



**INSTITUTIONAL ASSESSMENT AND ACCREDITATION  
(Effective from July 2017)**

**Accreditation - (Cycle - 2)**

**PEER TEAM REPORT ON  
INSTITUTIONAL ACCREDITATION OF  
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES**

**Hyderabad  
Telangana  
501512**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
An Autonomous Institution of the University Grants Commission  
P.O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072, INDIA**

**Section I:GENERAL INFORMATION**

1.Name & Address of the institution:	ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES Hyderabad Telangana 501512	
2.Year of Establishment	2005	
3.Current Academic Activities at the Institution(Numbers):		
Faculties/Schools:	1	
Departments/Centres:	5	
Programmes/Course offered:	11	
Permanent Faculty Members:	110	
Permanent Support Staff:	40	
Students:	888	
4.Three major features in the institutional Context (Asperceived by the Peer Team):	1. • Campus in rural area with sound Infrastructure 2. • Promoting society having educational background 3. • Dedicated and committed management and Principal	
5.Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	From : 30-03-2022 To : 31-03-2022	
6.Composition of Peer Team which undertook the on site visit:		
	<b>Name</b>	<b>Designation &amp; Organisation Name</b>
Chairperson	DR. VARINDER SAHNI	FormerVice Chancellor,SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY LONGOWAL DEEMED UNIVERESITY
Member Co-ordinator:	DR. BENNY MATHEWS ABRAHAM	Professor,Albertian Institute of Science and Technology
Member:	DR. RABINDRA KUMAR SAHU	Professor,Veer Surendra Sai University of Technology (VSSUT), Burla
NAAC Co - ordinator:	Dr. Vishnu Mahesh K R	

## Section II: CRITERION WISE ANALYSIS

Observations (Strengths and/or Weaknesses) on each qualitative metrics of the key Indicator under the respective criterion (This will be a qualitative analysis of descriptive nature aimed at critical analysis presenting strength and weakness of HEI under each criteria)

Criterion1 - Curricular Aspects (Key Indicator and Qualitative Metrics(QIM) in Criterion1)	
1.1	Curricular Planning and Implementation
1.1.1 QIM	<b>The Institution ensures effective curriculum delivery through a well planned and documented process</b>
1.1.2 QIM	<b>The institution adheres to the academic calendar including for the conduct of CIE</b>
1.2	Academic Flexibility
1.3	Curriculum Enrichment
1.3.1 QIM	<b>Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum</b>
1.4	Feedback System

### Qualitative analysis of Criterion 1

Annamacharya Institute of Technology and Sciences (AITS) has a sprawling campus of 10 acres situated in green scenic landscape at Piglipur, Telangana. AIT is affiliated to JNTU Hyderabad, Telangana. The Institute offers a variety of under-graduate and post-graduate programmes. The Institution takes effort in effective curricular planning and implementation as prescribed by the JNTUH. The institute also makes effort to realize its vision and mission of developing component human resource through quality education by creating innovative educational environment and promoting creativity to developed skilled human resource. Institute adheres to the Academic Calendar prepared in the beginning of each semester as per the academic schedules provided by the JNTUH. Academic monitoring is carried out by Internal Quality Assurance Cell (IQAC) and it is a continuous process for maintaining quality of teaching and learning. Institute organizes some certificate courses for students. Faculty members are involved in various committees and cells in the institute. The institute takes efforts to cater to the students of varied backgrounds and abilities through ICT enabled teaching-learning environment. AITS follow Choice Based Credit System. Compliance of JNTUH curriculum is done to contribute different domains in curriculum and curricular gaps are identified through inputs from stakeholders. In addition to the prescribed curriculum, institute puts efforts on curriculum enrichment by adding content beyond the syllabus for the overall development as well as enhancing employability. Feedback on Curriculum is collected from various stakeholders. Feedback collected is analysed and action is taken for improvement of the teaching learning process. The institute has Grievance Redressal cell, Women Protection Cell and NSS unit which organizes various activities to bring-in seriousness in the student community. It is observed that AITS is taking efforts to enhance placement activities.

Criterion2 - Teaching-learning and Evaluation (Key Indicator and Qualitative Metrics(QIM) in Criterion2)	
2.1	Student Enrollment and Profile
2.2	Catering to Student Diversity
2.2.1 QIM	<b>The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners</b>
2.3	Teaching- Learning Process
2.3.1 QIM	<b>Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences</b>
2.3.2 QIM	<b>Teachers use ICT enabled tools for effective teaching-learning process.</b>
2.4	Teacher Profile and Quality
2.5	Evaluation Process and Reforms
2.5.1 QIM	<b>Mechanism of internal assessment is transparent and robust in terms of frequency and mode</b>
2.5.2 QIM	<b>Mechanism to deal with internal/external examination related grievances is transparent, time- bound and efficient</b>
2.6	Student Performance and Learning Outcomes
2.6.1 QIM	<b>Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.</b>
2.6.2 QIM	<b>Attainment of programme outcomes and course outcomes are evaluated by the institution.</b>
2.7	Student Satisfaction Survey

#### Qualitative analysis of Criterion 2

JNTUH and Telangana state govt. regulates the admission of engineering colleges for UG programs through a centralized admission process. Students admitted in the Institution from rural backgrounds, with different levels of knowledge and skills with different learning abilities. Institution follows the reservation policy of the State Government. Apart from Government scholarships, AITS offers scholarships for academically bright students with weak financial background. A set of PEO's, PO's and CO's are defined. Subjects are assigned to faculty based on their competency, subject expertise and experience. Faculty members prepare a course file along with the lesson plan as per guidelines given by IQAC. Experiential and Participative learning exist and needs to be strengthened further in the teaching learning process. The institution promotes ICT friendly teaching through the Google Class room and Power point presentations. Institute has implemented mentoring system for taking care of the students' academic and stress related issues. Advanced learners and slow learners are identified based on percentage of marks in internal evaluation and measures are taken. Remedial classes, bridge courses, and counselling are organized for slow learners. Advanced learners are groomed by providing training on competitive examination. These efforts are visible but need to strengthen. Internal examinations are conducted regularly following JNTUH guidelines. Mechanisms for transparency in internal assessment are visible. Students are provided answer sheets with key. Students are also provided an opportunity to represent to the HOD/ Principal for grievance redressal, if any. AITS has centralized examinations and evaluation system. End semester examination is conducted as per JNTUH pattern. Attainment & Evaluation process is visible, however, needs to be strengthened. Faculty needs to be trained in the OBE process.

Criterion3 - Research, Innovations and Extension (Key Indicator and Qualitative Metrics(QIM) in Criterion3)	
3.1	Resource Mobilization for Research
3.2	Innovation Ecosystem
3.2.1 QIM	<b>Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge</b>
3.3	Research Publications and Awards
3.4	Extension Activities
3.4.1 QIM	<b>Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.</b>
3.5	Collaboration

#### Qualitative analysis of Criterion 3

The Institute promotes the research and development activities in the campus by providing facilities in terms of internet connectivity, laboratory, subscription to research journals through DELNET and providing research incentives for faculties for their research related activities, such as publishing research papers, attending workshops/conferences and promotion in the designation once they complete the Ph.D. AITS organize workshops and sensitization programs to create research spirit among faculty and students. However teachers are encouraged to register for Ph.D during past five years. 3 faculty members submitted their thesis. During last five years Institute has organized many seminars department wise. Some faculty members' individual level completed their research successfully waiting for to award Doctorate. Faculty members are encouraged to publish papers in refereed national and international journals and conferences. However, the number of papers published in peer reviewed journals indexed in SCOPUS, WoS should be increased. About 10% faculty members possess Ph.D. and a number of faculty members are pursuing Ph.D. Institute encourages research through technical and IPR related workshops, seminars, training programs. MOU's are adequately signed; however, the number of activities are to be enhanced. Since AITS is only 17 years old it faces hurdles to secure funding for research projects. AITS also conduct / participate in science expos. Few faculty members are recognized supervisors of JNTUH. The institution has a defined code of ethics to check malpractices and plagiarism in research. Institution honours teachers who receive recognition and awards. For developing sensitivities towards community issues, gender disparities, social inequity etc. and to inculcate values and commitment to society, NSS unit of the institute conducts and promotes Extension activities such as Swachh Bharat, Gender sensitization , blood donation camp, college extension activity cell, Students' Union, Alumni Association, food safety, road safety, campus cleaning, tree plantation etc. in the neighbourhood community.

Criterion4 - Infrastructure and Learning Resources (Key Indicator and Qualitative Metrics(QIM) in Criterion4)	
4.1	Physical Facilities
4.1.1 QIM	<b>The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.</b>
4.1.2 QIM	<b>The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.</b>
4.2	Library as a Learning Resource
4.2.1 QIM	<b>Library is automated using Integrated Library Management System (ILMS)</b>
4.3	IT Infrastructure
4.3.1 QIM	<b>Institution frequently updates its IT facilities including Wi-Fi</b>
4.4	Maintenance of Campus Infrastructure
4.4.2 QIM	<b>There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.</b>

#### Qualitative analysis of Criterion 4

AITS is situated in 10 acres land with a built-in area of 22690 Sqm. Institute has sound infrastructural facilities to support teaching-learning and administrative services as per the AICTE and JNTUH norms. The institution has adequate physical facilities like few ICT enabled classrooms, seminar halls, laboratories, workshops, tutorial rooms and a computer centre. Seminar hall of seating capacity 300 students, provide with LCD projector and audio/video system which are used for conducting guest lectures. The Institute has adequate computer systems and peripherals. The campus is Wi-Fi enabled with a bandwidth of 100 Mbps. The college has various licensed open source software. CCTV cameras are installed at various places in the college premises to monitor the campus activity and maintain security. The Institute regularly upgrades its IT infrastructure. Central Library is stocked with latest textbooks and reference material. Online access to journals and e-resources are provided to all. The central library is automated with OPAC software. The library is Wi-Fi enabled and is stacked with rare books and project reports, Reading room can accommodate more than 50 students. Waiting hall for boys and girls are also available in the campus. A doctor facility is available inside the campus. The Institute has good Outdoor Sports facilities with Football and Cricket Grounds, Basket Ball Court, Table-Tennis, Tennis and Badminton Court.

Criterion5 - Student Support and Progression (Key Indicator and Qualitative Metrics(QIM) in Criterion5)	
5.1	Student Support
5.2	Student Progression
5.3	Student Participation and Activities
5.3.2 QIM	<b>Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)</b>
5.4	Alumni Engagement
5.4.1 QIM	<b>There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services</b>

#### Qualitative analysis of Criterion 5

Institution takes efforts to provide necessary assistance to students, for enabling them to acquire meaningful experiences for learning in the campus and to facilitate their holistic development and progression. Students are benefited by both government and management scholarships. Orientation programs and bridge courses are organized to familiarize new students with courses, faculty and curricular/co-curricular activities. Apart from classroom interactions, remedial classes for slow learners, workshops, field trips, seminars and internships are integral components of the academic support system. Technical events through various professional bodies are conducted to enhance the student's knowledge on recent technology trends. The institute has effectively implemented mentoring system. Faculty members are assigned with 15-20 students to monitor student's academic performance, attendance and disciplinary issues. Institute has Grievance Redressal, Anti-ragging, Sexual Harassment committees and women empowerment cell to cater the various needs of the students. The Institute takes efforts for student progression and employability. Students are involved in organizing various co-curricular and extra-curricular activities. With coaching provided, students take active participation in sports and games at various levels. Institute has students' representation in various academic, administrative and extra-curricular committees. Departmental associations are available where students play an important role in decision making and organizing department level activities. The NSS club of the institute motivate students and staff to participate in various extension activities. Institute has an Alumni Association which is registered. Every year the college organizes alumni meet. Alumni help students for placement & career planning.



Criterion6 - Governance, Leadership and Management (Key Indicator and Qualitative Metrics(QIM) in Criterion6)	
6.1	Institutional Vision and Leadership
6.1.1 QIM	<b>The governance of the institution is reflective of and in tune with the vision and mission of the institution</b>
6.1.2 QIM	<b>The effective leadership is visible in various institutional practices such as decentralization and participative management</b>
6.2	Strategy Development and Deployment
6.2.1 QIM	<b>The institutional Strategic / Perspective plan is effectively deployed</b>
6.2.2 QIM	<b>The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.</b>
6.3	Faculty Empowerment Strategies
6.3.1 QIM	<b>The institution has effective welfare measures for teaching and non-teaching staff</b>
6.3.5 QIM	<b>Institutions Performance Appraisal System for teaching and non-teaching staff</b>
6.4	Financial Management and Resource Mobilization
6.4.1 QIM	<b>Institution conducts internal and external financial audits regularly</b>
6.4.3 QIM	<b>Institutional strategies for mobilisation of funds and the optimal utilisation of resources</b>
6.5	Internal Quality Assurance System
6.5.1 QIM	<b>Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes</b>
6.5.2 QIM	<b>The institution reviews its teaching learning process, structures &amp; methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities</b>  <b>( For first cycle - Incremental improvements made for the preceding five years with regard to quality</b>  <b>For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives )</b>

#### Qualitative analysis of Criterion 6

AITs strives to bring continuous improvement with the involvement of the governing body and stakeholders to achieve the vision, mission and goals of the institute. Dedicated and committed management and Principal with good academic background and leadership qualities has developed an organizational culture in the institute. The governance comprising of Governing Body (GB), Academic Advisory Committee (AAC) and Internal Quality Assurance Cell (IQAC) play significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stake holders. The governance give guidelines for framing policies of the Institute in tune with the vision and mission. Vision and Mission of the institute needs to be reviewed and revised. The institute involves stakeholder's representatives in decision making. The institute has developed a strategic plan to achieve the goals. The plan needs to be implemented in an effective manner. Principal & Heads of the department plan and implement quality improvement strategies taking into consideration the feedback of all stakeholders. The institute ensures stakeholder participation in the assigning



responsibilities to faculty members and administrative staff. Departments prepare an action plan on the academic, curricular and co-curricular activities and the implementation and planning of the action plan is monitored. IQAC has been established as per norms and its functioning is visible. It acts as a core monitoring body and reviewing department activities to ensure OBE and gives recommendations for achieving higher levels. Institute has different cells consisting of stakeholder's representatives. The institute has implemented e-governance through an ERP in academics and administration. However it needs to be extensively used in all functions. Institute provides welfare measures to Faculty and staff. All the institutional level and department related expenditure is planned and documented. Internal and external audits of all the finance and accounts are done yearly to ensure that allocated funds are well utilized. AITS is tuition fee dependent.

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Criterion7 - Institutional Values and Best Practices (Key Indicator and Qualitative Metrics(QIM) in Criterion7)	
7.1	Institutional Values and Social Responsibilities
7.1.1 QIM	<b>Measures initiated by the Institution for the promotion of gender equity during the last five years.</b>
7.1.3 QIM	<b>Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)</b> <ul style="list-style-type: none"> <li>• Solid waste management</li> <li>• Liquid waste management</li> <li>• Biomedical waste management</li> <li>• E-waste management</li> <li>• Waste recycling system</li> <li>• Hazardous chemicals and radioactive waste management</li> </ul>
7.1.8 QIM	<b>Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).</b>
7.1.9 QIM	<b>Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).</b>
7.1.11 QIM	<b>Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).</b>
7.2	Best Practices
7.2.1 QIM	<b>Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.</b>
7.3	Institutional Distinctiveness
7.3.1 QIM	<b>Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words</b>

#### Qualitative analysis of Criterion 7

The stated objective of AITS is not only to promote the students to obtain degree but also inculcate responsibility in students to become global citizens with self-confidence, positive attitude and motivation to face any challenge in their lives. Institute engages itself with various promotional activities to help the students to emerge as successful professionals and emerge as world-class technocrats. The Institute provides support to foster innovation, creativity and quality. Women Empowerment cell organizes several activities to create awareness about gender-equality and ensures fair treatment for all and maintains equal opportunities without any discrimination on gender basis. Gender sensitization courses have been introduced for all students under guidance of JNTUH. Safety and security of students and staff are taken care of by the Institute. Constant surveillance and vigilance are effectively implemented by security personnel and through installation of CCTV cameras at vantage points in the campus. The key operations have very less impact on the environment degradation. The college is conscious of generating less waste ensuring that less natural resources are consumed. Student Volunteers Constructed Meditation Cabin in NSS room with used water bottles in this way we are encouraging the reuse of solid waste. Efforts are made to reduce papers in official work through e-governance and usage of plastic is prohibited. Institute celebrates national festivals such as Republic day, Independence day, Gandhi Jayanti, International Yoga Day, Women's Day, Swatch Bharath Abhiyan, etc. promoting the spirit of national harmony. The institute has its core values and code of conducts displayed within the campus. Amongst the several best practices, following two emerge 1) Personality development of students through skill enrichment 2) Social commitment.

**Section III: OVERALL ANALYSIS** based on Institutional strengths, Weaknesses, Opportunities & Challenges (SWOC) (up to 500 words)

**Strength:**

- Dedicated, committed management and Principal with good academic background
- Well maintained building infrastructure and laboratory facilities.
- Constant encouragement given to the faculty members in pursuing research leading to Ph.D.
- Campus is located near to the industrial city of Hyderabad.
- Fee waiver for needy people.
- A Ragging free, Go Green and Plastic-free-campus

**Weaknesses:**

- Being an affiliated institution has limited academic autonomy in designing curriculum and syllabus.
- There is scope for increasing the number of research publications and patents. *Industry Supported Laboratories need to be further increased.*
- Being a Self-Financing Institution, no funds from Government are visible. Tuition dependence is evident.
- Lack of senior faculty and cadre ratio
- Limited student diversity

**Opportunities:**

- An improved research environment can be foreseen as good number of faculty members are pursuing Ph.D.
- There is scope for inter-disciplinary research challenges and new trends in multidisciplinary professional education.
- The introduction of curriculum beyond syllabus will help the students to improve their employability skills.
- Students participation in club activities and intercollegiate competitions
- Possibility of collaboration with National & Foreign universities. Programs with international universities which will provide a platform for international exposure to students and faculty. Setting up industry sponsored/supported laboratories to cope industry ready engineers.
- Applying for research grants from government and non-government funding agencies.

**Challenges:**

- Rigidity of academic structure & curriculum since AITS is an affiliated institute.
- Physical expansion of campus
- Competition from autonomous Institutions functioning in the nearby areas.
- Coping up with rapidly changing technologies.
- Securing funds from leading funding agencies.

#### **Section IV: Recommendations for Quality Enhancement of the Institution**

(Please limit to **ten major ones** and use telegraphic language) (It is not necessary to indicate all the ten bullets)

- Initiating activities to mobilize funds to reduce tuition dependency
- Communication skill and computer literacy among the students , increased used of ICT in teaching learning and evaluation process be strengthen
- Enhance research publications in reputed journals
- Recruit Ph.D. faculty and faculty at senior level
- Strengthen IQAC activities
- Organize training programs for NBA Accreditation process
- Undertake continuous improvements as a part of the OBE process
- Hostel facilities for boys and girls may be provided in the campus in order to attract the students
- NCC unit for boys and girls to be started
- Industry, need based and job oriented UG and PG programmes be started after a need base survey.

**I have gone through the observations of the Peer Team as mentioned in this report**

**Signature of the Head of the Institution**

**Seal of the Institution**

Sl.No	Name		Signature with date
1	DR. VARINDER SAHNI	Chairperson	
2	DR. BENNY MATHEWS ABRAHAM	Member Co-ordinator	
3	DR. RABINDRA KUMAR SAHU	Member	
4	Dr. Vishnu Mahesh K R	NAAC Co - ordinator	

Place

Date

NAAC