



KIT-KALAI GNAR KARUNANIDHI INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

Annual Report – 2022-23

Date: 31-03-2023

Presented by: Dr. M. Ramesh, Principal

Most distinguished Chief guest of today's function, the most respectable Founder Chairman, Vice Chairperson, dignitaries on and off the Dias, Dear Professors, parents, guests and my dear students a very good after noon to all.

It gives me immense pleasure to present before you the Annual report of KIT-Kalaignarkarunanidhi Institute of Technology for the academic year 2022-23. KIT was established in the year 2008 under Vijayalakshmi Palanisamy Charitable Trust by our honourable Founder Chairman Thiru. Pongalur N. Palanisamy sir with 4 UG programmes and the student strength of 240.

Now, we are in the 15th year of inception and impart technical education to 2958 students and we have a very good student faculty ratio which enables us to pay individual attention to each and every student's progress.

We are offering 10 UG and 7 PG programmes and the programmes such as CSE, EEE, ECE Mech, Aero and MBA are permanently affiliated to Anna University. All the Six eligible departments (CSE, EEE, ECE, MBA, Mech and Aero) are accredited by the National Board of Accreditation (NBA).

Chemistry, ECE, EEE & Mechanical Engineering Departments have been recognized as the Research Centres of Anna University, Chennai.

In the last 15 years

Our Institution has successfully produced Over 4000 graduates in Engineering, Management studies and Computer applications.

We have signed more than 200+ MoUs with leading industries and organisations including MRC, Eastern Michigan University (USA), Lincoln University College (Malaysia), Cihan University, (Iraq), etc.

Established 15 research centres and centre of excellences to enhance the skills of the faculty and students.

More than 50% of our faculty members are either PhD degree holders or pursuing PhD. 19 of our faculty members are recognised research supervisors of Anna University.

KIT has been ranked as the best Engineering College (best value for money) in the country by India Today and our MBA dept. has been ranked as the best B-School from Business Standard Magazine.

National Cyber Defence Research Centre (NCDRC) supported by Govt. of India has been established at our institution through which more than 20,000 school students, General Public, Police personnel, etc. were educated on cyber safety and security.

KIT achieved 100% enrolment in TNEA counselling consecutively for the third time during this academic year.

Above all, UGC has included our institution under Section 2(f) & 12B and conferred Autonomous Status from the Academic year 2019-20 for a period of 10 Years. KIT attained this milestone in a short span of 10 years from the inception.

I am very happy to share the academic, research, Co-Curricular and extra-curricular achievements of our students and faculty during the academic year 2022-23.

KIT is ranked in the band of 251-300 among Engineering institutions all over India in NIRF Ranking 2022 (National Institutional Ranking Framework).

Our Aeronautical Engineering and MBA departments got accredited by the National Board of Accreditation for a period of three years from July 2022.

AICTE granted the approval for establishment of a prestigious AICTE-IDEA lab in our campus with a tune of 110 Lakhs.

We are the Band Performer at the national level in the ATAL Ranking of Institutions on Innovation Achievements (ARIIA) 2022 under the category of Private/Self-Financed technical institutions across the country.

KIT is awarded with 4 star rating for research innovation by Institution Innovation Council (IIC).

This academic year KIT has been re-certified by TUV Rheinland for ISO 9001:2015 towards the continual improvement with regard to the Quality Management System.

The construction of new Air conditioned hostel block has been dedicated for the benefit of our students consisting of G+3 floors with a total floor area of 26,640 sq.ft.

The ANSYS 5G Antenna Innovation Hub is established at a cost of 27 lakhs. In this laboratory, students and faculty members are encouraged to promote research and develop their skills in designing antennas for various applications. The laboratory is equipped with ANSYS 3D Electro-magnetic simulation software (High frequency Structural Simulator) installed in modern high-end desktops.

KIT is awarded as the Star Performer during IGEN SDG ACTION AWARDS G01- for the contribution made by the students and faculty members towards the completion of IGEN ENERGY99 CHALLENGE project in action to UN SDG Goals.

KIT has secured third place in mobilising maximum number of participants in Srinivasa Ramanujan Mathematical Competition conducted by ISTE Tamil Nadu section.

This year 6 of our students' projects have been funded by Tamil Nadu State Council for Science and Technology.

KIT students team won, a cash prize of Rs. 1,00,000/- for an innovative solution provided to the National Disaster Response Force (NDRF) during the Smart India Hackathon – 2022 conducted by Ministry of Education, Govt. of India.

“Get empowered to be an employer and not an employee”

With this thought, KIT is evolved with Entrepreneurship Development Cell to make the young budding engineers to become Entrepreneurs. This year we have received a grant of Rs. 9 lakhs from DST to carry out the entrepreneurial activities.

This academic year, 13 Memorandum of Understanding (MoU) have been signed with leading Industries/Institutions for providing internships and the research facilities for students and faculty members.

I myself have been recognized as one of the Top 2% Scientists in the World by Stanford University and Elsevier. I am ranked 15th in Tamil Nadu, 152nd Nationwide and 18869 globally among 2,00,409 Scientists.

The faculty members Dr. R. T. Yamuna, Dr. K. Ramasamy, Dr. K. Mahalakshmi, Dr. K Sampathkumar, Dr. S. Santhi, Mr. R. Gowrishankar, Dr. J Maniraj, Dr. M. Muthukrishnan and Dr. B. S. Harish including myself has been bestowed as the Top researchers according to the Total H-index by World Scientist and University Rankings 2023.

Our HoD/EEE Dr. R. Mythili, received “ISTE Best Chapter Chairman Award” from ISTE Tamil Nadu Section.

Dr. B. Anand, Agri & Dr. B. S. Harish, Biotech have been recognised as research supervisors by Anna University Chennai.

Dr. M Bharathi Assistant Professor Aeronautical Engineering, Dr. D. Kalapana Assistant Professor Maths and Dr. B Sumathi Assistant Professor English received their doctoral degree during this academic Year.

Mr. P. Balakrishnan Assistant Professor Agricultural Engineering, Ms. R. Vennila Assistant Professor Agricultural Engineering, Ms. R. Krishnaveni Assistant Professor Electronics and communication Engineering and Mr. R. Punithavel Assistant Professor MCA registered for PhD during this academic year.

In this academic year, a total of 78 papers have been published in reputed Journals, out of these 47 are SCI Journals, 26 are Scopus Indexed Journals and 5 are UGC/Peer reviewed Journals.

18 book chapters and 8 Text books have also been published.

As a result of continued Research and Innovation, KIT has filed 30 patents this year.

I wish to appreciate Training and placement cell and all the Department placement co-ordinators for their continuous support and assistance offered to enrich students' skills to be placed in reputed companies. For 2023 batch 741 job offers were made as on date for 580 students and 108 companies including Infosys, TCS, CTS, TECH MAHENDRA, L&T, CUB, ZOHO, SIEMENS, TESSOLVE, JSW, AROOPA TECHNOLOGIES, INNOVALLEY WORKS, etc... with a highest salary of 12 LPA.

National Level Technical Symposium and Inter College Cultural Fest, Udhayam'23, was conducted on 25-03-2023 in which more than 1500 students participated from 130 engineering colleges in and around Tamil Nadu.

Our NCC officer Mr. M. DINESH have been nominated and selected as Contingent Commander for Coimbatore Group at NTA, and under his guidance, Group won the Overall Championship in Tamil Nadu, Puducherry & Andaman Nicobar Groups.

Mr. R. Sakthivel, our Alumni, has been selected for the Indian PRO kabaddi League 2022 and represented Bengal Warriors Team.

Ms. R. Vinodhini, EEE and R. Swathi Sree, ECE represented Tamil Nadu State for the 44th Senior National Throw ball Championship held at Bihar.

Our Institution encourages and motivates the students and faculty members to participate in various conferences, guest lectures, seminars, workshops and symposiums to enhance their technical knowledge and get wide professional exposure. Here is the glance of participation.

- 74 faculty members have attended various Professional Development Programmes organised by NITTTR Chennai in the cutting edge technologies.
- **1107** students participated and **81** students won prizes in Co-curricular events organised by various colleges
- **76** students presented and published their research papers in different conferences and journals
- **994** Students have undergone in-plant training & internships for industrial exposure and experience.
- To get hands-on practical training, over **30** industrial visits have been arranged for students.

- Faculty members participation in workshops, Seminars, FDPs, etc.. is **249** during this academic year.
- **83** events were organized by various departments of KIT for the benefit of our students and Faculty members.

“Excellence is not a destination; It is a continuous journey that never ends”

KIT **Centre of Excellences** bridges the gap between industry & academia through Industry ready certificate courses. I am happy to say that KIT has the international Toastmaster club to enhance communication skill, public speaking skill & leadership qualities of students.

Apart from this, there are 7 Technical Clubs, 6-Fine Arts Clubs, 3 Community Development clubs and Energy Saving Club for the active participation of students in the club activities.

KIT is associated with PALS- Pan India IIT Alumni Leadership Series, through which 41 events have been organized to enrich the Quality such as Engineering Theory to Practice, Technology Speaks, Student Leadership Workshop, Pals Lab to Market Offering, PALS Hackathon, Faculty Development Program, Industry Visits, Internship & Placement, Student Development Program, etc. were organized.

Few achievements through the PALS are:

1009 students and 43 faculty members have participated and benefitted by the said events.

We are recognized as the best institute of the year 2022 bestowed by IIT Alumni Association, IIT Madras.

Winners for Best Project in the national level innovation project contest conducted by IIT Alumini association – InnoWAH –in different categories were awarded with cash prize of Rs. 44000/- as well as Incubation worthy project.

Won the Regional Finals (Shortlisted as national finalist – finals will be held on 06.04.2023) – eYantra Innovation Challenge 2023 - IIT Bombay, Four of our students have got paid internship at IIT Bombay Robotics laboratory.

51 students and 3 Faculty members participated in the international robotics championship 2022 held at New Delhi in August 2022.

As a part of **Institutional Social Responsibility**, many programmes have been organized for the welfare of the society, which includes

1. Vijayalakshmi Palanisamy Charitable trust has offered scholarship of ₹ 4.94 Crores for the benefit of 1029 students.

2. KIT in association with the Department of School Education –Tamil Nadu organized the State Level Kalai Thiruvizha for the school students. More than 1500 students participated from different districts.
3. KIT in association with Dina Thanthi organized Vetri Nichayam Program for the 12th students those who are aspiring for higher studies. More than 15000 students got benefitted through this program.
4. KIT in association with Times of India celebrated “Women’s Day” to appreciate the tireless and invaluable contribution of women on 8th March, 2023. KIT honoured four zonal women chairpersons of the Coimbatore Corporation, and the president of Kannampalayam Panchayat.
5. To celebrate 15 years of excellence, KIT in association with The Times of India has ideated an exclusive program Teacher’s Conclave to recognize and appreciate the special contributions of school teachers. More than 350 teachers were appreciated and awarded in this program.
6. To promote the reading habit among the public, KIT jointly with COIMBATORE CITY POLICE organised Books on wheels (Auto library) on 27/02/2023 at Singanallur, Coimbatore, in which 500 auto libraries were installed in the presence of Mr. V. Balakrishnan, City Commissioner of Police, Coimbatore.

Institution Building

1. Our campus is set in a vast area of 5 lakh sq. ft. All class rooms are well equipped and the state of art laboratories with 76 Mbps internet connectivity.
2. Central library with vast repository of knowledge replete with over 22,876 volumes of books; this year **1014** new books were added; 106 National Journals & 826 International Journal and E- Resources DELNET, Springer were subscribed with the cost of 8.87 Lakhs;
3. 3 New Laboratories are established for AI&DS, CSE and CSBS departments at the cost of 48.97 Lakhs
4. 38.04 Lakhs worth of new equipment were purchased for existing Laboratories.

NCC unit is functioning in the campus from the year 2018 onwards, this year

- 3 Cadets have completed the Combined Annual Training camp II Conducted by the unit 11 TN battalion NCC Salem.
- 2 cadets participated (IGC) Inter group competition in Combined Annual Training camp by 1 TN battalion NCC Chennai.
- 2 cadets participated in the DTE-TSC training camp by the unit 1 TN R&V SQN NCC Chennai.
- 17 CADETS attended the (CATC) Combined annual training camp I conducted by 4 TN battalion NCC Coimbatore.

- 2 Cadets participated in (RDC) Republic Day Camp at RVS Technical Campus Coimbatore conducted by 6 medical NCC Coimbatore.
- 11 cadets attended the Combined annual training camp II organized by 4 TN battalion NCC Coimbatore.
- 1 Cadet participated in (RDC) REPUBLIC DAY CAMP II conducted by 5 TN girls NCC Coimbatore.

The NATIONAL SERVICE SCHEME (NSS) Unit of KIT has organized

- ❖ Blood Donation Camp in which more than 154 students and faculty members of KIT donated blood.
- ❖ Clean India 2.0 – Swatchh Bharat plastic cleaning campaign in Kadampadi village, Coimbatore.
- ❖ “Mega Tree Plantation” on 1st July 2022 and planted around 20000 trees at Peedampalli Temple Land in association with Rotary club of Coimbatore west.
- ❖ An awareness rally on “My Waste My Responsibility” in Kannampalayam village in association with Kannampalayam panchayat.
- ❖ Poster making competition on the theme of “My Vote is my Right- Power of One Vote” to create awareness among the youth to vote.
- ❖ Solid Waste Management System Awareness Rally at Kannampalayam village to create awareness on solid waste management to the village people.
- ❖ Dental Checkup Camp at our premises and created an awareness about dental hygiene.
- ❖ Eye Checkup Camp at our premises and created an awareness of eye disorders, their early detection and detect refractive errors. More than 400 students and Faculty members got benefitted.

On the sports front, I wish to appreciate the physical directors for their efforts for bringing laurels to KIT.

Few of them are listed here

- 1st Position in Anna university **Zone-IX** Kabaddi for men
- 1st Position in Covai TIES in Throwball Women
- 1st Place in Throwball women’s conducted by Adithya Institutions.
- 1st Position in Hand Ball Men’s conducted by Tamilnadu Youth Sports council Salem.
- 2nd place in Kho Kho men’s conducted by Adithya Institutions.
- 2nd Place in Volleyball women’s conducted by Adithya Institutions.
- 2nd Place in Volleyball women’s conducted by Sri Ramakrishna Engineering College.
- 2nd Place in Throwball women’s conducted by Kumaraguru Institutions.
- 2nd Place in Football men’s conducted by Tamilnadu College of Engineering.
- 3rd Position in Covai TIES in Mens Cricket.

The following students excelled and won prizes in the Anna University Zone IX athletic Meet

- A. Mubena BME, Sagili Venkata Pavan reddy ECE, T Theivanai BME, L. Lavanya ECE Vinitha Biotech, R Jagadeeswari Biotech, V Kathikadevi ECE, S. Gopalakrishnan Agri, R. Jagadeeswari Biotech, and Dharshini Agri.
- R Reethika MCA, P Kaliyarasu BME, M Rohith Biotech, S V Amrutha AI&DS, and D. Rahul ECE secured prizes in various Zonal and state level sports.
- V. Karthika Devi of BME represented Anna University in the All India Inter University Fencing Tournament held at University of Jammu.
- Ramkumar of ME Engg. Design represented Anna University in the All India Inter University Kabaadi.
- KIT Women team secured overall 3rd Position in the Anna university sports athletics meet held at CIT Coimbatore.
- We have successfully organized the Anna university Zone IX Volley ball Women and Kabaddi Men at our campus.

We successfully, completed 15 years of excellence in technical education. At this juncture,

I would like to conclude my report with an assurance that KIT will continue its unwavering commitment for providing an exciting ambience for students to learn and develop knowledge in emerging areas and train them to become highly competent Engineering professionals to reach greater heights.

“The secret of getting Ahead is getting started. Start where you are, use what you have and do what you can; definitely you can excel in your future”.