



# Adi Shankara

## INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

### SWOC ANALYSIS & PERSPECTIVE PLAN [ 2022-2037 ]

ADI SHANKARA  
INSTITUTE OF  
ENGINEERING & TECHNOLOGY



## SWOC ANALYSIS AND PERSPECTIVE PLAN

**2022-2037 (Revised)**

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 Sri. Bharathi Tirtha Mahasannidhanam, 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 a 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 society by imparting quality professional education.
2. We aim at molding 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
- NBA accredited from 2018 onwards
- 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 centre 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 capitalists to be improved.
- Lack of foreign exchange program.
- Pan India Admission to be improved.



### Opportunities:

- Technological University
- National Education Policy (N.E.P 2020)
- 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
- Proximity to CIAL, Cochin industrial area

### Challenges:

- Declining number of good research scholars.
- As an affiliated institution, the ability to offer advanced courses is restricted.
- Brain drains of professional talents.
- Retention of competent faculty members.
- Attitudinal and behavioural problems of students
- Core Company's placement is to be improved
- There is a shortage of good scholars opting for the teaching profession.
- Filing patents and high-quality research publications
- Developing a creative and innovative research culture
- Twinning Programs

### PERSPECTIVE PLAN (2022-2037)

The goals of the institution are summarized as follows:



- Secure accreditation from statutory bodies and attain autonomous status.
- Achieve Deemed University status and gain international recognition.
- Prioritize renewable energy and develop an eco-friendly, sustainable campus.
- Achieve excellence in the Institute's academic and research fields.

#### Short Term Goals

- **Goal 1 - Obtain NBA Accreditation for the Civil Engineering Department by 2024.**
- **Goal 2 - Obtain Accreditation from statutory bodies to achieve autonomous status, Establish a skill development centre, and implement a green policy.**

	Strategy	Action Plan	Target Year
2.1	<b>Initiating IKS (Indian Knowledge System)</b>	<ul style="list-style-type: none"> <li>● To offer courses such as Yoga, Vedic Mathematics, Sanskrit, the teachings of Adi Shankara, and classical art forms</li> </ul>	2024
2.2	<b>NAAC Accreditation</b>	<ul style="list-style-type: none"> <li>● Improve the existing infrastructure and facilities</li> <li>● Improve the ranking of colleges in KIRF and NIRF.</li> </ul>	2025



2.3	<b>NSDC affiliation</b>	<ul style="list-style-type: none"><li>● National skill development corporation – training centre in different streams</li><li>● Practical-based, project-based courses in curriculum</li><li>● Internships, hands-on workshops</li><li>● &amp; associated training opportunities for such fields</li><li>● Integrated courses to let students learn topics of their interest, like Machine Learning, AI, and Competitive</li><li>● Programming, Embedded Systems, and IoT.</li></ul>	2026
2.4	<b>Encouragement of Patented Projects</b>	<ul style="list-style-type: none"><li>● Encourage more projects from college by providing support in terms of technical support and financial aid</li><li>● Raise awareness on patents, IPR, and funds for projects</li></ul>	2026
2.5	<b>Promotion of Entrepreneurship &amp; Start-Up Culture</b>	<ul style="list-style-type: none"><li>● Enlightening students about the start-up culture and entrepreneurship through orientation, idea pitches &amp; ideation platforms</li><li>● Encourage start-up initiatives and investments in the form of infrastructure or funds</li><li>● Conducting talks, and workshops with business professionals to share their experiences</li><li>● Raise awareness regarding the same with the help of college IEDC cell</li></ul>	2026
2.6	<b>Green and Sustainable Campus</b>	<ul style="list-style-type: none"><li>● Recycled paper to be used for paperwork. Improve rainwater harvesting and waste management system</li></ul>	2026
2.7	<b>Self-sufficiency and Sustainability in Energy</b>	<ul style="list-style-type: none"><li>● 50% of energy requirements to be met by solar panels &amp; solar energy cells placed at rooftops</li></ul>	2026
2.8	<b>Autonomous College</b>	<ul style="list-style-type: none"><li>● NBA accreditation to all other eligible UG and PG programs.</li><li>● ASIET attains Autonomy in terms of curriculum.</li><li>● Increase in the number of courses and skill-based, technical programs.</li></ul>	2027





### Medium-Term Goals

➤ **Goal 3 - Implement NEP 2020, Get Deemed University Status & International Recognition.**

	<b>Strategy</b>	<b>Action Plan</b>	<b>Target Year</b>
3.1	<b>Implementing NEP – National Education Policy 2020</b>	<ul style="list-style-type: none"><li>● Implementation of NEP requirements both in academic and extra-curricular activities</li><li>● Implementation of academic bank of credits</li></ul>	2030
3.2	<b>Deemed University</b>	<ul style="list-style-type: none"><li>● Getting NBA accreditation to all eligible UG and PG courses.</li><li>● Improving NIRF and KIRF ranking.</li><li>● Getting NAAC accreditation for college.</li></ul>	2032
3.3	<b>Foreign Exchange</b>	<ul style="list-style-type: none"><li>● Foreign exchange programs with leading foreign universities</li><li>● Conducting collaborations with National &amp; International campuses to provide quality education to students</li></ul>	2032
3.4	<b>Student Exchange Program</b>	<ul style="list-style-type: none"><li>● Opportunity for our students to study at Prime International institutions for a duration of 6 months to 1 year online/offline</li><li>● Invitation to Core Companies for Placement Drives, Training-based internships and Industrial Visits.</li><li>● Dual degree implementation.</li></ul>	2032
3.5	<b>Cultural Exchange</b>	<ul style="list-style-type: none"><li>● Promote student interaction across institutes barring cultural and regional differences through pan-India events</li></ul>	2032
3.6	<b>Improvement of Infrastructure to meet International Standards</b>	<ul style="list-style-type: none"><li>● Infrastructure in terms of classrooms, labs, housing and campus facilities equipped with latest technology</li><li>● Infrastructure for sports, games and recreational facilities with international standards.</li></ul>	2032



### Long Term Goals

#### ➤ Goal 4 - Be a Centre of Excellence for Research

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