



Adi Shankara

INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to APJ Abdul Kalam
Technological University
(Owned by Adi Sankara Trust)

SWOT Analysis and PERSPECTIVE PLAN [2017-2037]

ADI SHANKARA
INSTITUTE OF
ENGINEERING & TECHNOLOGY



SWOC ANALYSIS AND PERSPECTIVE PLAN

2017-2037

The Adi Shankara Institute of Engineering & Technology was founded in Kalady with the intention of offering value-added technical education that inculcates in the student professional excellence and ethical values. The institution is managed by the Adi Sankara Trust, a registered organisation which has made a name for itself in the field of education. For more than 50 years, the trust has successfully run different types of educational institutions.

The college, which was founded in 2001 and skilfully maintained by the Sringeri Mutt with the benign blessings of His Holiness Sri SriBharathi Thirtha Mahaswamiji, is committed to maintaining a proactive approach to ensure the students' holistic development.

Vision

To emerge as a Centre of Excellence in Engineering, Technology and Management by imparting quality education, focussing on empowerment and innovation.

Mission

1. Impart quality professional education for total upliftment of the society.
2. Create congenial academic ambience that kindles innovative thinking and research.
3. Mould competent professionals who are socially committed and responsible citizens.

Quality Policy

1. We are committed to the total upliftment of the society by imparting quality professional education.
2. We aim at modelling totally competent professionals with ingenuity, adaptability, social commitment and ethical and spiritual values by creating a congenial academic ambience that kindles innovative thinking.
3. We continually upgrade the Quality Management System through empowerment and involvement.



SWOC ANALYSIS

Strengths:

- Visionary leaders with high values and principles.
- Brand image and opulent legacy of the institute
- Top ranked and ambitious students
- Timely scheduled examinations and result publication
- Choice based credit and semester system
- Excellent placement records
- Encouragement and support from management and PTA
- Research and consultancy culture
- Heterogeneous student community
- Career guidance and placement cell
- Well-functioning library and well-equipped laboratories
- Scholarship to meritorious students by college management
- Effective faculty advisor and mentoring system
- Flagship national cultural and technological event - BRAHMA
- Vibrant NSS unit with state and national awards
- Very well connected by air, road and rail
- Conducive peaceful environment for learners
- Dedicated Faculty with qualification and experience
- Well established TBI, MSME incubation center and KSIDC funded.
- Service minded technical staff
- Full WI-FI enabled campus
- Separate Hostel facilities for ladies and Gents
- Eco-friendly campus

Weakness:

- Industrial collaboration and revenue generation to be improved.
- Major funding from venture capitalist to be improved.
- Lack of foreign exchange program.
- Pan India Admission to be improved.

Opportunity:

- Technological University
- High reputation and social acceptance
- Government's start-up policy
- Industrial requirements and tie-ups
- Fast changing technology.
- Encouragement and support from Alumni Community
- Collaborative Research with National and International Organization
- Exchange programs



- Funded/sponsored projects at National and International levels
- Revenue generation through consultancy

Challenges:

- Declining number of good research scholars.
- Advanced courses offered by other institutes.
- Brain drains of professional talents.
- Retention of competent faculty members.
- Attitudinal and behavioral problems of students
- Core Company's placement to be improved
- Shortage of good scholars opting teaching profession.
- Filing patents and high-quality research publication
- Parents participation in academic planning.
- Developing a sustainable research culture



PERSPECTIVE PLAN (2017-2037)

The goals of the institution are summarized as:



- Obtain accreditation from statutory bodies and achieve autonomous status
 - Get Deemed university status and international recognition
 - Focus on renewable energy and build an eco-friendly and sustainable campus
 - Excel in the academic and research domains of the Institute
- Short term goal

Goal 1-Get NBA accreditation for EEE, ECE, ME and CSE department by 2018

Goal 2

Get accredited by statutory bodies to achieve autonomous status along with development of skill Development center, implementing green policy and getting autonomous status.

	Strategy	Action Plan	Target Year
2.1	Starting New UG programs	Starting new futuristic B.Tech. programs like AI, RA and biomedical engineering	2023



2.2	NSDC affiliation	<ul style="list-style-type: none">• National skill development corporation – training centre in different streams• Practical-based, project-based courses in curriculum• Internships, hand-on workshops & associated training opportunities for such fields• Integrated courses to let students learn topics of their interest, like Machine Learning, AI, Competitive Programming, Embedded Systems and IoT.	2026
2.3	Encouragement of Patented Projects	<ul style="list-style-type: none">• Increase the funding of start-up based on innovative products.• Encourage more projects from college by providing support in terms of technical support and financial aid• Raise awareness on patents, IPR and funds for projects	2026



2.4	Promotion of Entrepreneurship & Start-Up Culture	<ul style="list-style-type: none">• Enlightening students about the start-up culture and entrepreneurship through orientation, idea-pitches & ideation platforms• Encourage start-up initiatives and investments in the form of infrastructure or funds• Conducting talks, workshops with business professionals to share their experiences• Raise awareness regarding the same with the help of college IEDC cell	2026
2.5	Green and Sustainable campus	<ul style="list-style-type: none">• Rainwater harvesting carried out as water tanks and built-infrastructures in campus buildings• Slurry and manure management to utilize biodegradable waste as fertilizers and biogas, becoming a good fuel• Recycled paper used for paper work.	2026
2.6	Self-sufficiency and Sustainability in energy	<ul style="list-style-type: none">• 50% energy requirements of the college to be met by roof top solar power.• Upgrade the existing 30kWp power plant for the same.	2026
2.7	Autonomous College	<ul style="list-style-type: none">• NBA accreditation to all other eligible departments• ASIET attains Autonomy in terms of academics• Increase in the number of courses and skill-based, technical programs.	2027



Goal 3 – Medium term goal

Get Deemed university status & international recognition.

	Strategy	Action Plan	Target Year
3.1	Deemed University	<ul style="list-style-type: none">Getting NBA accreditation to all eligible UG and PG courses.Improving NIRF and KIRF ranking.Getting NAAC accreditation for college.	2032
3.2	Foreign Exchange	<ul style="list-style-type: none">Foreign exchange programs with leading foreign universitiesConducting collaborations with National & International campuses to provide quality education to students	2032
3.3	Student Exchange Program	<ul style="list-style-type: none">Opportunity for our students to study at Prime International institutions for aduration of 6 months to 1 year online/offlineInvitation to Core Companies for Placement Drives, Training-based internships and Industrial Visits.Dual degree implementation.	2032
3.4	Cultural Exchange	<ul style="list-style-type: none">Promote student interaction across institutes barring cultural and regional differences through pan-India events.	2032
3.5	Improvement of Infrastructure to meet international standards	<ul style="list-style-type: none">Infrastructure in terms of classrooms, labs, housing and campus facilities equipped with latest technologyInfrastructure for sports, games and recreational facilities with international standards.	2032



➤ Goal 4 – Long term goal

Be a center of excellence for research

	Strategy	Action Plan	Target Year
4.1	International reputed research Centre of excellence in AI (artificial intelligence)	<ul style="list-style-type: none">• Promoting research-oriented education to Inculcate strong scientific and research aptitude among students.• Enhance the possibility of making ASIET a center of excellence for research in AI• More research-based projects and patents from the campus• Encourage projects and research on topics of Social and technical relevance	2037
4.2	International reputed research Centre of excellence in environment and sustainability engineering.	<ul style="list-style-type: none">• Start UG and PG courses related to environment and sustainability engineering• Make use of central and state government funds for developing and promoting research and related activities.• Encourage projects and research on topics of environment and sustainability engineering.	2037