

SRI SHAKTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi & affiliated to Anna University, Chennai, Tamilnadu.
College Code: 2727



POWERING THE YOUTH
EMPOWERING THE NATION

L&T By pass Road, Chinniyampalayam, Coimbatore, Tamilnadu
Phone: 0422 2369900

STRATEGIC PLAN

Year : 2018 -21

EXECUTIVE SUMMARY

Sri Shakthi Institute of Engineering and Technology, approved by AICTE, New Delhi and affiliated to Anna University, was established in the year 2006. In the beginning, the college was started with four departments of UG courses namely IT, CSC, ECE and EEE with a student population of around 400. The institute gradually developed into a multidisciplinary institution with 8 UG and 8 PG courses with a student population of 1120 students getting enrolled each year. The college was ISO certified in the year 2009 and National Board of Accreditation (NBA) was secured for four UG courses namely IT, CSE, EEE and ECE in the year 2014. The NBA re-accredited the departments of CSE, EEE and IT. The management's guidance is committed to promote student's welfare, provide an encouraging environment to develop intellectual capacity, critical thinking, creativity and problem-solving ability of the students. The management also provides student services that reciprocate to the different academic and non academic needs of the students in a cordial way.

VISION AND MISSION

- To make the institution one of our nation's great engineering schools, recognized nationally and internationally for excellence in teaching, research and public service.
- To make the institution to be the preferred destination for students, practitioners seeking an engineering education, employers hiring engineering graduates and organizations seeking engineering knowledge.
- To provide career-focused education this produces effective, ethical professionals capable of entrepreneurship, innovation and creativity.
- To strive for excellence in student-centered teaching and learning, excellence in research, inception of knowledge and use of knowledge; and excellence in engrossment with the enterprise and society.

- To provide an encouraging environment to develop the intellectual capacity, critical thinking, creativity and problem-solving ability of the students.

STRATEGIC PLAN: 2018-21

To achieve the strategic goals during the period 2018 to 2021, the strategic planning cell has identified thrust areas where it will strive to make significant strategic achievements. These areas summarize the priority recognized by the governing council for strategic development that are particular to Sri Shakthi Institute of Engineering and Technology. Hence, during the period 2018 to 2021, the strategic planning cell will strive to make important achievements in the areas of:

1) Curricular aspects:

- a. New regulations and Curriculum matching the industrial needs will be developed for all the courses offered at the institution after becoming autonomous, in order to prepare professionally trained and educated engineering graduates who can face the challenges and make a difference in the society.
- b. The institution will also implement a fully flexible credit system in the following years, after becoming autonomous.
- c. The institute will also benchmark its curriculum with the top universities in India and also abroad.

2) Teaching learning and Evaluation:

The teaching learning process in the institution is the key that drives the institution. The SSIET has committed to practice quality teaching learning process and will continue to offer the same. The steps will be taken to achieve the following in the coming years

- a. The institution will collaborate with foreign universities for the pathway programs that will lead to exchange of students with those universities.
- b. The SIET will identify and implement the frameworks like CDIO that are recognized globally.

The achievement of the institution's vision and mission will depend largely on the committed and talented faculties who work at SSIET. It is essential that all teaching and non-teaching staff members who are engaged by the institution vision see their role in achieving that vision and are empowered to deal with both the opportunities and challenges they will encounter along the way.

- c. Through effective engagement and communication, each department staff member will understand their individual and collective contributions to the institution mission, work towards achieving the goals and make sure their contribution is recognized and appreciated
- d. To improve staff knowledge and skills, the institution will continue to organize faculty development programs and provide training and development opportunities for all the department staffs
- e. The institution will also engage faculty by exchanging the faculty members with other universities.
- f. The institution will support all teaching and non-teaching staff members by provisioning Part-time registration for higher studies in the institution itself and On-Duty.
- g. The institution will continue to enhance its faculty member's engagement processes

3) Enhancing and Extending Research, Innovation and Entrepreneurship Activities:

Research and innovation is an important core activity that contributes to the overall mission of the institution. The research activity will inform and bolster all other activities including teaching and learning, as well as innovation,

entrepreneurship and other industry support activities. The institution's research strategy will focus on developing expertise and research excellence in all thrust areas applicable to each department.

- a) The eligible departments of the institution will get research center status from Anna University – Chennai.
- b) The institution will take steps to do collaborative research with other universities abroad.
- c) The institution will carry out leading edge research activities that address problems and challenges nationally and internationally.
- d) The institution will continue to enhance and encourage transfer of technology activity through extension, licensing and patent filing
- e) Entrepreneurship training will be conducted to motivate students to become an entrepreneur
- f) The institution will establish a Technology Business Incubator in the campus and get approved by NSTEDB (National Science and Technology Entrepreneurship Development Board).
- g) The institution will work towards increasing its faculty members with doctoral degrees, and research and innovation output during the lifetime of the strategic plan

4) *Infrastructure and Learning Resources:*

The institution will continue to develop and enhance the infrastructure and built environment of the college campus and facilities.

- a. The strategic planning regarding infrastructure facility will be developed and implemented to ensure a consistent high standard of physical environment on campus
- b. SSIET will enhance public access to its campus and facilities during specific occasions such as sports day, annual day, seminars, workshops and conferences.

- c. The institution will upgrade sporting infrastructure to support 25 different sports including Kabadi, Frisbee for the benefit of the students.
- d. The development of enhanced teaching and learning resources and facilities will be pursued as a matter of priority
- e. The institution will provide facilities to support access to online learning resources, magazines, journal transactions.

5) *Establishing and Reforming the Student Experience on Campus:*

The student experience is an essential element of a student-centered institution. During the period of this strategic plan, the institution will strive for continued development of student services and continuous improvement of the overall student experience in the institution.

- a. Through the implementation of best practice in teaching & learning, the institution will develop an enhanced student experience
- b. SSIET will provide a supportive environment for the students through the provision of effective, student-centered supports and services such as library equipped with internet facilities
- c. SSIET will improve student retention, achievement and 100% pass rates
- d. Students will be encouraged to participate in sports and cultural competitions conducted at national and International level
- e. A multi Cuisine Food court will be developed to improve the student experience.
- f. An in house Laundry facility will also be established for the benefit of hostellers.
- g. The Inter Collegiate Cultural Fest will be organized for two days to help students to improve their leadership qualities.

6) *Contributing High Quality and Suitable Degree Programmes:*

The institution's degree programs offered are the basis of strategic goals and future success. The planning cell will continue to strive hard for the highest national standards in terms of the delivery and quality of these programs offered. Furthermore, it is essential that the programs offered are relevant to the student's needs and meet AICTE norms and regulations.

- a. SSIET will enhance the quality and standards of its courses by meeting the AICTE and Anna University's norms, UGC norms and regulations in relation to recruitment and admission processes, quality of delivery and student achievement
- b. Through developing and implementing best practice in curricular aspects, SSIET will continue to enhance the quality of its program of study
- c. The degree programs offered will be ensured through professional accreditation such as NBA, NAAC and feedback from management and regional stakeholders
- d. NBA accreditation will be processed for the eligible departments in the institution
- e. SSIET will apply for the autonomous status and start working towards achieving it
- f. Impart learning based on holistic approach and practical experience to solve real world problems in the society.
- g. Provide quality education and training in all major courses offered by the college.

7) *Institutional Values and Best Practices:*

The institution very well understands the roles and responsibilities in the development of its region, state and the nation. The college is committed to

serving industries, public and other local organizations in every possible way and very much open to all initiatives and partnerships that will benefit the society.

- a. The institution will be developed in such a way that it can support students, faculties and industries for the purpose of knowledge exchange, learning, research and other activities
- b. SSIET will continue to work hard to provide educational, economic, cultural, sporting and social resources locally and nationally.
- c. Opportunities for work-based and employee focused education services will be developed and enhanced
- d. The institution will continue to implement the green practices and will focus on Organic Farming in the period of this strategic plan.
- e. The Alumni will be involved in the mentoring programs to help mentor the students.

8) Imparting Social Values:

The SSIET has a motto “Powering the Youth; Empowering the Nation”. The institution has committed itself to inculcate the social and ethical responsibilities in the student community. The youths of the nation have the power to change fate. SSIET will step forward and will take steps to do the following

- a. Motivate the student community to help the needy and poor.
- b. The clubs and cells will organize various programs that will make the students move closely with the society and understand the difficulties of other people.
- c. A student Relief and Rescue team will be formed to act diligently whenever any calamities occur.
- d. A new Inspiration space will be established where everyone can learn and understand about the great leaders of the country. Also the space

will be an eye opener for the student community to learn the real history of south India.

9) *Advancing and Expanding the Mission and Vision of SSIET:*

The planning cell will work with management, policy makers and other industry stakeholders to develop the institution's vision and mission in order to deliver an effective national and international standard of education system and the best possible return for the society and the nation.

- a. SSIET will continue to facilitate inclusive access to engineering education for increasing numbers of students to all sections of the society
- b. Through collaboration and cooperation with other educational institutions and industries, SSIET will become a reputed institution that comes under Anna University affiliation.
- c. An overall increase of student enrolments will be achieved each year and new courses in the thrust areas such as Bio- Medical Engineering, Bio- Technology, Food Technology, and Automobile Engineering will be introduced.
- d. Develop center of excellence for each department in collaboration with industries for mutual benefits of both the industry and the institution
- e. Signing of MOU's with various industries, universities nationally and internationally to establish collaborations related to academic and research activities.
- f. Kitchen and food courts will be certified by HACCP.
- g. A student leadership council will be established, which will function democratically.