

**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**

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**STRATEGIC PLAN**

**Year : 2015-18**

## **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 multidisciplinary institution with 8 UG and 8 PG courses with a student population of 1500 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 institution functions under the direct control and guidance of the chairman and academic director of the institution. The management's guidance is committed to promote student's welfare, provide 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 nonacademic 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: 2015-18**

To achieve the strategic goals during the period 2015 to 2018, 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 2015 to 2018, the strategic planning cell will strive to make important achievements in the areas of:

### *1) Curricular aspects:*

- a. Curriculum for Value added Courses will be developed for all the courses offered at the institution to prepare professionally trained and educated engineering graduates who can face the challenges and make a difference in the society.

### *2) Teaching learning and Evaluation:*

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 are engaged by the institution vision see their role in achieving that vision and is empowered to deal with both the opportunities and challenges they will encounter along the way.

- a. 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

- b. To improve staff knowledge and skills, the institution will organize faculty development programs and provide training and development opportunities for all the department staffs
- c. 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.
- d. 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 centre status from Anna University – Chennai.
- b) The institution will carry out leading edge research activities that address problems and challenges nationally and internationally.
- c) The institution will continue to enhance and encourage transfer of technology activity through extension, licensing and patent filing
- d) Entrepreneurship training will be conducted to motivate students to become an entrepreneur
- e) 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 also have necessary sporting infrastructure such as Cricket ground, Tennis court, Basketball court, Hockey Ground, Badminton Court, football ground and Swimming Pool 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 competitions conducted at local and national level

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 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.
- h. Develop a diverse academic community that's essential for technological innovation and excellence in learning process

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 encourage and facilitate access to its educational and other services by various individuals and groups from across the society

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

The planning cell will work with management, policy makers and other industry stakeholders to develop 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. Renewable energy resources to be used for electricity supply.