

ANNAMACHARYA

**INSTITUTE OF TECHNOLOGY AND
SCIENCES, TIRUPATI**



Tirupati - 517520

S. No.	CONTENTS	Page No.
1.	Introduction	1
2.	Vision and Mission of the Institution	1
3.	SWOC analysis	1
3.1	Strengths	1
3.2	Weaknesses	2
3.3	Opportunities	2
3.4	Challenges	2
4.	Institute Strategic Plan	3
4.1	Academic Reputation/Uplift the status of the institution	3
4.2	Organizational Efficiency	3
4.3	Good Governance and Leadership Development	3
4.4	Financial Management	4
4.5	Physical and Academic Infrastructure	4
4.6	Teaching –Learning Resources	4
4.7	Placement, Industry collaboration	5
4.8	Research and Development, Consultancy	5
4.9	Extracurricular, Co-curricular activities	5
4.10	Outreach / Extension Activities	5

1. Introduction:

Annamacharya Institute of Technology & Sciences, Tirupati (AITS-T) was established in the year 2007, with a belief that education can influence and mould young minds. Within a decade, AITS, Tirupati received the prestigious stature of an institution with quality education. It is promoted by Annamacharya Educational Trust, a group of professionals for whom education is a passion. Being a part of Annamacharya Group of Institutions, the institute is committed to impart engineering skills to the students and provide a window for them to explore the opportunities to achieve their goals. Annamacharya Institute of Technology and Sciences, Tirupati endeavours to be the leading centre providing world-class education while incorporating innovative teaching methods for engineering and research. The institute mentors the students through exemplary counselling system, campus placement cell, and NSS to develop professionalism, ethical and human values along with social service. Energy conservation through nonconventional energy resources like solar energy and maintaining greenery in the campus and regular audit is the primary concern of the sustainability concern of the institute. The institute is diligent to pursue its vision and mission of educating and empowering the learners to realize their maximum capacity through their knowledge, skills and values for serving the current societal needs.

2. Vision and Mission of the Institution:

Vision:

The Institute envisions a premiere, innovative experience that offers students essential skills, knowledge, and ethical frameworks to address need based real world problems. The institute strives to produce graduates who value life-long learning and achieve their personal and professional goals by affecting positive social change.

Mission:

The institute provides a diverse community of adult learners with engineering education that lays the foundation for life long learning. The institute provides students with the opportunity to transform themselves in to career professionals empowered to effect positive social change in their families, work places and communities.

3. SWOC Analysis

3.1 Strengths

- Reputed & well-known management.
- College runs smoothly independent of interference from any quarter.
- Financial stability

- Admission strictly based on merit.
- Positive social perception with diversity of students
- Excellence in academic performance and academic achievements of students in the University examinations
- Significant progression to higher academic studies
- Mentoring and counselling for students
- Faculty encouraged to pursue Ph.D., research, etc. and programs for career advancement.
- Institution operates as the Swayam-NPTEL Local Chapter to offer distance courses that enhance employability.

3.2 Weaknesses

- Space limitation for further expansion of facilities
- Limited scope for updating the course curriculum
- Consultancy activities are limited.
- Research publications are few in number.
- Limited facility with PhD
- Collaborations few in number.
- Student internship limited

3.3 Opportunities

- Scope for inter-disciplinary teaching and research.
- With significant increase in awareness, career counseling programs and job fairs the institution aims to create a greater number of placements for the students
- To strengthen the College Alumni Association for their involvement in developmental, academic, research and mentorship activities of the students.
- Opportunity for development of E-content by faculty
- Enrolment of Students in Internship programs in different corporate houses & industries
- More involvement in community services to fulfil institutional social responsibility

3.4 Challenges:

- Taking care of the space problem.
- Upgrading & updating course curriculum programs in tune with global trends
Taking added assignments on the prescribed curriculum
- Greater Industry and Academia connect necessary to ensure curriculum and skills in line with requirements
- To achieve NAAC A grade for obtaining AUTONOMOUS status
- To search for innovative career opportunities for students • To ensure increased student enrolment

- To ensure effective curriculum delivery in English for students coming from different vernacular backgrounds

4. Institute Strategic Plan:

In this technology driven society, the strategic goals of the institute have been drafted for the period of 2015-2020 for transforming AITS-Tirupati to a quality higher educational institution at the global level.

4.1 Academic Reputation/Uplift the status of the institution

- Develop and implement an institutional brand strategy through state-level cultural, technical and management fests and state level competitions
- Promote AITS, Tirupati successes, such that the institute becomes widely known as a leader in education and research that is inspired by humanity and powered by technology.
- Resource planning for accreditation processes: To attain Autonomous status, NBA accreditation for the eligible UG programs and NAAC accreditation for the institution.
- Explore the possibility of an increase in intake and introduction of new UG /PG programs to maintain sustainability
- Addition of new UG /PG programs in emerging technologies depending on availability of resources and industry demand.
- To establish an Incubation Centre to facilitate entrepreneurship and create Centres of Excellence through reputed global industry / University collaborations

4.2 Organizational Efficiency

- Moderately and strategically increase undergraduate enrollment, maintaining and improving the academic profile of our student body, shaped by the optimized size so that overall enrollment aligns with the campus's capacity
- Assessment and improvement of all college operations, programs, and activities
- Make data informed decisions to maximize institutional efficiency, integration, and effectiveness;

4.3 Good Governance and Leadership Development:

- Revision of Vision, Mission, core values of the institution and their articulation
- Development and Implementation of Institutional strategic plans
- Ensuring Transparency through setting up e-governance in Leadership & appointment of Key positions and Rotation of key positions to develop leadership.
- Decentralization of academic, administrative and student-related processes

- Constitution of Program assessment committees and Department advisory boards with internal and external expert members for quality assurance in academic and administrative processes.
- Introduction of Quality enhancement measures through IQAC in academic processes, educating and training all the staff and rigorous quality audit to check compliance, remedial measures, recognitions towards continual improvement
- Effective grievance redressal mechanism

4.4 Financial Management

- Department wise Budget planning for every academic year
- Forecast of estimation of revenue and expenditure
- Monitoring expenses as per budget planning
- Expansion plans to increase the sources of income.

4.5 Physical and Academic Infrastructure

- Setting up state of the art academic infrastructure, library, additional hostels and related facilities, multicuisine food court, e-learning facilities, sports facilities
- Enhancing the green measures like rainwater harvesting, plantation, installation of solar water heaters in the hostels
- Strengthening campus network facilities
- Aesthetic classrooms, smart classroom, Multimedia and support equipment in classrooms, State of art laboratory and equipment
- Increase access of e resources and digitization of library resources
- Augment library resources to meet the growing needs in academia and research.

4.6 Teaching –Learning Resources

- Recruitment of faculty with Ph.D. qualifications from premier institutes with outstanding research/ competency/ industry expertise.
- Facilities for faculty towards career advancement by encouraging them to participate in FDPs, seminars, workshops and conferences.
- Organizing seminars, expert talks through professional bodies and international conferences.
- Ensuring students, regardless of learning modality, have access to and experience the same high-quality education by equipping instructors and our physical and virtual classrooms.
- Implementation of outcome-based education
- Ensuring quality in curriculum delivery and academic support for student success. Increase access to quality learning by facilitation of the use of innovative and effective teaching methods – provision of ICT tool facilities to teachers.
- Scheduling classes to meet student needs; easy access to study material through College Website.
- Frequent Industrial visits/training for the students

- Providing opportunity through our college Local chapter and Spoken tutorial projects for Online certifications
- One to One counseling sessions for all the students through mentors.

4.7 Placement, Industry collaboration

- Setting up state of the art Placement and Training facilities for placement activities
- Enhancing training and placement facilities through identification of more companies for the recruitment process
- Setting up industry-institute interaction cell, career guidance cell and conducting related activities
- Encouraging incubation of innovative projects ideas
- Collaborations with reputed industries for student internships hands-on training on the latest technologies to students and faculty, for innovative projects and expert lectures.
- Strengthening placements through identification of branch wise preferred industries
- Establishing Centres of Excellence via Industry-Innovation Partnership
- Bridging technological gaps between industry and academics

4.8 Research and Development, Consultancy

- Enhancing the research facilities in terms of infrastructure and equipment in all the departments through in house funds and sponsored research projects
- Increasing the number of quality research publications
- Encouraging the faculty to apply for patents

4.9 Extracurricular, Co-curricular activities

- Setting up the cultural club with various forums to nurture the student talents
- Enhancing sports facilities
- Setting up separate state of the art gym facilities for boys and girls
- Conducting state-level sports tournaments, cultural, technical and management fests

4.10 Outreach / Extension Activities

- Enhancing the outreach programs
- Studying the rural projects and its challenges in execution and provide support to the execution of projects using in-house resources and skills