



SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated with Anna University, Chennai.
Recognition of College under Section 2(F) and 12(B) of UGC Act 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637205 , NAMAKKAL DISTRICT , TAMILNADU



7.3.1 Institutional Distinctiveness

The college's mission and vision statements reflect its dedication to imparting technical education while nurturing ethical values and leadership qualities among students. Sengunthar Engineering College strives to produce competent engineers capable of addressing global challenges by promoting innovation, research, and industry-academia collaboration. The Vision and mission of the Institution are all oriented towards the holistic development of the student, which is evident that the organization has successfully fulfilled two decades of invaluable service to the betterment of rural communities, demonstrating dedicated commitment to their welfare is its distinctiveness.

Vision

To be a prominent centre for academia transforming the life of aspiring minds by imparting professional, technical, ethical, entrepreneurial skills and research attitude to address global challenges.

Mission

- To train the students to develop into competitive professionals and entrepreneurs with high ethical standards.
- To offer a contemporary and flexible curriculum, industry collaborative teaching, and learning process to achieve academic excellence in Engineering and Technology.
- To establish research centres of excellence in niche areas to foster research for addressing local and global challenges.
- To engage the students in extension activities and outreach programmes for social development.

The college is situated in a rural place. The rural students have some basic issues regarding use of English for communication, apprehensions of living and dealing with the cities, etc. The college atmosphere has been created to enable rural





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students to hone and exhibit their engineering skills at par with industrial expectations. Special attention is paid towards developing communication skills through,

- Personalized contact of faculty with the students under the mentorship system, whereby a student is assigned a faculty mentor during their first year.
- Continuous practice sessions in the Spoken English hour, delivery of seminars etc. are an integral part of the curriculum that helps students in their pursuit of competing with the world.
- To further instill confidence in the students, various programmes are run in the Institution. These programmes focus primarily on various cultural and technical activities including debates, quizzes, paper presentations etc.
- The students are also encouraged to participate in activities being organized at other institutes/universities to help them develop public speaking skills, a prime requisite of a contemporary engineer.
- NSS and NCC units are also established in the institute through which students get the opportunity to understand and learn societal and national perspectives and requirements.
- The institute provides an opportunity for the rural youth, especially for the economically underprivileged students from the villages and provides merit scholarships for benefited students.

Offers Minor Degrees/Honours

Our college introduced Minor Degrees/Honours to rural students in Tamil Nadu to produce Technocrats and Entrepreneurs which proclaims the uniqueness of our college.

Value Based Education

Our college provides value-based education to students. It instills educational and cultural values among students and aims at achieving multi-faceted development of a human being namely intellectual, physical, spiritual and





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ethical development. Imbibing the qualities of good conduct, self-confidence and high values would help students earn a significant place in society.

The curriculum provides a means to implement values in the form of courses like "Life Skills" which focus on critical thinking on particular problems, handling engineering ethics and human values, team work, communication skills which provides the base for the inculcation of values.

The newcomers in the first-year degree classes are given bridge courses and orientation classes which help them to get accustomed to the engineering education system. The first-year students are taught basic engineering subjects and science subjects. The students are subjected to continuous evaluation through assignments, class tests, Continuous Internal Assessment tests, Performance Improvement Test, viva for labs etc. The slow learners and advanced learners are identified in the process of evaluation and appropriate measures are taken. The performance of students is monitored and reported to the parents by their mentors.

In the higher semesters, students undertake core subjects along with, seminar, comprehensive viva, design project and main project. Majority of the final year projects are designed and developed to serve the needs of society. Higher semester students are gained more knowledge through Minor Degrees/Honours.

Pournami Kaviyarangam

Pournami Kaviyarangamis conducted for the students to enhance their talent in Tamil language. Honouring Tamil and the prestigious culture rooted in the language, Our College established Tamil Mandram and conducted Pournami Kaviyarangam on every full moon day, in glory and grandeur. Centered around the theme of Tamil art forms and culturals, the ardent group of students and faculty members organizes the event " Pournami Kaviyarangam " as a tribute to this ancient language under the chairmanship of Prof. A.Baladhandapani, Correspondent of the college.

The club initiates varieties of activities aimed at building up the confidence and grooming the talents of facing various interpersonal activities and competition.





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Various competitions in extempore, debate, essay writing, creative writing, poetry writing, oratory are conducted to enhance the students' skills towards Tamil Language. Students are motivated to participate in other college Tamil Literary events also.

Implementation of appreciation award

Best Library User Award and Best Intellectual Library Award

The library plays a vital role in developing the academic skills of faculty members and students. It helps to enhance and update knowledge and it is a shelter for knowledge hunters. It provides additional resources. Students update themselves and it has given them exposure to prepare for their Competitive Exams. Faculty members are provided with the required data for their classroom teaching, updation and research. "Best Library User Award and Best Intellectual Library Award" are introduced among students to promote the number of visitors to the Library. Every year a test is conducted for all the Department students. The exam is conducted at the end of the academic year and the Best Intellectual Library Award is given. The Best Library User Award is given to the students based on their number of visits, academic performance and duration of stay in the Library. It brings out better results and increases the number of visitors to the Library. The winners of the Awards are honoured with a certificate, a shield and cash awards on the eve of the Annual Day Celebrations of our College.

Sengunthar Skill Development Centre (EAGLE)

Sengunthar Skill Development Centre has been actively engaged in fostering practical skills among students in various engineering disciplines. The centre initiated on 19.02.2024 for manufacturing operations under the brand name "Eagle," producing a range of innovative products designed and manufactured by its students.





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Products Manufactured:

Department of Mechanical Engineering:

- Sengunthar Smokeless Stove (SSS - Brand): A novel stove design aimed at reducing smoke emissions and improving efficiency.
- Automatic Dust Bin Collector: An innovative solution for automated waste collection.
- Knife: A versatile tool catering to various cutting needs.

Department of Electrical and Electronics Engineering:

- 9 W Electric Bulb: Energy-efficient lighting solution.
- 5 A Junction Box: Electrical component facilitating safe connections.

The participation of Sengunthar Skill Development Centre in the IMPA Trade Fair from March 9, 2024, to March 11, 2024 at Tex Valley, Erode proved to be a fruitful endeavor, showcasing the innovative products developed by students. The substantial interest and sales recorded underscore the effectiveness of the centre's efforts in imparting practical skills and fostering entrepreneurship among students. With continued dedication and innovation, the centre aims to further contribute to the advancement of engineering solutions and the promotion of sustainable practices in the industry.

Our institution provides many facilities to the students to achieve their goals in the right manner. As a part of this, the institution has a nodal centre for incubation centre. The students can implement their innovative ideas into real-time projects with the help of the centre. Students are encouraged to register themselves in the professional bodies of engineering/technology like IEEE and IIC etc. so that they will be exposed to the engineering environment and culture. It will create a good ambience for the students to get activated in their branch of engineering and will benefit them professionally. They will no doubt be more aware of the latest things that are taking place in the subject. Further, their leadership qualities and the quality of working together will also be improved while participating in such events.





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Also, our institution gives priority to Co-curricular and extracurricular activities and physical activities, such as Sports, Cultural, Yoga, Meditation etc. In addition to that NCC (Air Wing), NCC (Army Wing) and NSS (2 Units) are effectively working for the students to excel in academic and other activities.