarmati Ashram in Ahmedabad, initially of the 25 inmates, 13 of them



Governor of Tamil Nadu Mr. Banwarilal Purohit inaugurates the library named after Mahatma Gandhi at KCT on Tuesday. Also seen are the faculty of KCT and industrialist K Gopalakrishnan.

were Tamilians."

Moving the focus to education, the Governor stated that Tamil Nadu has made great strides in higher education and leads the country in the number of students pursuing higher education. The establishment of colleges in the state and the introduction of various development schemes have made higher education more inclusive.

On the occasion, the Governor conferred the Dr N. Mahalingam Award on Mr. G. D. Gopal, industrialist and Dr Avvai Natarajan, a Tamil scholar and educationist.

Mr. B. K. Krishnaraj Vanavarayar, chairman KCT, Mr. M. Manickam, vice-chairman of the group, Mr. M. Balasubramanian, correspondent and Mr. Srinivasan treasurer were present.

Learn from cricketers, Anand tells sportspersons

EXPRESS NEWS SERVICE @Coimbatore

INDIA has moved away from being a one-sport nation, but players of other games should learn from cricketers how to generate the kind of interest that cricket evokes among people, chess grandmaster Viswanathan Anand said here on Tuesday.

Anand, who was in the city to participate in the founder's day function of Kumaraguru College of Technology, told Express that 10 years ago, it difficult to take up any sport other than cricket. Now things have changed and there is a lot of scope in other sports.

What players need to do is to popularise their game by working hard and getting more people into the sport. They can build on that, Anand said.

Cricket is already popular, but other sports need to be popularised. Even when people are not ready to take up other sports, government has extended support to these disciplines, he said. Awareness is not sufficient among people. Though women are lagging behind in sports, there is a good improvement, he added.

As people believe that chess helps students on the academic side, many come forward to learn the game, Anand said. And there are enough centres to train the students. Five years down the line, there would be double the number of Indians in the top 100 chess players of the world, he said. Now, there are only four Indians in the list. Chess is a game where a player needs to keep on practicing even to understand the concept. Anand, inaugurating Dr N Mahalingam Chess Academy on the Kumaraguru College of Technology campus, said the academy would become a hub for chess in the city.



Viswanathan Anand presenting a memento to a child in Coimbatore on Tuesday | EXPRESS

Five years down the line, there would be double the number of Indians in the top 100 chess players of the world. Now, there are only four

Viswanathan Anand

COIMBATORE

The Hindu

'Build capacity in students to go global'

SPECIAL CORRESPONDENT

COIMBATORE, NOVEMBER 09, 2016 09:00 IST
UPDATED: DECEMBER 02, 2016 13:40 IST

SHARE ARTICLE | f | t | w | e | p | b | p | a | A | A



Prakash Jaisankar (fourth left) unveiling the plaque to inaugurate the Students Facilities Centre at the Kumaraguru College of Technology. Chairman of the Institution Dr. K. Krishnaraj Vanavarayar (right) and Joint Correspondent Shankar Vanavarayar (third left) are in the picture.

Building capacity in students is vital to expanding the country's global footprint, Union Human Resource Development Minister Prakash Jaisankar said here on Saturday after inaugurating Sharada Mayam - Student Facilities Centre at Kumaraguru College of Technology (KCT).

Hackathon

Pointing out that students need to acquire skills in problem-solving at all levels, he exhorted institutions to encourage their students to participate in his ministry's new initiative Hackathon, wherein young minds could offer solutions to problems faced in local governance.

Incubation centre

On the new initiatives that is expected to bring about a dynamic change in the education, the Minister listed out an incubation centre at Chennai IIT that would facilitate research for customised solutions, Swayam to usher in anytime education online and choice-based credit system.

The Minister also said consolidation of Indian books to usher in five courses for students from ninth standard to post-graduation was in the offing.

His Ministry called for innovative ideas for research and of the 2000 ideas received so far, as many as 300 would get Rs.1,200 crore financial assistance.

Chairman of Kumaraguru College of Technology B.K. Krishnaraj Vanavarayar, Correspondent M. Balasubramanian, Joint Correspondent Shankar Vanavarayar and Swami Datrpbhanda of Sri Ramakrishna Mission Vidyalayam took part.

Researcher duo's low-cost e-bike set to go places

Vishnu.Swaroop
@timesgroup.com

Coimbatore: Two researchers at a private college here have made a low-cost electric bike. The vehicle, which has 3D printed parts, can cover 20km on a single charge, said S Kiranlal and V Brathikan of Kumaraguru Institution's automotive research centre Garage.

Educational institutions and industries can use it to improve campus mobility. The inventors have christened the prototype Duo V1.1 and are planning to make five more. They were aiming for a simple design that is easy to manufacture, Kiranlal told TOI. "While e-bikes have 10 to 15 parts, our prototype has only seven. We 3D printed some parts such as panels and mounts, which make the vehicle light."

The vehicle has an electric hub motor and is powered by a lithium-ion battery. It can cover 25km in an hour and delivers a maximum speed of 27 km/hour; It consumes 0.6 units of electricity to get recharged in 2.5 ho-



S Kiranlal and V Brathikan of Kumaraguru Institution's automotive research centre Garage have christened the prototype Duo V1.1

urs. It takes ₹5 to recharge.

"The short-commute vehicle can be used for intra-campus mobility at educational institutions, industries and government offices including secretariats, where people have to walk from one department to another. It can also be used for short rides within the locality," Kiranlal said.

The team is now engaged in phase-II research to improve ergonomics, design and materials, and to install smart card access and vehicle tracking system.

KCT towards a sustainable ecosystem

50 KW SOLAR POWER STATION IS INSTALLED ON CAMPUS, WITH THE GOVERNMENT OF TAMIL NADU SPONSORING 34 LAKH RUPEES OF THE TOTAL EXPENDITURE.

A SOLAR WATER HEATER IS INSTALLED PRODUCING **50,000 LITRES OF HOT WATER PER DAY**, THUS CUTTING DOWN ON THE ELECTRICITY CONSUMPTION.



A BIODIVERSITY IS FORMED ON THE CAMPUS TO HOME 55 BIRD SPECIES

THE CAMPUS NURTURES AND SAFEGUARDS **4800 TREES**, FILLING THE ENVIRONMENT WITH OXYGENATED AIR.



AN ORGANIC COMPOST YARD AND A SEWAGE TREATMENT PLANT ARE THE TWO NOTABLE GO-GREEN INITIATIVES ON THE CAMPUS.





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