



SARANATHAN COLLEGE OF ENGINEERING, TRICHY - 12

ANNUAL REPORT FOR THE YEAR 2021-22

Distinguished Chief Guest Ms.Vasantha Subbaiah, Honourable Secretary, Respected Members of the College Committee, Heads of various Departments, Members of the staff (both teaching and non-teaching), invited guests, parents and students, a pleasant evening to you all.

Today, the twenty fourth annual day of our college is a significant day for all of us gathered here. The success story of our institution makes us remember the two important personalities – our founder secretary Vidya Seva Ratnam, Guru Seva Mani Auditor K Santhanam and our Bhishmacharya late director Prof. V. Nagarajan who led the path in which we are successfully marching towards the Silver Jubilee. Experiencing the showers of their blessings, our respect and gratitude will be for them ever and ever. Both of them were instrumental in setting our organisational bench mark very high so that this institution can take pride in being the most sought after college in the region.

I take great pride & pleasure in presenting the Annual report for the year 2021-22 of our prestigious institution.

One of the most significant achievements is that SIX UG branches (which include CSE, ECE, EEE, ICE, IT and MECHANICAL) of this institution have been further accredited by NBA for three more years.

My joy knows no bounds to share another noteworthy accomplishment in that the National Assessment and Accreditation Council (NAAC) has declared on April 19th 2021 that our institution is rated A+ grade with a CGPA of 3.27 out of 4.00.

As jewels in our crown, two more UG programmes namely B.Tech Artificial Intelligence and Data Sciences, B.Tech Computer Science and Business Systems have been introduced with an intake of 60 each.

I would be failing in my duty if I do not register here my sincerest thanks to the entire team of faculty (both teaching and non-teaching) for their display of total team work, dedication and the exemplary manner in which even the minutest details were addressed which made the institution achieve the significant milestones all within a year.

Infrastructure / Development:

- Bi-decennial block at an estimate of Rs.4.6 crores is ready for occupation.
- We have upgraded the centralised Computer Facility for hardware, software and computer peripherals with the total cost of Rs. 44, 67,236.
- A total of 556 books have been added to our Library collection this year bringing to a total of 57, 341 books.

Admissions:

- Thanks to the brand image the college has created and sustained and the continued confidence that the parents and students have reposed on our institution, we have been able to meet admission requirements this year also with enviable ease. It would not be out of place to mention here that the permission for introduction of new courses was possible because of our track record of enviable admission figures.
- As on date, we have 2441 students on rolls – 1555 boys and 886 girls.

Academic performance of the students:

- I am very pleased to register at this juncture that the college proves to produce outstanding results in the Anna University examinations this academic year also.
- I am very proud to announce that from the 2021 batch of B.E., B.Tech., M.E., MBA, 659 students have successfully completed their course.

- It is again a moment of pride and pleasure to report that among **659** graduates, **64** of them have passed with distinction and **594** have passed with 1st class. **4** students have brought laurels to the institution by obtaining University ranks.

Co-curricular activities:

In addition to attaining its mission of providing a quality academic education, the institution encourages and facilitates the students to participate in other co-curricular activities like seminars, symposiums and paper presentations. Due to paucity of time, we are not able to cover all such achievements but would like to list a few significant student contributions:

- **Ms.K.Amirthalakshmi**, Student of III Year EEE has participated in various co-curricular activities organized by different pioneering institutions including IITs and NITs and received an approximate sum of Rs.60,000/- as cash prize from all the competitions in this year. She is serving as a Microsoft- Learn Student Ambassador (Level: 3) for Microsoft Co.
- **Mr.P.Ramesh Babu AP/EEE and a team of 7 EEE** students won Third Prize in **SUVC 2021**“Saur Urja Vehicle Challenge 2021 (On line virtual presentation Round)”
- **Mr. S. Ramprasath, Mr.P. Ramesh Babu** and 3 EEE students participated in **Youth Zest Virtual Engineering Project Contest** organized by Indian Institute of Projects Technology 2021 and won **Rs. 5000/-** cash award as Best Participant Team for the Project entitled “Intelligent Drone”
- **Mr. Karthikeyan. S** of III yr CSE has got part time internship offer from Brytecam technologies and receiving a stipend of Rs. 45,000 PM. He has also received contract for freelancing work at Vegas Lit Games.
- **Mr. Krishnakumar, Mr. Rohit, Mr. Veeraharish, Mr. Vigneshwaran** and **Ms. Varshini** of Final CSE students developed an IOS application for the company "ExPalate", Singapore.
- **Ms. Madhumitha. R** and **Ms. SheimaLatha** of III yr CSE, have received "outstanding performer of Internshala Campus Ambassador" Award.

- **Mr. Dheeraj Prakash** of III yr CSE has received outstanding contributor award during his Graduate Rotational Internship program at the SPARKS foundation.
- **Ms. Abirami. R, Ms. SheimaLatha. J, Mr. Rohit and Ms. Thangam** of III yr CSE have successfully completed NGO project for Softhelp Educational charitable Trust.
- **Mr. Karthikeyan, Mr. Hariharan, Mr. Veeraharish and Mr. Vignesh** of III & IV year CSE have developed a website for TDCA (Trichy District Cricket Association)
- **Mr. Harish.V, Mr. Krishnakumar, Mr. Sanjay SP and Ms. Harshini** of II and IV CSE have developed a project called "Vignatree"- A decentralized ideation platform to crowd source radical innovation for -Inlustr
- **Mr. Kavikumaran, Mr. Rohit, Mr. Veeraharish and Mr. Vigneshwaran** of II and IV CSE have developed a project called -A co creation platform that allows fashion houses to co design sustainable wear with their clients.
- Many students were recognized as Student Ambassadors by various organizations and brought laurels to the institution. **Ms.Madhumitha. R, Ms. SheimaLatha. J, Mr. Sundarrajan. S, Ms. SherlinRetna. R, Ms. Preethi Prakash** has served as student ambassador for Internshala, **Ms. JesilaFoumiya. Z and Ms. Manashi. V J** served as student partner for Internshala, **Mr. S. Dheeraj Prakash**, served as a brand Ambassador for TUTEDUDE, IIT New Delhi.
- Most of our students show keen interest in developing mobile applications. Applications developed by **Mr. G. A. Varun**, on cyber cafe – utility application used for calculating the amount of using data in a browsing cafe, **Mr. Somakarathi. P** - Virtually connect convalescents (An Application for the Patient - Doctor interaction during COVID'19 - online mode) won best application awards.
- **A. Ratnakumar** of IT department has won **Best NSS Volunteer Award University Level**

- **M. Priyadharsan** of IT has secured **I place** in INTER-SOLO in MITAFEST'22 organized by **MIT- Chrompet**.
- **M. Priyadharsan** has received recognition award in Blacksheep's College DON Inter-College Cultural Event, Chennai.
- **A. Ratnakumar** of IT is certified as **Huawei Student Developers-Campus Ambassador** in India
- **Aswini Devi B** of IT received "precious Pearls"- Certificate of Publishing for the publication, Unvoiced Heart-Research writing tools and techniques-anthology
- **Aswini Devi B** of IT received Certificate of Publishing from Elysium House of Books
- Department of Basic Sciences and English jointly organized on 28.02.2022 **TECHXHIBTZ 2022** – Inter and Intra collegiate competitions in view of National Science Day celebrations. In this connection, Competitions on Exhibition of working models, Picture Description were conducted for I year B.E/B.Tech students.
- Our continued efforts to make our students acquire certification have borne fruit when 30 students got hands on training on LabVIEW conducted by National Instruments, Bangalore. 29 students and 6 faculty members got exposure on Autodesk Fusion 360 in association with USAM CAD Soft India Pvt. Ltd. In addition to this, various certification programs have been organised by all the departments.

STAFF ACHIEVEMENTS:

One of the reasons for such a creditable co-curricular performance of the students would undoubtedly be the effort of the faculty to strive and become role models by constantly upgrading their knowledge and qualifications. This facet is amply proved by the fact that 12 (Twelve) faculty members have successfully completed their doctoral degree. We are awaiting similar good news from many more existing faculty members who are at various stages of getting their PhDs. In addition, our

faculty members have published nearly 269 articles in reputed Journals, National and International conferences. Nine research scholars have successfully completed their Ph.D program in our research centres, recognized by Anna University, Chennai. Besides these our staff members have published 34 patents, got 30 design patents, three utility patents.

Research and Development:

As a fitting reward to the sustained efforts by our faculty members to get consultancy projects and research projects with funding, we have had quite a few successes this year also.

- **Dr. M. Shanmugavalli**, Professor of ICE, successfully completed funded project of Rs. 27,39,968 sanctioned by Department of Science & Technology (DST), Ministry of Science & Technology, New Delhi.
- A grant of Rs.21,51,046/- has been received from AICTE under Research Promotion Scheme (RPS) by **Dr.M.Santhi**, HoD, ECE as Principal Investigator and **Dr.C.Vennila**, Professor,ECE as Principal Co-Investigator for the project titled Development of Deep Thermal Imaging Application for Food Safety and Adulteration .
- A project funded by TNSCST under RFRS scheme for an amount of Rs.3.00 Lakhs by the research scholar **Ms.B.Divya** under the guidance of **Dr.M.Santhi** HoD, ECE is under progress
- A grant of Rs.93,000/- has been received by **Dr.V.Mohan** Department of ECE from AICTE - ATAL to organize FDP on “Cognitive Radio, Antennas and Millimeter Wave Communication”.
- The ECE Department has received a financial grant of **Rs.13,76,176/-** towards “Modernization of Power Electronics Lab for Integration of Renewable Energy Sources” from **AICTE under MODROB Scheme** for the duration of 2020-22.
- **Dr. S. A. Sahaaya Arul Mary**, HoD / CSE received an Academic Hardware Grant Project worth Rs. 3 Lakhs from NVIDIA - Hardware Kit

- **Dr.C.Krishnakumar, Dr.K.Kalyanakumar, Mr.P.RameshBabu, Dr.P.Ram Prakash**, and four students from III year EEE carried out energy audit at M/s. Mallow International (a leading textile industry) and M/s.V.K.A Polymers Karur and received Rs 1,00,000/- as consultancy charges during this year.
- **Mr. S. Ramprasath and Mr.P. Ramesh Babu** have installed Sara Muggy Data Logger system at Shobikaa Vmax Ltd, Karur during May 2022
- The third and final phase of the three days **Entrepreneurship Awareness Camp** (EAC), with a funding of Rs. 40,000, was conducted by the Department of Management Studies
- **Mr.B.Paranathagan** ASP/EEE has received a grant of Rs.7,500/- from TNSCST for a student project on **“Implementation of Peltier Module based Iron Box powered by Battery”**.
- **Dr. S. Mohana**, Asso. Prof / CSE received a grant of Rs. 7500 for developing an application “Emergency Rescuer App” from TNSCST.
- **Dr. A. Belin Jude**, Head/ Civil received a grant of Rs.7500/- Tamil Nadu State Council for Science and Technology.
- **Dr.S.Priyarega**, Asst.Prof, Dept of Chemistry received a grant of Rs. 7500 Tamilnadu State Council for Science and Technology .
- **Mr. S Venkatasubramanian**, Asso. Prof, Department of CSE received KIER (Kamaraj Institute Of Education and Research) - Outstanding Academician National Award 2022, Dr.Sarvepalli Radhakrishnan Life time Achievement National Award from IRDP group of journals on December 2021 and the Global Teacher Award 2018 - AKS, New Delhi ,
- **Dr. N. Lakshmikanthan**, Asst. Prof, Department of CSE received the award for Best Social Impact Project Idea by NIT Jalandhar - INNOVESTA'2021, Top 100 Indian Researcher award from FoX India Magazine, Award of Excellence in Research by Novel Technologies Corp.
- International Institute for Education Research and Development (IIERD) selected **Dr.G.Mahesh** Asso.Prof. Department of Mechanical Engineering as “Best Designer” and honoured him with International Education Award 2022.

PLACEMENT:

- We have an impeccable campus placement record during this academic year 2021-22. The most important companies in which our students have offers include Infosys Ltd, Tech Mahindra, TCS, CTS, MRF, E-Con Systems, Zoho, WIPRO etc. I am very proud to record here that this year was the 18th consecutive year for Infosys as our Day-1 hirer
- For the 1st time in the history of Saranathan, we have achieved a feat of securing 625 offers for the 2022 batch
- Out of 625 offers, 425 are from reputed MNC's especially from Infosys, CTS, TCS & Wipro
- The highest Cost to Company (CTC) package offered is Rs.11 Laks per annum. The average CTC on campus is Rs.3.75 Laks per annum.
- More than 50 organizations have recruited our students, and more than 150+ students are having multiple offers
- We have provided 35% of placements in core companies
- We have also started our placements for the 2023 batch students with 3 reputed organizations, e-Con, Vuram and Zoho Corporation who have recruited the students with a average package of 5.5 LPA
- Under AICTE Internships (through Internshala) our institute has secured 181st rank among 1100+ institutes (Nation-wide) for the academic year 2021, 67th Rank out of 488 participating colleges across the South Zone with around 200 internships offers and 25 plus internships with Pre-placement Offer.

Training:

- Aiming to prepare the students to be industry ready to face the real-life corporate world, we are arranging many workshops, webinars with the resource persons from the corporate world to share their experience with our students and their view points on the various cutting edge technologies.

- Our Training and Placement department has achieved the record in placing the students by providing quality training by professional external trainers for both Aptitude and Technical training for more than 150 hours
- Students are also provided with an online practice portal, Neopat which consists of 10,000+ tests including with company specific approach/ lecture videos/puzzles and quiz series which enabled our students to sharpen their skills
- Online training programs for our students in collaboration with firms like Emergway academy, NIT – T COE, Festo India, Kriatek pvt. Ltd. were also conducted.

Extracurricular Activities:

- We believe that our students must get an all-round education as engineering graduates to become responsible members of the society that they will become a part of. As an institution, we encourage the students to participate in various inter-collegiate events where they can exhibit and imbibe extra-curricular education. I am not listing the skilful achievements of our students in all such extra-curricular activities so that I can ensure that my report does not become too lengthy.

Alumni Interaction:

- The alumni regularly visit the campus, address and motivate the present final and pre-final year students and keep them informed of the industry expectations and developments.
- Such alumni meetings have also generated potential corporate hirers for the institution.

Others:

Over and above everything that has been mentioned we also had the following significant function in the institution.

- The institution continued with the tradition of having an endowment lecture to commemorate the birthday of its Founder Vidya Seva Rathnam K Santhanam.
- TALENZIA'22 – inter-school competition was conducted in which students from various schools enthusiastically participated and won many prizes.

I would like to thank the Management of our institution in general and our Secretary in particular for giving me this opportunity to be part of our joint efforts to elevate the status and brand image of this noble Educational Institution.

I must also thank the students, the biggest stakeholder here, for maintaining discipline and for the love and respect that they shower on me. The students deserve a special mention here for the speed with which they facilitated the institution regain normalcy after the pandemic that devastated the world at large. The members of the staff both teaching and non-teaching deserve my sincere thanks for their unstinted support.

I am sure, with all your support, I can assure all the stake holders that we will certainly enhance the premium position which the institution currently enjoys.

Thank you



PRINCIPAL
Saranathan College of Engineering
TRICHY - 12.

Principal