



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

Accreditation - (Cycle - 1)

PEER TEAM REPORT ON **INSTITUTIONAL ACCREDITATION OF** **JANSONS INSTITUTE OF TECHNOLOGY**

Coimbatore
Tamil Nadu
641659

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:	JANSONS INSTITUTE OF TECHNOLOGY Coimbatore Tamil Nadu 641659	
2.Year of Establishment	2009	
3.Current Academic Activities at the Institution(Numbers):		
Faculties/Schools:	1	
Departments/Centres:	6	
Programmes/Course offered:	6	
Permanent Faculty Members:	87	
Permanent Support Staff:	34	
Students:	943	
4.Three major features in the institutional Context (Asperceived by the Peer Team):	1. Good Physical and Academic facilities 2. Rural Institution catering the needs of Students from diversified Socioeconomically background 3. Dynamic and Visionary Management since management from industry background	
5.Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	From : 10-01-2022 To : 11-01-2022	
6.Composition of Peer Team which undertook the on site visit:		
	Name	Designation & Organisation Name
Chairperson	DR. SURESH VARMA PENUMATHSA	Vice Chancellor,Adikavi Nannaya University
Member Co-ordinator:	DR. RAGHU RAM ALLA	Professor,J N T University Hyderabad College Of Engineering
Member:	DR. SURESH SM	Registrar,IIT Guwahati
NAAC Co - ordinator:	Dr. Neelesh Pandey	

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	The Institution ensures effective curriculum delivery through a well planned and documented process
1.1.2 QIM	The institution adheres to the academic calendar including for the conduct of CIE
1.2	Academic Flexibility
1.3	Curriculum Enrichment
1.3.1 QIM	Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum
1.4	Feedback System

Qualitative analysis of Criterion 1

Jansons Institute of Technology is affiliated to Anna University, Chennai. The Institute adopts the curriculum provided by Anna University, Chennai. The Institute offers 6 UG Programs, it also offers skill based and value added courses. The Institute adhere to academic calendar provided by Anna University.

CBCS and OBE prescribed by affiliating university is followed to offer academic flexibility to students of different programmes. The faculty prepares Time Frame Time Table (TFTT) in the beginning of every semester in tune with the Academic Calendar of AU and in house academic council. Student centric teaching methodologies such as Participative Learning, Project Based Learning, etc. are adopted for implementation of curriculum delivery. The Institute also conducts seminars and workshops to help curriculum delivery in a more holistic and effective manner.

The institute conducts awareness programmes about human values, environmental consciousness, gender equality and social justice through curricular, co-curricular, extra-curricular and extension activities. The institute also organise workshops, class room seminars, etc. The institute has an online feedback mechanism in place.

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

Qualitative analysis of Criterion 2

After admission, Bridge courses and Induction Programme are organized for first year students as well as lateral entry students. Students are categorised as slow learners in first semester based on Mathematics mark in Plus Two and special coaching is organised for them before Continuous Internal Assessments. Based on university Examination performance, slow learners and advanced learners are categorised in higher semesters. Slow learners are given special coaching before every Internal Assessment. Students Mentors keep a close watch on student academic performance. Advanced learners are counselled to improve in their academic ranking to get university ranks and are encouraged to take part in National level / International level technical competitions to improve their interpersonal skills, develop and update knowledge on recent technologies. They also take advanced courses in NPTEL/SWAYAM.

The curriculum prescribed by Anna University has laboratory based experiments, Assignments, seminar/ case study and mini-project/ project work involves experiential learning, participative learning and problem solving methodologies too. Also students are participating in paper presentation, seminars, professional society (IEEE, IPE, SAE, ICI etc.) activities, project presentation, coding contest etc. as group and individuals. The tutorial classes are planned in such that the students are involved as individuals or in groups to solve problems, case studies etc. Also, students participate in national level competitions The students undergo internships and industrial visits and practically experience the concepts they have learned in classrooms.

Jansons Institute of Technology employs ICT and ITM tools in all classrooms. All classrooms are equipped with computers enabled with LAN/WiFi facility, LCD projectors, pointers/remote control and fixed/portable speakers. The entire campus is Wi-Fi enabled and students acquire mobility outgrowing the physical constraints of classrooms. Students can access the learning materials and intended outcomes through LMS and

can learn at their own pace even before attending class.

As per the guidelines of Anna University Regulations, the CIA tests are conducted as per the academic calendar prepared. A review committee headed by a project coordinator evaluates the project. The project report is submitted as per the approved guidelines as given by The Director, Academic Courses, Anna University.

Program and course outcomes for all courses of all programs are provided by the University. These POs and CO's , PSO's along with vision and mission are displayed in : Institutional Website (www.jit.ac.in)

Respective Departments Department Laboratories Main Corridors and are disseminated to teachers and students

NAAC

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	Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge
3.3	Research Publications and Awards
3.4	Extension Activities
3.4.1 QIM	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.
3.5	Collaboration

Qualitative analysis of Criterion 3

The institution has established systems for development and innovation activities. Institution encourages faculty and students to perform research that provides technical solutions to the problems by means of which the ecosystem is enriched. Each Department/cell organizes seminars, workshops and competitions to disseminate effectively the role of each body. The Institution Innovation cell explores the innovative ideas of the students by arranging project contests. Few faculty members having patents and publications. The Entrepreneurship development cell aids to develop the entrepreneurial and technical skills through its activities. In addition many technical clubs are initiated in the institution to enrich the technical competence in the students. The clubs in the institution include Arduino club, Amateur Radio club, Energia club, Programming club, Android club, Linux club etc. The learning's from the club activities provide the transfer of knowledge from concepts to solutions.

Jansons Institute of Technology has an active NSS and YRC cell that moulds the personality of the students through community service. Students and faculty members of the NSS, YRC, JIT Sustainability Cell (JITSuCe) actively involved in outreach activities with the neighborhood community. Swachh Bharat To make the students and the community focused on sanitation and cleanliness in the neighborhood community. Bandham Event the institution with the motto of holistic learning strives to imbibe life skills through orphanage visit.

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

Qualitative analysis of Criterion 4

Jansons Institute of Technology is broadly built around in the 13.61 acres of land with well equipped laboratory, fully air conditioned Lecture halls, Library and Auditorium with all the demanding and significant technologies. The lecture halls in the institution are well equipped with the projectors for audio visual based learning and also the sophisticated Wireless fidelity connectivity for a better learning experience. The Sivaganga Auditorium is a fitting place to conduct events of importance. All the computer labs are provided with the LAN as well as the Wireless fidelity for the people to connect to the network for their project related activities.

The Institution offers bountiful amenities for the students to rivet with the various sports activities like Basketball, Volleyball, Football and indoor games like Carrom, Table Tennis and Chess. The College football team participated in Anna University Zone IX Football Tournament and won Second Position.

The library is automated through Autolib Library Automation and Management software version 5.1, which acts as an interface for the students to impart knowledge in the emerging area. It keeps track of all information of the library such as Cataloguing, Circulation of books, Report Generation, Acquisition, Serial Control Details etc. It provides a user friendly way in searching the books by simple search, advanced search and restricted search for easy access of the needed materials. OPAC(online public access catalogue) lets the students to check the availability of books anywhere at any time and get benefits out of it.

The institute is equipped with adequate computers along with LAN connection which provides the internet connection. Each class room, auditorium and seminar hall have attached LCD projectors. The institute has the fiber optic cable network which enables the reliable network connection 24x7 .All the systems are connected to uninterrupted power supply for nonstop usage

The Institution cultivates established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, and classrooms etc.

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	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)
5.4	Alumni Engagement
5.4.1 QIM	There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Qualitative analysis of Criterion 5

Institution provides ample opportunities for developing technical skills, updating knowledge, personality development and service to the society through various associations, club activities and societies. JIT Student representatives are involved in Department Academic Council, IQAC, Department Association, Club activities, Class Committee meeting, Societies, Hostel, Anti-ragging, Grievance cum redressal, NSS and YRC.. The college has chapters of Professional Societies, namely, Indian Society for Technical Education (ISTE), Institute of Electrical and Electronics Engineers (IEEE). The students involved in various social responsible activities like : School campus Cleaning Drugs and its ill effects Electricity Management Games for School Children Role of youths in Environmental Conservation Agricultural land visiting Awareness Street Drama Dengue and Zika Virus Awareness Programme Orphanage visits will be organized in the name of BANDHAM where the students conduct various events to motivate them followed by cultural program.

The alumni association was formed in the year 2014 in the Institution. The alumni meet is conducted once in a year, wherein the pass-out students of under graduate and post graduate programs share their views with their juniors and give their suggestions towards the betterment.

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

Qualitative analysis of Criterion 6

The Governing Council of the Institute provides opportunities for open and heartfelt communication which makes the environment in the Institute free, fair and transparent to all stakeholders of the institute. They have dedicated themselves to the overall development of the college. Each individual department having the Department Academic Council comprises Academic and Industrial expert, Parent and Alumni representative, Students and so on. The plans and policies of the institution are framed as per the collective inputs given by GC and DAC members and are implemented effectively for the academic year.

The Strategic Plan of the Organization is defined for a period of 3 -5 years by the Governing Council by thoroughly analyzing the previous plans and listing out their successes as well as analyzing the challenges still faced by the institute.

The service rules, the recruitment procedure and the promotion policies are framed in accordance with the norms of AICTE, and Anna University. Service rules are approved by the Governing Council Grievance Redressal Mechanism: Grievances from the students, faculty or staff if received are discussed and the necessary remedial actions are taken immediately.

The institution providing Quarters for needy based and free transport for non-teaching staff.

The institution effectively monitors the performance of faculty and staff through performance appraisal system

The institution getting CSR funds from the industry of the promoters

Internal Quality Assurance Cell (IQAC) was formed with the objective to develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the Institution. IQAC of Jansons Institute of Technology has established a Quality Management System (QMS) which follows PDCA (Plan-Do-Check-Act) cycle. Institution has ISO 2009-2015 Certification.

Internal Quality Assurance Cell (IQAC) review the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals as per norms through various channels.

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	Measures initiated by the Institution for the promotion of gender equity during the last five years.
7.1.3 QIM	Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words) <ul style="list-style-type: none"> • Solid waste management • Liquid waste management • Biomedical waste management • E-waste management • Waste recycling system • Hazardous chemicals and radioactive waste management
7.1.8 QIM	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).
7.1.9 QIM	Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).
7.1.11 QIM	Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).
7.2	Best Practices
7.2.1 QIM	Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.
7.3	Institutional Distinctiveness
7.3.1 QIM	Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Qualitative analysis of Criterion 7

The institution conducts workshops/events on gender sensitivity and on women empowerment. The institute has a functional Women's Development Committee/Cell. The safety and security of the students is taken care of through CCTV surveillance. The Institute provides purified water, medical assistance through Medical Room and partial availability of Doctor, first aid boxes, etc. Counselling of students is done by teachers. Institute has common rooms for boys as well as girls.

STP is in place to purify the used water. The institute has rain water harvesting facility in place.

The green and energy audit of the institution are carried out. The institute has a rainwater harvesting system. Institution has green practices like use of public mode of transport, plastic free campus, green landscaping with trees and plants

Institute organizes National Festivals, Birth/Death Anniversaries of great Indian personalities, International Women's Day, International Yoga Day, Sports Day, Teachers Day, Freshers Day, Farewell Party and various other extra-curricular activities.

The institute maintains transparency in its financial, academic, administrative and auxiliary functions. The Management appoints an external auditor firm to conduct the audit of the institute accounts and submit its

report annually.

NAAC

Section III:OVERALL ANALYSISbased on Institutional strengths.Weaknesses,Opportunities & Challenges(SWOC)(up to 500 words)

Strength:

1. Institute have dynamic and supportive Management with Good Vision and Mission
2. The institute is located in rural area and affiliated to Anna University
3. Adequate Physical Infrastructural facilities and Good academic support system with all Class Rooms with ICT Facility and well equipped Laboratories
4. Eco friendly campus
5. Adequate extension activities in tune with social responsibilities
6. Skill Development and value added courses
7. Faculty retention
8. Effective Feedback System

Weaknesses:

1. Lack of Linkage and interaction with National institutions and Research centers
2. outcome in entrepreneurship is very less.
3. Moderate Placement and Training activities
4. Lack of Consultancy Projects
5. Effective Implementation of Innovations and Incubation center in collaboration with industry

Opportunities:

1. Institution is located near to Coimbatore city and Industrial zone
2. Collaboration with industries
3. Interdisciplinary research and consultancy
4. Funds from National funding agencies, CSR and Alumni
5. Building competency in imparting skills to students through various activities

Challenges:

1. Attracting good admissions as per sanctioned intake in core branches
2. Mobilization of Financial resources and securing funded research projects
3. Industrial exposure training for faculty and students
4. Proactive role of alumni in deriving financial assistance
5. Pacing with ever changing technology

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)

- Placement Cell needs to play active role for strengthening placements with good attractive package
- Alumni Association to play more effective role for overall growth of the institution and students in particular
- Industry- Institution collaborations should be strengthened
- Provide good infrastructural facility for Research, Development and Consultancy
- Recruit more number of qualified and skilled technicians and supporting staff in the laboratories
- Invite faculty from national important institutions like IITs, NITs for guest lectures
- Focus on student admissions from diversified areas to fill the sanctioned intake in core branches

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. SURESH VARMA PENUMATHSA	Chairperson	
2	DR. RAGHU RAM ALLA	Member Co-ordinator	
3	DR. SURESH SM	Member	
4	Dr. Neelesh Pandey	NAAC Co - ordinator	

Place

Date

NAAC