



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near **VIRUDHUNAGAR**).

25th ANNUAL DAY REPORT 18.03.2024





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Respected Members of the Managing Board, Distinguished Chief guests, Well-wishers of our institution, members from the Press, Honorable Parents, Teaching and non-teaching staff members and my dear students. Good morning to one and all present here.

HISTORY OF THE COLLEGE

Kamaraj College of Engineering and Technology was established in the year 1998, by the visionary management, which has a network of educational institutions for over one hundred and twenty-five years. Total Quality Education is its motto and it is named after the great leader Shri Kamaraj, who opened the gates of the school education for the poor children of the State by his Noon Meal Scheme.

The journey from 1998 to 2023 has shown rich progress with the culmination of NAAC accreditation with 'A' Grade for 5 years from 2020. After its small beginning in 1998, today it has grown up to offer 9 U.G. Courses and 2 P.G. Courses approved by AICTE. 7 of the departments have been elevated to be approved Research centres.

Managing Committee

The administrative system of Kamaraj College of Engineering and Technology is governed by a team of eminent office bearers who are very dynamic and have volunteered to contribute selflessly for the development of the institution. They are the guiding stars for shaping up the students by providing ample opportunities for academic growth as well as to achieve their career goals.

I feel immense pleasure in presenting the 25th Annual Day Report of Kamaraj College of Engineering and Technology. I take this opportunity to share the significant milestone, achievements of our institution during the past one year.

RESEARCH AND DEVELOPMENT CELL

Kamaraj R & D cell focus to create a Research ambience and improve the quality of Research in the college thereby creating a conducive environment for enhanced research

productivity in terms of publications, patents, products and funded projects. A seed money worth Rs.5 lakhs has been sanctioned by management.

Projects Completed

- ❖ **Improvement of Power Generation in a 20kW Solar PV Power Plant through Bypass Diode Scanning Algorithm and Modified Couple Matching Algorithm” by Dr.D.Prince Winston, Prof. & Head / EEE, AICTE –RPS, project duration 3 Years, project cost:1,50,000/-**

Sanctioned Fund

- ❖ **ATAL has sponsored Rs.3,50,000 for conducting Faculty Development Programme on “Quantum Computing revolution: shaping the future of Technology” from 11.12.2023 to 16.12.2023 to CSE Department**
- ❖ **Anna University has sanctioned Rs. 35,000 for conducting Six Day Faculty Development Programme on "Artificial Intelligence and Machine Learning" from 12.2.2024 to 17.2.2024 to ECE and IT Department**
- ❖ **Our college has bagged seven business-idea-incubation worth Rs.66.9 lakhs as MSME Host institution under MSME idea hackathon. which are listed below:**
 - **MSME has sanctioned Rs. 6,00,000 for a project entitled as “An IoT enabled Eco-Friendly Approach for the Retention of Water in Drought Agricultural Fields using Superabsorbent Polymers Made from Waste Pineapple (Ananascomosus) Peel” by Dr.B.Guru Karthik Babu, Assistant Prof. Dept. of EEE under the Idea Hackathon 2.0 scheme.**
 - **MSME has sanctioned Rs. 9,00,000 for a project entitled as “Design and Fabrication of Pesticide Spraying and Seed Sowing Robot ” by Mr.S.Wesly Mosses , Assistant Prof. Dept. of MTR under the Idea Hackathon 2.0 scheme.**
 - **MSME has sanctioned Rs. 8,00,000 for a project entitled as “In-Situ Greenhouse Monitoring and Controlling System using IoT ” by Ms P.Kaviya, Assistant Prof. Dept. of IT**
 - **Dr. S.Karthick Kumar Asso Prof, Dept. of BT received project grant with an amount Rs.13,50,000 entitle “Design and Development of AI-Based Smart Water Food Quality Analyzer as a Home Appliance to Monitor the Selected**

Quality Parameters, Contaminants And Adulterants “under the MSME Idea hackathon 2.0 scheme.

- **Dr. S.Karthick Kumar Asso Prof, Dept. of BT** received project grant with an amount **Rs.10,25,000** entitled “**Design and Fabrication of Solar Assisted Smart Bokashi Composter for Onsite Conversion of Bio-Waste to Organic Fertilizer at Infertile Soil Area**” under the MSME Idea hackathon 2.0 scheme.
- **Dr.D.Prince Winston, Prof. & Head./EEE, Dean (Research)** has received a project grant with an amount **Rs.11,75,000** entitled “**Development of Hardware Interface to Generate Electric Power from Parked Electric Vehicles**” under the MSME Idea hackathon 2.0 scheme.
- **Dr.D.Prince Winston, Prof. & Head./EEE, Dean (Research)** has received a project grant with an amount **Rs. 10,50,000** entitled “**Development of Eco-Friendly Battery Balancing Kit for Electric Vehicle Applications**” under the MSME Idea hackathon 2.0.
- ❖ **The Institution of Engineers (INDIA)** has sanctioned **Rs.66,000** for a project entitled “**An embrical based intelligent safety approach for reducing two wheeler crashes in urban area**”, guided by **Dr.B.Guru Karthik Babu, Assistant Prof. Dept. of EEE** and **Dr.D.Prince Winston, Professor& Head, Dept. of EEE**.
- ❖ **Dr.D.Prince Winston, Prof. & Head./EEE, Dean (Research)** and **Ms.S.Nisha Rani, AP / ECE** received project grant worth **Rs. 14,04,600/-** from Department of Science and Technology under the scheme of Children Centric Outreach Programme.

AWARDS AND ACHIEVEMENTS

Our Kamaraj College of Engineering and Technology received recognition for **Active Participation in Blood Donation Camp** organized by Indian Medical Association and Meenakshi Mission Hospital.

Our Institute has received the most prestigious awards from various organizations. They are as follows:

- ❖ Awarded as Best Private Engineering College in Tamil Nadu 2023 by Chamber of Commerce and Industry, New Delhi.
- ❖ Ranked 23rd in Higher Education Review Top 100 Engineering Colleges in India 2023.
- ❖ Ranked 23rd in CSR – GHRDC, India’s Top Engineering Colleges of Excellence 2023 by Competition Success Review.

- ❖ Recognized in Private Category as 69th and 359 in National Rank by AD Scientific index 2024.
- ❖ Ranked 90th in DATAQUEST – CMR Survey – Top 100 Engineering Colleges in India 2023.
- ❖ Received AAA+ ranking from Career 360 Degree Magazine.
- ❖ Ranked as 94th in private engineering colleges 2023 – 24 by Education World.
- ❖ Received Silver Band with B++ Grade for OBE Ranking 2023 by R World Institutional Ranking.
- ❖ Department of CSE & IT recognized as Research Center by Anna University Chennai.
- ❖ Recognition from Institute for Environment Conservation Advocacy, Hyderabad.
- ❖ IIRF2023 ranking – 8th position in Tamilnadu, 14th in South zone, 20th in All India.
- ❖ Recognized as Center of Excellence for Youth Empowerment under Honeywell Student Empowerment Program.
- ❖ Received Rs 30,000 grant from DRDO New Delhi for organizing workshop.
- ❖ Renewal of Research Centre for Dept of Chemistry up to 2025.
- ❖ Recognized as Academic Partner with Celonis Academic Alliance.
- ❖ Best NSS Unit Award from Thiru.Udhayanithi Stalin, Minister for Youth Affairs & Dr.Velraj, Vice Chancellor, Anna University.
- ❖ Received certificate of appreciation from Indian Association for the Blind for outstanding excellence and voluntary contributions.
- ❖ Received Active academy from CISCO Networking Academy program.

VIPs Visited

- ❖ **Mr. Erode Mahesh**, Vijay TV anchor inaugurated the first year Initiation programme on 14.07.2023.
- ❖ **Mr. Rangaraj Pandey**, delivered the inspirational speech for the first year orientation programme.
- ❖ **Ms.Jeyanthirishri Balakrishnan**, delivered a motivational speech in "யாதுமானவள்" programme conducted for our I year students on 04.06.2023
- ❖ **Ms.Jeyanthi**, Former Group Director, ISRO Bengaluru and **Dr. Sudhakar, Deputy Director, ISRO, Mahendragiri** acted as the Chief guest for 21st Graduation day.
- ❖ **Er.Baranitaran**, Client Partner in TCS, Toronto, Canada acted as chief guest for Mini Technovision 2023
- ❖ **Mrs.Jyothi Reddy**, CEO, Key Software Solutions Inc, Arizona – USA delivered motivational Lecture on “Turning Setbacks into comebacks”.

- ❖ **Dr.Daniel Chelappa**, Eminent Nuclear Scientist delivered Guest Lecture on Scientific Patriotism for first year students.
- ❖ **Dr.Raama Srinivasan**, Director, NABARD delivered a guest lecture on Start-up India.

Faculty Achievements

- ❖ **Dr. Karthikumar**, ASP/BT, has been selected to receive a TARE Fellowship from DST.
- ❖ **Dr.Arthy AP/IT, Ms.Deepapriya AP/IT, Ms.Santhipriya AP/CSE, Ms. Selvarani AP/CSE,**and Er. Asir AP/CSE are recognized as Wipro-certified faculty.
- ❖ 22 faculty members were being recognized as top-performing **mentors by NPTEL**.
- ❖ 7 faculty members became **NPTEL toppers in various courses**.
- ❖ **Ms.Stella Mercy, AP/ECE**, has received an NPTEL SPoC certificate from IIT Madras.
- ❖ **Ms.Janani, AP/CSE**, has received the NPTEL Domain Certificate in Data Science.
- ❖ **Dr.Balasundar, AP/MTR**, has received the **Most Valuable Paper award** from Journal of Magnesium and Alloys, Elsevier with an impact factor of IF 17.1
- ❖ **Dr. Prince Winston, HOD/EEE**, Dean Research, has been recognized as one of the Top 2 percent of scientists by Stanford University, Elsevier.
- ❖ **Dr. T. Pandeselvi, ASP/ECE**, has been recognized as an outstanding female researcher in medical image processing by Venus International.
- ❖ Our ECE faculty members received a voucher worth **Rs 20,000** from Tessolve Semi Conductor, Bangalore.
- ❖ **Dr.T. Prathiba, ASP/ECE**, has received the Global Faculty Award from AKS.
- ❖ **Dr.G. Mahalakshmi, AP/CSE Mrs. K. Muthu Lakshmi, AP/CSE; Mrs. R. Indhuja, AP/CSE; and Mrs. B. Santhi Priya, AP/CSE**, are recognized as active instructors by CISCO.
- ❖ Our College faculty members participated in **1174** programmes which include Faculty Development Programmes, Workshops, Seminar/Webinar and special lectures.
- ❖ Our College organized **38** workshops, **46** Seminars, **21** FDPs, **42** special lectures and 39 Contests in our college for the benefit of faculty and student communities.
- ❖ Totally **105** research articles have been published in this year by our faculty members in various reputed journals.
- ❖ **15** Book chapters and **10** conference publications have been published by our faculty members.
- ❖ **39** patents are filed by our faculty members, **11** patents published.

- ❖ **20** Copyrights filed by our faculty members in this year out of which **14** Copyrights have been published.
- ❖ Various departments of our college have organized **35** Skill Development Programmes and **22** Value Added Courses.

RESEARCH PROPOSALS SUBMITTED

Funding Agency	Project Proposals Submitted	Project Proposals Sanctioned
TNSCST	Students –109 , Faculty - 1	Students -6, Faculty – Under Review
DST	5	Under Review
SERB-CRG	11	Under Review
CSIR	7	Under Review
ICMR	2	Under Review
DBT	1	Under Review
DRDO	1	Under Review
ICSSR	2	Under Review
BIRAC-BIG Grant	1	Under Review

Student Achievements

- ❖ Our Student Meenakshi, Sureka and Swetha, III ECE **won cash award of Rs.30,000/-** in Women's Hackathon 2024 organized by TANCAM.
- ❖ Our Fine arts team students **won second prize and cash award of Rs.10,000/-** in the dance competition held at Pollachi.
- ❖ Our ECE students **won Rs.10,000/-** in the Women Hackathon event held at Coimbatore.
- ❖ Mr.Jefrey Benson, II AD completed **fastest 230 km** ride in Single speed cycle and created **Indian Book of Record**.
- ❖ Our student Mousika, Niranjana Devi and Sudharshan of IV BT received **first prize and cash award of Rs. 1 Lakh** in the FAER Scholarship competition.
- ❖ Ganesamoorthy, III AD, Dharsan, III BT, Suganesan, III CSE, and Prabhu, III CSE from Kamaraj College got **third** place in the **State Level Intercollegiate Competition, INARA 24**, which was organised by Lady Doak College in Madurai.

- ❖ Our Kamaraj students Akila, Charanya, and Dharun, III IT, presented a **poster** at the BioSangam 2024 Conference at MNNIT, Prayagraj, Uttar Pradesh, and received first place.
- ❖ Tejas Dhakshin, Vishnu Deepan, and Bala Sibi Harish from III IT competed in the Dark Patterns Buster Hackathon Grand Finale at IIT (BHU), Varanasi
- ❖ Balaji, Joe Selvarakshan and Praveen of III IT have won **first prize and cash award of Rs.12,000/-** in the Ideathon 24 contest organized by Mepco Schlenk Engineering College.
- ❖ Our students Jeyesh Vishnu, and Balaji has **started his own company** and is registered under MSME.
- ❖ Our student Ms.Sridivya, IV BT has participated in **Vijay TV Navaratri Celebration.**
- ❖ Benita Margaret, IV BT, a Kamaraj student, presented and **earned the Best Oral Presentation award** at the International Symposium on Fostering skill development in the Biotech industry: a road to success in Chennai.
- ❖ Our Kamaraj Students Shvetha. Pavithra and Kamali of III ECE won **first prize and Cash award of Rs.5,000/-** in the **ProHackathon Event** held at VIT.
- ❖ Our CSE students participated in the **Grand Finale of Inventors Challenge** at New Delhi
- ❖ Our ECE students participated in the **Grand Finale of Smart India Hackathon** at Chandigarh, Punjab.
- ❖ Our CSE students has been selected for the **FAER scholar award.**
- ❖ Our Civil Engineering students Jai Bala Ganesh, Atchaya Devi, and Varsha earned **first place in the Non-Technical activities** organised by Tapo-Consumer Networking at the Smart Cities Expo 2024 in New Delhi.
- ❖ Our student Kasthuri won **second place in the state-level Book Review Competition** conducted by Kamaraj and the Virudhunagar Readers Club.
- ❖ Anna University's Girls Yoga team won **third in the Southwest Zone Inter-University Yogasana Tournament.** Our student, Ms.K.Sakthi Shivani II BT, is a part of the team.
- ❖ In the Anna University 17th zone Intercollegiate tournaments,
 - **Our boys team won first position in Table Tennis, second position in cricket, third position in Badminton and fourth position in Volleyball.**
 - **Our girls team won second position in Table Tennis and fourth position in Badminton.**

- ❖ Our student **Asif Hussain**, IV BT, won **Silver medal** at the Anna University **Interzone Taekwondo Competitions**.
- ❖ Parvatharajan III MTR, a Kamaraj student, placed **sixth** in the **Weightlifting tournament Strong Man of South India 2024** organised by the Indian Fitness Federation.
- ❖ Our NCC cadets Dhanush and Thrisha are selected to represent Tamil Nadu in the **Prime Minister Rally at New Delhi**.
- ❖ Our **Fine Arts Club team** won the **State level Group Dance competition** conducted at Anna University Coimbatore.

Important Events

- ❖ Silver jubilee celebration Valedictory function was conducted on 15.07.2023.
- ❖ Audio-video Hub was inaugurated on 13.10.2023 for facilitating digital teaching and learning
- ❖ Fifteen of our faculty members participated in the Bike Rally programme for creating awareness on Child Education from 06.12.2023 to 08.12.2023.
- ❖ DST Sponsored awareness programme on “Various Emerging Technologies for the School Children” was organized in three phases. Phase –I on 25.09.2023 to 28.2023, Phase –II on 29.11.2023 to 02.12.2023 and 09.01.2024 to 12.01.2024
- ❖ Kamaraj Grand Festival - KGF 2024 was organized for School students to exhibit their talents.
- ❖ College celebrated Tech-O-Fest Cultural programme on 09.02.2024
- ❖ Opening Ceremony of Kabaddi Court and Long jump pit was held on 17.2.2024.
- ❖ Our students and faculty members visited Malaysia for an Industrial Visit.

INDUSTRY - INSTITUTE INTERACTION / MoU

Our College signed an MoU with 24 different Industries during the year. They are,

1. Pruvity HR Solutions, Madurai
2. Ramco Cements, Virudhunagar
3. Habesec Technologies Pvt Ltd, Coimbatore
4. Relevantz Technology Services India Pvt Ltd, Chennai
5. Reccsar Pvt Ltd, Madurai
6. Confederation of Indian Industries CII YI
7. Vicanpro Technologies Pvt Ltd, Thoothukudi
8. Bhumi, NGO, Chennai
9. Germanus Group of Industries, Madurai

10. Kevell Global Solutions, Madurai
11. Pantech e-Learning, Chennai
12. Centre for Entrepreneurship Development and Incubation, NIT Trichy
13. Industry & Trade Development Centre, Madurai
14. White Pixel Technologies, Madurai
15. Elysium Academy, Madurai
16. YOUCODE Intelligence Solutions, Chennai
17. IPCS Global Automations Private Limited, Coimbatore
18. Altair, Chennai
19. CSIR – Central Building Research Institute Roorkee, Uttarakhand, India
20. DAAB Germany
21. Suresoft Systems, Pondicherry
22. Let's Pro Mysore
23. TANGO Academy of India
24. Prigaa Solutions, Bengaluru

KAMARAJ TechnoPark

KAMARAJ TechnoPark provides workspace for companies to start their operations in the campus. This initiative helps students to undergo internship in the campus itself and serves as an eye opener for their future career.

Kamaraj Techno Park Initiatives

Priga Solutions, UrTrip O Aviation, Vicanpro Technologies Pvt Ltd, and M/s.Relevantz Technology Services Ltd have opened an incubation centre in our college premises.

22 students are doing internship opportunity in Priga Solutions and 31 students have completed summer internship at Priga solutions.

- ❖ 4 of our students got placed in Vicanpro Technologies Pvt. Ltd.
- ❖ Inauguration of Relevantz company on 20-10-2023 and 14 students got placed.

NBA

- ❖ **Three programmes** (BT, Mech and EEE) are accredited by National Board of Accreditation, New Delhi for a period of 3 years upto 2026.
- ❖ **Extension of NBA** for Dept of CSE & ECE upto 2026.

Placement Details:

I express my sincere thanks to all the Placement and TDP team members for their wonderful effort towards the placement of our college.

2020-2024 Batch [Upto 15.03.2024]:

- ❖ Total number of placement = 252
- ❖ Average Salary - 3.5 LPA

GATE scorer

Six of our students and One of our faculty member got Best score in GATE Examination.

I am very much grateful to our members of the Managing Board for their continuous contributions to the growth and development of our College. I appreciate our Deans, CoE, Associate Deans, Heads of various Departments, faculty members, Office Manager and his team for their dedicated service in maintaining the discipline and academic standards. Hoping for another successful academic year 2024-2025 with all your support and good will.

Thank You.