

## Annual Report 2023-24

Date: 30-04-2024

Presented by: Dr. M. Ramesh, Principal

Most respected Founder Chairman Sir, Vice Chairperson Mam, CEO, Deans, HoDs, dear faculty & staff and my dear students a very happy morning to all.

It gives me immense pleasure to present before you the Annual report of KIT-Kalaigarkarunanidhi Institute of Technology for the academic year 2023-24. KIT 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 imparting technical education to 3154 students.

At present KIT offers 11 UG, 7 PG and 7 PhD programmes and one more new programme ECE (VLSI Design and Technology) is to be inducted from the academic year 2024 - 25.

Today, I could feel the mixed emotions in each and every student gathered here. All I wish to say is, the best is in store for all of you, you will only taste success in your life. With this note, I once again welcome you all to 16<sup>th</sup> Annual Day Celebration of our Institution.

Looking back to the day I got associated with the Institution, today I could see that the institution's growth is phenomenal and undoubtedly in this span of 16 years the Institution had grown by leaps and bounds.

### In the last 16 years

Our Institution has successfully produced Over 5000 graduates in Engineering, Management studies and Computer applications.

Our CSE, EEE, ECE, Mech, Aero and MBA departments are permanently affiliated to Anna University. All the eligible programmes (Aero, CSE, ECE, EEE, Mech and MBA) are accredited by the National Board of Accreditation (NBA).

Biotechnology, Chemistry, CSE, ECE, EEE, Mechanical, and Physics Departments are the recognized Research Centres of Anna University, Chennai.

We have signed more than 200 MoUs with leading industries and organisations including Centre for development of advanced computing (C-DAC Bengaluru), Intel Corporation, Dassault systems, Tamil Nadu Centre of excellence in advanced manufacturing (TANCAM), etc.

We signed an exclusive MoU with Coursera for the skill development of our students and faculty members.

Established 15+ research centres and centre of excellences including Intel Unnati lab, IoT lab, ANSYS 5G Innovation hub to enhance the experiential learning of our faculty and students.

More than 50% of our faculty members are PhD degree holders and 28 of our faculty members are recognised research supervisors of Anna University.

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

Above all, UGC has conferred Autonomous Status for our Institution for a period of 10 Years. KIT attained this milestone in a short span of 10 years from the inception.

On this 16<sup>th</sup> Annual day celebration let us reflect upon our achievements, initiatives, activities and take them as a way forward to continue bettering ourselves in the future.

## Institution Level recognition & achievements:

KIT is ranked in the band of 101-150 in innovation category among Engineering institutions all over India in NIRF Ranking 2023 (National Institutional Ranking Framework).

KIT is awarded with 4 star rating for research and innovation by Institution Innovation Council (IIC), AICTE, New Delhi.

Our CSE, ECE and EEE departments are accredited by the National Board of Accreditation (NBA) for a period of three years from July 2023 under Tier I category.

This academic year, 22 Memorandum of Understanding (MoU) have been signed with leading Industries/Institutions for providing internships and the research facilities for students and faculty members.

Received "Green Day Award 2023" in silver category from Institution of Green Engineers for 1169 students participated in green actions to protect mother earth on UN SDG goals.

Received 'Best Innovation in Demonstration' Award from AICTE - Institution Innovation Council on December 4, 2023 for the recognition of the Institution's contribution to innovation.

Our Robotics Laboratory has been recognized as one of the elite Top 15 e-Yantra Laboratories in India by eYantra, IIT Bombay among the best out of more than 425 labs in India.

KIT in association with Times of India organized "Times Quiz 2023" on 27.07.2023, more than 2500 school students were participated from all parts of Tamil Nadu.

KIT in association with National Cyber Security Research Council (NCSRC) organized "National Digital Security Summit 2023" on 11<sup>th</sup> and 12<sup>th</sup> August 2023. There are 229

projects are presented in this summit by the participants from different parts of the country.

KIT in association with Dassault Systemes & TANCAM organized "NXTGEN Engineers Conclave 2023" on the occasion of Engineer's day to strengthen the industry Institute collaboration on 15<sup>th</sup> September 2023.

Another flagship event in association with Dassault Systemes & TANCAM that is 'Women Hackathon 2024' is organized on 8<sup>th</sup> March, 2024 to encourage the girl students for ideate and innovate in engineering on the occasion of International Women's day. More than 350 girls teams were participated from the Engineering colleges across Tamil Nadu.

A National Level Technical Symposium and Inter College Cultural Fest, Udhayam'24, was conducted on 01-03-2024 in which more than 1500 students were participated from 130 colleges in and around of Tamil Nadu.

We successfully conducted "Project Expo 2024", all our final year students exhibited their innovative projects to the industrial experts and the best projects are awarded.

Vidhya Incubation centre project contest was conducted, 22 innovative student projects have been selected and provided a seed money of Rs. 2,20,000/- for this academic year by the management.

Very recently, the 8<sup>th</sup> Edition of IEEE International Conference "ICSTEM'24" were successfully organized on 26<sup>th</sup> and 27<sup>th</sup> April 2024. Nearly 1000 research papers have been received from that 200 papers were selected and presented. All the presented papers are to be submitted for inclusion in IEEE explore a Scopus indexed platform.

I wish to appreciate Training and placement cell and all the Department placement coordinators for their continuous support and assistance offered to enrich students' skills

to be placed in reputed companies. For 2024 batch 632 job offers were made as on date for 581 students in 143 companies with a highest salary of 12 LPA.

KIT is evolved with Entrepreneurship Development Cell to make the young budding engineers to become Entrepreneurs. This year we have received a grant from DST to carry out the entrepreneurial activities.

### **Institution Building (Infrastructure development and facilities created):**

Our campus is set in a vast area of 5 lakh sq. ft build-up area. All class rooms are well equipped and the state of art laboratories with 500 Mbps internet connectivity.

The prestigious AICTE-IDEA lab is established in the campus and inaugurated by Dr. P. Veeramuthuvel, Mission Director, Chandrayan III, ISRO on 4/11/2023 for converting student ideas into products.

The ANSYS 5G Antenna Innovation Hub is established at a cost of 27 lakhs. The laboratory is equipped with ANSYS 3D Electro-magnetic simulation software (High frequency Structural Simulator) installed in modern high-end desktops.

3 New Laboratories are established for AI&DS, CSE (AI&ML) and CSBS departments at the cost of Rs. 12 Lakhs. New equipments net worth of Rs. 28.93 Lakhs were purchased for existing laboratories during this academic year.

Central library with vast repository of knowledge replete with over 24,000 volumes of books; this year 1142 new books were added; 106 National Journals & 826 International Journals and E- Resources like Springer, IEI Journals, DELNET, Inflibnet, NPTEL-Swayam, NDL are subscribed with the cost of 9.14 Lakhs.

The newly constructed handball court of size 50 x 30 metres with concrete fencing at a cost of Rs. 8,00,000 has been dedicated to the students. Cricket net practice pitch is renewed with concrete base to enhance the durability of practice sessions.

## Faculty:

**“Teaching is the profession that creates all the other professions”**

I welcome the following faculty members those who have joined with KIT family during this academic year.

~~Ms. P. Sowmiya of Agri, Dr. R.P. Narmadha, Ms. B. Padmapriya, Ms. V. Prema, Ms. R. Kavitha of AI&DS, Dr. G. Elizabeth Rani, Ms. Yamini of CSE (AI&ML), Dr. A.S. Arun Prasad, Dr. Deblina Bharadwaj, Ms. J. Mohanapriya of Biotech, Dr. K. Umapathi, Dr. P. Gowtham of BME, Ms. T. Sudarvizhi, Ms. D. Mohanapriya of CSBS, Mr. M. Gowrisanker, Ms. S. Gokila Priya, Ms. T. Kalaivani, Ms. C. Saranya, Ms. M. Anitha of CSE, Dr. M. Sakthimohan, Dr. A. Vasantharaj, Dr. P. Gopinath, Ms. B. Anitha of ECE, Dr. M. Mary Linda, Mr. M. Deepak of EEE, Dr. S. Sudhagar, Dr. V. Suresh, Dr. P. Prabhu of Mech, Dr. K. Senthilkumar, Ms. S. Sindhu of MBA, Dr. J. Flora Catherin Rani, Ms. K. Gayathri of MCA, Dr. G. Marimuthu of Physics, Dr. Brintha of Chemistry, Ms. Archana of Maths and Mr. S. Balaji of English.~~

I wish all the above faculty members to have a successful career at KIT.

**The following faculty members are promoted as Associate Professors during this academic year**

~~Dr. A.R. Saravanan/Aero, Dr. A. Parimala Gandhi/ECE, Dr. R. Mythili/EEE, Dr. R. Kiruthika/Maths, Dr. D. Kalpana/Maths, Dr. R. Jeyachitra/Physics, Dr. K. Geetha /Chemistry, Dr. S. Nithya/English, Dr. E. Vijayakumar/MCA and Dr. S. Sivagnanabharathi/MBA.~~

~~Also 26 of our Assistant Professors are elevated to the level of Sl. Grade and 36 Assistant Professors are elevated to the level of Sr. Grade from this academic year.~~

**“Learning is continuous process”** To fulfil this quote our faculty members

Mr. D. Sandeep, Agri, Ms. K. Saranya, AI&DS, Ms. M. Jayanthi, CSE, Ms. R. Renugadevi, CSE, Ms. T. Kalaivani, CSE, Mr. P. Mathivanan, CSBS, Mr. S. Tamilselvan, ECE, Mr. K. Pradeep, EEE, Mr. C. Ramkumar, Mech, Mr. S. Dhamotharan, Mech, Mr. K.S Ashok Kumar, MBA, Ms. K.S. Shanthini, MCA, Ms. Nirmala, Maths have registered their PhD during this academic year.

**“Pain is Temporary A doctoral degree is forever”**

Dr. A.R. Saravanan, Aero, Dr. B. Deeban, Aero, Dr. M. Vimal Raja, Agri, Dr. N. Veerashekar, Biotech, Dr. J. Senthil Kumar, CSE, Dr. G. Elizabeth Rani, CSE (AI&ML), Dr. R. Gowrishankar, ECE, Dr. N. Prakash, ECE, Dr. Arivumani Ramanan, Mech, Dr. R. Saravanan, Mech, Dr. P. Hariprasad, Mech, Dr. S. Sivagnana Bharathi, MBA, Dr. K. Krishanamoorthy, MBA and Dr. E. Vijayakumar, MCA have successfully completed their doctoral degree during this academic year.

My congratulations to all the new doctorates and now the number faculty members with PhD qualification in our Institution is 80 (About 50% of total strength).

### **Faculty achievements:**

**“The greatest achievement is to outperform yourself”**

Our faculty members brought more successes and laurels to the Institution through their achievements.

I myself have been recognized as one of the Top 2% Scientists in the World by Stanford University and Elsevier consecutively 4<sup>th</sup> year. This year I ranked 9<sup>th</sup> in Tamil Nadu, 74<sup>th</sup> in India and 8906 globally among 2,10,198 Scientists. I am in the first position among the Principals of all colleges in Tamil Nadu.

Dr. K. Ramasamy, Dean/Academics, Dr. K. Mahalakshmi, Dean/Placements, Dr. R. T. Yamuna, HoD/S&H, Dr. S. Santhi, Head/CFRI, Dr. S. Raja Mohammed, HoD/CSE, Dr. R. Gowrishankar, HoD/ECE and Dr. B. S. Harish, AP/Biotech including myself has been bestowed as the Top researchers according to the Total H-index by World Scientist and University Rankings 2024.

Dr. E. Vijayakumar, HoD/MCA, received "Teaching Excellence Award" from Taylor's University, Malaysia.

Dr. S. Sivagnana Bharathi, HoD/MBA, received "Best Student Motivator Award" from Taylor's University, Malaysia.

Dr. R. Vasanthi, Agri received "Young Extension Educationalist Award" from Indian Society of Agriculture & Horticulture Research Development, Chandigarh.

Mr. G.A. Sivasankar, Aero received "Indian Aerospace Faculty Leader Award" from Institute of Aeronautics Astronautics and Aviation.

Dr. B.S. Harish, Biotech, Dr. S. Gayathri Devi, Biotech, Dr. C. Suresh, CSE, Dr. B.A. Sapna, ECE, Dr. A. Felix Sahayaraj, Mech and Dr. R. Janani, Physics have been recognised as research supervisors of Anna University Chennai.

Our NCC officer Mr. M. DINESH have been honoured with DDG Award 2023 from NCC, Tamil Nadu Directorate for Contribution to NCC cadets Training and Social activities.

**Research outcome & grants received:**

"No research without action, no action without research"

The research proposals submitted by our faculty members are acknowledged by various funding agencies.



Dr. R. Vasanthi, AP/Agri received a research grant of Rs. 3,80,000/- from Indian Council of Social Science Research (ICSSR), New Delhi.

Dr. K. Ramasamy, Prof & Dean/ECE received a grant of Rs. 3,50,000/- from AICTE for organizing a Faculty Development Programme.

Dr. S. Santhi, Head/CfRI received a grant of Rs. 2,25,000/- from AICTE under Mentor-Mentee Scheme to carry out IIC activities for 2023-24.

Mr. P. Balakrishnan, AP/Agri received a grant of Rs. 20,000/- from Council of Scientific and Industrial Research (CSIR), New Delhi for organizing a National Level Technical Seminar.

From the research outcome a total of 195 research papers have been published by our faculty in reputed peer reviewed international Journals. Papers published by our faculty were cited more than 2000 times by other researchers worldwide in one year. The significant publication count and citations reflects the impactful and extensive contribution made by our faculty and students in this academic year.

As a continued research and innovation, KIT has filed 36 patents in this academic year.

### **Professional development:**

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.

- 115 faculty members have completed various Professional Development Programmes organised by NITTTR Chennai in the cutting edge technologies.
- 37 faculty members and 655 students have completed the NPTEL Certification in this academic year.

- 732 students were participated and 126 students won prizes in Co-curricular events organised by other colleges.
- 300 students were presented their research papers in different national and international conferences at other colleges.
- 71 students were completed the German Language Training in this academic year
- 1051 Students have undergone in-plant training & internships for industrial training and experience.
- To get hands-on practical exposure, over 30 industrial visits have been arranged for students.
- Faculty members participation in workshops, Seminars, FDPs, etc.. is 353 during this academic year.
- 86 events were organized by various departments of KIT for the benefit of our students and Faculty members.
- The Indian Institute of Engineers awarded the first prize to our students with a cash reward of Rs. 25,000 in the National Level Project Expo competition.
- Our students M. Hariharan, EEE and S. Dharshini, BME received **"ISTE Best Student Award"** for the year 2023.
- S. Allwin Zola, M. Harrish and R. Vimal received **"Best Project Award"** for their project titled **"Skin Cancer detection using CCDC - Hybrid Neural Network"** from ISTE in the year 2023.
- A team of students from EEE department developed EV car with cost of Rs. 1,50,000/- named as **"KIT E-CAB"** and dedicated to the institution for the transportation purposes.

**“Perfection is not a destination, it’s a journey towards excellence”**

KIT Centres of Excellence 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 totally 12 Technical and Community Development clubs and Energy Saving Club for the active participation of students in the club activities.

#### **PALS - IIT Alumni Association:**

KIT is associated with PALS- Pan India IIT Alumni Leadership Series, through which 45 events have been organized to enrich the quality such as engineering theory to practice, technology speaks, student leadership workshop, PALS Hackathon, student development program, etc. were organized.

#### **Few achievements through the PALS are:**

In the academic year (2023-24), 1,346 students and 43 faculty members have participated in 45 different events conducted by the PALS and its industry partners. This year, our students won the national-level project competition innoWAH! in the category of clean energy and robotics. They also secured victories in various project hackathons and technical events such as the PALS Tutor Hackathon, Tinkathon, and residential student workshops, earning a prize of Rs. 51,000 and recognized as incubation-worthy.

A student team received the Best Business Pitch Award and a cash prize of Rs. 89,000 in the International Innovation Challenge 2023 conducted by e-Yantra at IIT Bombay. The team was also invited to incubate their product at IIT Bombay’s Incubation Centre with seed funding of Rs. 7.5 lakhs.

Our students emerged as winners in the National Startup Incubation Competition 'BUILD', conducted by IIT Hyderabad, and were awarded a grant of Rs. 1 Lakh.

Team KIT won the first prize in the Commute EV category, in the AICTE-hosted National Bharath Cycle Design Challenge and earning a cash prize and seed money of Rs. 1.4 Lakhs.

Team KIT was victorious in the Yukti Innovation Challenge, organized by AICTE, and MoE's Innovation Cell, receiving a grant of Rs. 5 Lakhs to transform their innovation idea into a startup.

Our students showcased their exceptional skills and were recognized as finalists in the Singapore-India Hackathon jointly organized by Ministry of Education and Nanyang Technological University and won a cash prize of Rs. 12,500/-.

Ministry of MSME, Govt. of Tamil Nadu in collaboration with Naan Muthalvan Scheme, hosted the Niral Thiruvizha Hackathon 2023. Six of our students projects are honored with a grant of Rs. 60,000 for its innovation and potential impact.

Linkedin Career kickstarter Programme & National Science day was organized in Collaboration with Naan Mudhalvan scheme on 19.12.2023 & 28.2.2023, Nearly 1250 students were participated in this programme.

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

- Vijayalakshmi Palanisamy Charitable trust has offered scholarship of ₹ 4.38 Crores for the benefit of 1597 students.
- KIT in association with Times of India organized "IGNITE 2024" for the school students to elevate their passion for academic success. More than 500 students and 200 teachers were participated from different districts.

- KIT in association with Dina Thanthi organized Vetri Nichayam Program for the 12<sup>th</sup> students those who are aspiring for higher studies. More than 1300 students got benefitted through this program.
- KIT in association with The Times of India has ideated an exclusive program Teacher's Conclave to recognize and appreciate the contributions of school teachers. More than 350 teachers were appreciated and awarded in this program.
- To promote the reading habit among the public, KIT jointly with Coimbatore city police organised Books on wheels (Auto library) on 24/01/2024, in which 500 auto libraries were installed in the presence of Mr. V. Balakrishnan, City Commissioner of Police, Coimbatore.
- KIT sponsored Daily Thanthi News paper to all government and government aided schools in Coimbatore and Nilgiris districts to inculcate reading habit among the students.

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

- T. Theivanai, BME participated in All India Thal Sainik Camp and secured 7<sup>th</sup> Place in Map reading event among 17 directorates in India.
- M. Keerthana, BME participated in the Republic Day parade 2024 held at New Delhi.
- 17 cadets attended the Combined annual training camp I conducted by TN battalion NCC Coimbatore.
- 11 cadets attended Combined annual training camp I & II conducted by TN battalion NCC Coimbatore.
- 6 cadets participated Combined annual training camp I & II cum Republic Day Camp at Coimbatore.
- 2 Cadets have completed the Combined Annual Training camp II Conducted by 11 TN battalion NCC Salem.

- 1 cadet participated in Combined annual training camp II at TN battalion, NCC, Madurai.

### **The National service scheme (NSS) Unit of our Institution has organized**

- Blood Donation Camp in which more than 200 students and faculty members donated blood.
- Clean India 2.0 - Swatchh Bharat plastic cleaning campaign program was conducted in Kadampadi village, Coimbatore.
- "World Environment day" celebrated on 5<sup>th</sup> June 2023 in our campus, our NSS volunteers were cleaned the entire campus and pledged towards to building a greener planet.
- "Mega Tree Plantation" program is organized in association with Rotary club of Coimbatore on 8<sup>th</sup> July 2023 and planted 1000 trees at Pallapalayam village Panchayat.
- A cleaning awareness programme in association with people movement for Clean Cities conducted in Irugur Village and created cleanliness awareness to the people.
- "Hemoglobin Test Camp" was organized jointly with Irugur Primary Health Centre on 29<sup>th</sup> September 2023 and threw a light on decreasing levels of hemoglobin for girl students and female faculty members.
- Solid Waste Management System Awareness Rally is conducted at Irugur village to create awareness on solid waste management among the village people.
- Poster making competition on the theme of "My Vote is my Right- Power of One Vote" is organized to create awareness among the students to vote.
- "Election Awareness Rally" in association with Sulur Assembly Constituency is conducted and create awareness about importance of voting.
- Dental checkup camp is organized in the campus and created awareness about dental hygiene.

- Eye checkup camp is arranged and created awareness of eye disorders, their early detection and detect refractive errors. More than 300 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.

**Our Students team secured:**

- 2<sup>nd</sup> Position in Anna university Zone-IX Kabaddi for men
- 3<sup>rd</sup> Position in Anna university Zone-IX Handball for men
- 4<sup>th</sup> Place in Volleyball women conducted by Adithya Institutions.
- 4<sup>th</sup> Position in Anna university Zone-IX Kho-Kho for men
- 1<sup>st</sup> Position in Throw Ball Women conducted by CIT, Coimbatore and SREC, Coimbatore.
- 1<sup>st</sup> Position in Throw Ball Women in Covai TIES.
- 1<sup>st</sup> Position in Cricket Men in Park Alumni Trophy (Inter College Tournament) conducted by Park Institutions.
- 2<sup>nd</sup> Position in Cricket men conducted by Dr Mahalingam College of Engineering and Technology.

**We have successfully organized the Anna university Zone IX Throwball Men and Kabaddi Men Tournament at our campus.**

**Athletics:**

- Our student Mr. Pradeep Kumar, Mech received second place in Bench press and Third place in Dead lift weight lifting competition organized by Tamil Nadu State

Power Lifting Association, Coimbatore and selected for National Level Power lifting Championship to be held at Surat, Gujarat in June 2024.

- M. Hariharan ECE, A. Mubena BME, J. Merlin Jasmine Agri, S.V Amrutha AI&DS, C. Dharshini Agri, K. Sharmitha ECE, and Saravanakumar CSBS won prizes in the Anna University Zone IX athletic meet.
- V. Karthika Devi of BME represented Anna University in the All India Inter University Fencing Tournament held at Coimbatore.
- S. Sinthu and Subhashini of BME represented and won 2<sup>nd</sup> place in National Level Junior Throwball Tournament.
- M. Dinesh Raja, V. Rithishwar, M. Harikumar of Mech and P Sanjay Kumar CSE are selected for Throwball men in Tirupur District Team.

We successfully, completed 16 years of excellence in technical education. All our activities are cantered on preparing our students for fruitful career and life. We help them to think critically, evaluate and analyse situations logically, offer creative and practical solutions and also identify right potentials for action.

At this juncture, I express my sincere gratitude to the Founder Chairman and vice chairperson for their immense support and guidance.

I would like to express my thanks and appreciation to our Deans, HoDs, Faculty and staff members for their dedicated effort which has enabled us to reach higher milestones.

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.

Thank You

  
30/4/24

**PRINCIPAL**

KIT-Kalaignarkarunanidhi Institute of Technology  
(An Autonomous Institution)

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