

# **KAMARAJ**

**COLLEGE OF ENGINEERING & TECHNOLOGY**



**(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**).

## **24<sup>th</sup> ANNUAL DAY**

### **REPORT**

### **03.03.2023**





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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. This College, which is another dimension of this great man's dream, moulds the minds of the young and leads them to become professionals of the top order. The imparting of knowledge and professional skills is the lofty aim of this temple of learning. It is not thought of as an academic mill turning out engineering graduates, but 'Engineers' – professionals of the top order, who are ready to serve any industry or fully equipped to become entrepreneurs.

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 6 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. The management of the institution consists of the elected members of various Mahamai Tharappus of Virudhunagar.

Our college offers 9 UG courses and 6 PG Courses with a vibrant strength of 1950.

I feel immense pleasure in presenting the 24<sup>th</sup> 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 Research forum 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.3 lakhs has been sanctioned by management.

### **Projects Completed**

- Project entitled Modernisation of CAD Laboratory by Dr.S.Senthil, Prof / MECH, AICTE -MODROBS, project duration 2 years, project cost: 8,80,000/-.
- Modernization and Removal of Obsolescence of Power System Simulation Laboratory by Dr.S.Kalyani, Prof / EEE, AICTE – MODROBS, project duration 2 Years, project cost: 9,00,000/-.

- 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/-
- Optimal Design and Development of Machine Learning Model for Remote Monitoring and control of Hybrid Microgrid in Educational Institutions using Smart Sensor Network and IoT by Dr.J.Jeslin Drusila Nesamalar, AP / EEE, DST – SERB, project duration 2 Years, project cost: 28,64,600/-.

### **Sanctioned Fund**

- ✓ The Institution of Engineers (INDIA) has sanctioned Rs.47750 for a project entitled as IOT Supervised Machine learning module for palatable water production in PV/T System using Industrial sludges and nautical Husks, guided by Dr.B.Guru Karthik Babu, Assistant Prof. Dept. of EEE and Dr.D.Prince Winston, Professor& Head, Dept. of EEE.
- ✓ Anna university has sanctioned Rs.30000 for conducting six days FFTP programme on BLOCKCHAIN from 02.02.2023 to 07.01.2023.
- ✓ Our college IQAC cell has received Financial Assistance of Rs.30,000/- from NAAC to conduct Workshop on “Role of Assessment and Accreditation towards improving the Quality of Education and National Educational Policy implementation on Higher Educational Institutions” from 08.02.2023 to 10.02.2023.
- ✓ Dr.D.Prince Winston, Prof. & Head./EEE, Dean (Research) and Ms.S.Nisha Rani, AP / ECE received project grant with an amount of Rs. 14,04,600/- from Department of Science and Technology under the scheme of Children Centric Outreach Programme.

## **AWARDS AND ACHIEVEMENTS**

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

- Education Excellence Engineering College of the year 2022 Award received from Mr.Sunil Gavaskar.
- Our College is awarded as the Best Engineering College in South India for the Industry Interface from CEGR, New Delhi.
- Our College has received AAA ranking from Career 360<sup>0</sup> Degree Magazine.
- Our College is listed in Band Promising in Atal Ranking of Institutions on Innovations Achievement (ARIIA) 2021.
- As per AD scientific index, our College is recognized in Private Category as 442 in National Rank and 4702 in World Rank.
- Our college has received prestigious Bhumi Campus Award for Most Socially Responsible College.
- Our college has been ranked 28<sup>th</sup> among the top Engineering Colleges in India by Data Quest based on Employability.
- Our faculty members Dr.S.S.Saravankumar, HoD/Mech., Dr.D.Prince Winston., HoD/EEE, and Mr.P.Senthamaraikannan., Assistant Prof.,Dept.of Mech were recognized as Top 2% Scientists worldwide - 2022 by Elsevier BV, Stanford University.
- Thirteen of our faculty members are enlisted in world Scientists and University Ranking 2022 & 2023 published by AD Scientific index and our institute has received 147<sup>th</sup> Rank in Private category in India.
- Our Institution was registered as an NDLI CLUB under the National Digital Library of India.
- Our College is recognized for active participation in National Intellectual Property Awareness Mission Programme to create awareness on Intellectual Property Rights.

- Swayam-NPTEL has recognized our College as a Top 100 local chapter in India with a rating of 'A'.
- Our College Institution's Innovation Council (IIC) is rated with 3.5 star rating for conducting various activities prescribed by Innovation Cell, Ministry of Education, Government of India.
- MME-ICT, Ministry of Education, Govt. of India has recognized our College as Virtual Laboratory Nodal centre.
- AICTE has selected our college as the first batch of 50 institutions for the Leadership in Teaching Excellence (LITE) Programme.
- Meenakshi Mission Hospital & Tamilnadu State Blood Transfusion Council has appreciated our College for donating maximum units of blood.
- Recognized as Scientific and Industrial Research Organization by DSIR.
- Our college received recognition from Indian Association for the Blind for outstanding excellence and amazing commitment towards voluntary contribution.
- A patent has been filed in association with m/s TVS Tyres Ltd., Madurai.
- College received recognition from Mahatma Gandhi National Council of Rural Education for implementation of sustainability in campus.
- Recognized as active academy by CISCO.

### **Best Practice**

This year our college has followed the best practice of One Day One Industry. Our College has interacted with industry people through various activities such as handling Value added courses, Guest lectures, Hands-on training and workshops for the benefits of Faculty and Students community.

## VIPs Visited

1. Our College 25<sup>th</sup> year Silver Jubilee Inauguration function was celebrated on 15<sup>th</sup> July 2022. Vijay TV Neeya Naana fame Gopinth was the chief guest for 25<sup>th</sup> year Silver Jubilee Inaugural function.
2. Placement Day function was celebrated in our college on 28-04-2022. Dr. KU. Gnanasambandan was the Chief Guest of the function and he distributed appreciation certificates to the placed students
3. I<sup>st</sup> year Orientation day – Mr. Sujith Kumar, HR Business Leader, Infosys inaugurated the first year orientation programme.
4. 20th Graduation day was conducted on 3rd September 2022 for circuit branches, Dr.Umamaheswaran, Director, Human Space, Flight Centre, ISRO Headquarters, Bengaluru acted as the chief guest.
5. Dr. Srinivasan., Member Secretary, Tamilnadu State Council for Science and Technology, Chennai acted as the chief guest on 4<sup>th</sup> Sep 2022.
6. Mr. Deepa Jeyamani, Director, Hexaware Technologies interacted with first year students.

## Faculty Achievements

- ✚ Seven faculty members completed Ph.D degree.
- ✚ Dr.T.Pandiselvi, Asst. Prof., Dept. of ECE, have received Best Young Scientist Award from GRABS.
- ✚ Dr.T.Prathiba. and Dr. N.M.Mary Sindhuja., Asst. Prof., Dept. of ECE, have received Young Faculty Award from GRABS.
- ✚ Ms.S.Britha., Asst. Prof., Dept. of Civil has received IAS/INSA/NASI Summer Research fellowship from IIT Madras.
- ✚ Mr.Alwyn Rajiv., Asst. Prof., Dept. of ECE has received TNSCST Young Scientist Fellowship
- ✚ Dr.Kalyani, Professor., Dept. of EEE, has received inspiring Research Supervisor Award by Madras Journal Series.
- ✚ Dr.A.Ronaldo Anuf., Asst. Prof., Dept. of BT has received Best Researcher Award from Kumari Mangrove Foundation

- ✚ Dr.R.Suresh Babu, Dean Academics and Mrs. Ramalakshmi, Assistant Prof. Department of ECE have received GTA Excellence Award.
- ✚ Dr.S.Jeya Devi., Professor, Dept. of EIE has received Best Women Faculty Award from NOVEL Research Academy.
- ✚ Dr.T.Pandiselvi, Asst. Prof., Dept. of ECE, Dr. N.M.Mary Sindhuja., Asst. Prof., Dept. of ECE, Dr.A.Rajvel., Assistant Prof., Department of EIE and Dr.S.Jeya Devi., Professor, Dept. of EIE have Received the International Academic Excellence Award from I20R.
- ✚ Dr.T.Prathiba., Asst. Prof., Dept. of ECE and Mr.S.Alwyn Rajiv Asst. Prof., Dept. of ECE have received Educator of the Year 2022 Award from TIP Community.
- ✚ Mrs.K. Thanalakshmi, Coordinator / First Year and Ms.S.Janani, Assistant Prof., Dept. of CSE have received NPTEL Discipline Star award given by Swayam NPTEL.
- ✚ 12 faculty members were awarded with Top Performing Mentors by Swayam NPTEL.
- ✚ Mr.R.Reymond, Asst. Prof., Dept. of IT, Mrs.S.Athilakshmi, Asst. Prof., Dept. of CSE, Ms.J.Lavanya, Asst. Prof., Dept. of CSE, Mrs.S.Shobhika, Asst. Prof., Dept. of CSE have received Infosys Springboard certification.
- ✚ Our College faculty members participated in 1156 programmes which include Faculty Development Programmes, Workshops, Seminar/Webinar and special lectures.
- ✚ Our College organized 57 workshops, 52 Seminars, 8 FDPs, 77 special lectures and 26 Contests in our college for the benefit of faculty and student communities.
- ✚ Totally 75 research articles have been published in this year by our faculty members in various reputed journals.
- ✚ 5 Book chapters and 10 conference publications have been published by our faculty members.



- ✚ 9 patents are filed by our faculty members, 12 patents published out of which 7 patents received grant status [Includes 4 Indian patent and 3 Australia patent].
- ✚ 15 Copyrights filed by our faculty members in this year out of which 9 Copyrights have been published.
- ✚ Various departments of our college have organized 32 Skill Development Programmes and 20 Value Added Courses.

### **International Conference – Circuit and Non-Circuit Branches**

Our College organized an International conference for Non-Circuit branches on Sustainable Materials and Innovative Technologies on 18.03.2022 & 19.03.2022.

Our College organized an International conference for Circuit branches on Recent Trends in Engineering & technology on 08.04.2022 & 09.04.2022.

### **RESEARCH PROPOSALS SUBMITTED**

<b>Funding Agency</b>	<b>Project Proposals Submitted</b>	<b>Project Proposals Sanctioned</b>
TNSCST	Students – 73, Faculty - 7	Students -8, Faculty – Under Review
DST	1	Under Review
SERB-CRG	4	Under Review
Unnat Bharat Abhiyan	12	Under Review
Hyundai - Road Safety	2	Under Review
Virudhunagar Municipality	12	Under Review
CSIR	1	Under Review
DMR	1	Under Review

## Student Achievements

- ✚ J.Sahaya Joan Nichola-IV ECE, M.A.Haritha -IV ECE and A.M.Sarayu Vivarttini-IV ECE have received third rank and cash award of Rs.15,000/- in "Engineering students festival" conducted as a part of India International organized by Ministry of Earth Science, Ministry of Science & Technology.
- ✚ Our students S.M.Anna Lakshmi-IV ECE, M.SudaroliI -IV ECE, M.Muthunayagam -IV EEE and R.L.C.Prince Yona-IV MTR have received the ISTE Best Student Award for the academic year 2021-2022.
- ✚ 52 students of III year CSE and ADS have earned Google Cloud Digital Leader Training leader certificate.
- ✚ 23 Students have completed CCNA routing and Switching Essential course and received the CISCO certification.
- ✚ R.S Vishnu Segar and R.Akash of IV BT students have received second prize in the State Level project scheme 2021-22 Seminar cum Exhibition organized by Tamilnadu State Council for Science and Technology, under the guidance of Dr.S.Karthikkumar., Associate Professor, Dept. of BT.
- ✚ Totally 373 students completed and got NPTEL online course certificates from Swayam NPTEL online course portal.
- ✚ Areef Sulaiman.M., I Year M.Tech., Bio Technology has been recognized as NPTEL Discipline star in BioTechnology.
- ✚ Our Kamaraj student Rathinasiva, IV Mech has got scholarship of 1.49 lakh from Dinamalar.
- ✚ Our Kamaraj student Josheka received 3rd prize in Zonal Dance competition and received cash prize from Minister for Information Technology & Digital services.
- ✚ Our KCET student Sarvesh, III CSE, was awarded as Budding Entrepreneur presented by CII Connect at Madurai.

- ✚ Shyam Dhanasekaran, Akash Iyyappan and Sabarish Harikrishnan III year Mechanical Engineering won the second runner up in Autodesk Fusion 360 Mega Challenge scheme organized by Anna University and TNSDC out of 15000 participants
- ✚ Our boys Basketball Team, Volley Ball Team, Tennis Team, Athletics Team won Third Place in Anna University 17th Zone Inter Collegiate Tournament.
- ✚ Anna university team represented by Ms. Shakthi Shivani, I Biotechnology, along with others have been placed at 61th position among 211 Universities in National level Inter University Yogasana held at Odisha
- ✚ Our student K.Balaji of I ECE won 2<sup>nd</sup> place in National Judo Championship held at Haryana.
- ✚ Out of 1 Lakh students, our College IV CSE students A.Torfe Raja secured 5039 Rank, S.Prakash has secured 5370 Rank and S.Maheshwari has secured 5798 Rank in the Skillrack ranking report.
- ✚ NCC Cadet S.Subitha, II BT, was selected for EBSB Camp at Uttar Pradesh
- ✚ Our NCC Cadets M.Thirisha and R.Srinivash were selected for Group RDC TRG-II.
- ✚ Our Student Mohamed Baizulkasan secured fourth place in the State Level Body Building championship organized by National Physique Championship, Chennai.
- ✚ Aravind Narayanan and Jeevitha raj of III ADS won one lakh cash prize in UNISYS Innovation contest.
- ✚ Govardhan, III Mech has Participated in the State Level NSS Adventure Camp.
- ✚ III Year CSE students M.Bharathi Muthu, S.DanishRuban, S.Karthik Prabhu, K.Kailash received the winner certificate in the Mapathan contest organized by IIT Bombay in association with AICTE.

- ✚ Our NCC Cadets SGT V. TAMILSEVAN and CPL S. Harithan, secured Tamilnadu Government Scholarship Excellence in NCC Activities 2021 – 22

### **Important Events**

- ✚ College celebrated Silver Jubilee Tech-O-Fest Cultural programme on 12-11-2022.
- ✚ Thirty of our faculty members attended a Bike Rally programme for creating awareness on Child Education was held on 20-01-2023 & 21-01-2023.
- ✚ Kamaraj Grand festival – KGF25 for School students was held on 28-01-2023.
- ✚ Inter Academy Cricket Tournament for the School students – 06-10-2022

### **INDUSTRY - INSTITUTE INTERACTION / MoU**

Our College signed an MoU with 25 different Industries during the year. They are,

1. M/S. Sree Minniyal Ragu Entreprises, Sivakasi
2. SVS Foods, Madurai
3. Dawn Calorific Exports, Chennai
4. Dharmarathina Textile (p) Ltd, Aruppukottai
5. Pennisular Export Company, Virudhunagar
6. Garbage Bank, Virudhunagar
7. Maditssia, Madurai
8. Nuvepro Technoloies , Bengaluru
9. SmartAnt Technologies, Chennai
10. FinWallet Associates, Madurai
11. TEMS Tech Solutions, Nallur
12. Sri Hari Tex Industries, Madurai
13. Dhanyas Natural Products, Madurai
14. Techland Automation, Trichy

15. Nawad Tech, Madurai
16. NITTTTR, Chennai
17. Indian Navy, New Delhi
18. VEI Technologies, Chennai
19. Alfa TKG Integrated Solutions, Japan
20. Incrix Technologies, Kovilpatti
21. Graspear Solutions P Ltd, Chennai
22. Pupilfest Pvt. Ltd, New Delhi
23. Ramco Cements, Virudhunagar
24. Pruvity HR Solutions, Madurai
25. Human Intelligence Solutions, Madurai

### **KAMARAJ TechnoPark**

**KAMARAJ TechnoPark** provides work space for companies to extend/start their operations in the campus. This new 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 and UrTrip O Aviation have opened incubation centre in our College premise. This creates internship and live project opportunity for students.

### **NBA**

- BT, MECH and EEE successfully submitted eSAR Report on 22.12.2022.
- ECE & CSE successfully submitted the Compliance Report on 19.01.2023

### **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.

### **2018-2022 Batch:**

- Number of companies visited to our campus - 103
- Number of student's final year batch got placed 2021-22 - 530
- Maximum Salary -per annum (in lakhs) - 10 LPA
- Average Salary - 3.37 LPA

### **2019-2023 Batch [Up to 26.02.2023]:**

- Total number of Students = 462
- Total number of placement = 302
- Average Salary - 3.55 LPA

### **GATE scorer**

Eight of our students got Best score in GATE Examination.

1. R. Akash – Mark 46.0 - AIR: 510, Gate Score: 528
2. P. Sharmila – Mark 43.33 - AIR: 764, Gate Score: 483
3. R.S. Vishnu Shagar – Mark 41.67 - AIR: 960, Gate Score: 454
4. R. Vishwa – Mark 40.0 - AIR: 1212, Gate Score: 426
5. Allan Blessing Harison Raj – Mark 37.33 - AIR: 1722,  
Gate Score: 381
6. S. Abirama Sundari – Mark 37.0 - AIIR: 1789, Gate Score: 375
7. H.Mohammed Anwar – Mark 32.33 - AIR: 3122, Gate Score: 296
8. M. Shalini – Mark 38.67 - AIR: 2384, Gate Score: 445

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, CdoE, 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 2023-2024 with all your support and good will.

Thank You.