



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

JANSONS INSTITUTE OF TECHNOLOGY

**SF. NO. 443/1,2, 442/1A AND 442/1B KARUMATHAMPATTI
641659**

<https://jit.ac.in>

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Jansons Institute of Technology (JIT) is a world-class Engineering College established in 2009 as the second venture in the field of Higher Education by the Jansons Foundation, the philanthropic initiative of Rtn. MPHF T. S. Natarajan, Mr. T. N. Kalaimani and Mr. T. N. Thirukumar. Jansons Institute of Technology is promoted by the Jansons Business Group, comprising 14 companies with a significant presence in five business sectors, namely Textile, Granite, Retail, Medicare, and Education.

Jansons Institute of Technology is affiliated with Anna University, Chennai, and approved by AICTE, New Delhi. JIT, accredited by NAAC and an ISO 9001:2015 certified Institution, is located at NH 544 (Salem-Kochi Highway), Karumathampatti, Coimbatore, Tamilnadu. JIT offers six undergraduate programmes namely,

- B.Tech. Artificial Intelligence and Data Science
- B.E. Civil Engineering
- B.E. Computer Science and Engineering
- B.E. Electronics and Communication Engineering
- B.E. Mechanical Engineering
- B.E. Electrical and Electronics Engineering*

* AICTE has approved the closure of B.E. Electrical and Electronics Engineering in the academic year 2020-2021 and students are not admitted from the academic year 2020-2021.

Jansons Institute of Technology is guided by the motto “Destination for Holistic Learning”, and takes every effort to create opportunities for students for their professional and personal development. JIT employs the finest brains in Technical Education as its faculty to lead its students to fruitful learning with 32% of faculty members being Ph.D. holders. The Institution takes at most care in providing gender equity in the workforce with 56% of the faculty members being female.



Elevation of Jansons Institute of Technology

Jansons Institute of Technology is built on 13.61 acre land, and the campus is beautifully green landscaped. Certificate of Appreciation was awarded by AICTE for Jansons Institute of Technology's significant contribution to the "One Student One Tree Initiative " in 2019. JIT received the “Green Campus Award” from Tamilnadu Science Forum in 2018 and Life Trust India in 2022 for green initiatives such as extensive tree plantation, effective water management, and proper maintenance of Plants and Trees.

Vigyan Prasar, an autonomous organization under the Department of Science and Technology recognized Jansons Institute of Technology as a “Distinguished Institution” in 2019 for its contribution to extension activities that elevates science education as a national priority in association with Vidhyarthi Vigyan Manthan (VVM). In 2022, the Institution received appreciation from Vigyan Prasar and Tamilnadu Science and Technology Center for its continuous contribution towards Science and Technology Promotion in Rural India.

The Institution’s Innovation Council (IIC) of JIT is rated four stars, the highest rating for the 2021-2022 academic year, by the Ministry of Education (MoE). The Govt. of India (MoE) has entitled JIT in the State Level Consortium of MoE’s IICs under the private/self-financed college category.

Vision

To germinate and develop a unique brand of engineers who will be the change agents in the field of Technology.

Mission

- To impart quality value-based Technical Education.
- To prepare and strengthen young minds for their future calling.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- JIT implemented Outcome Based Education (OBE) and follows the Choice Based Credit System (CBCS) , which allows the students to choose their course from a list of core elective and open elective courses.
- Leveraging Information and Communication Technology in the teaching and learning process through JiT eEDU services.
- Imparting quality value-based technical education in emerging areas through Industry Readiness Courses (IRC) and one/two credit Value Added Courses (VAC) to students in the emerging field of digital technologies like AI, IoT, Blockchain, Robotics, Quantum Engineering, Data Sciences, Cyber Security, 3D Printing & Design, and AR/VR.
- Faculty members undertake industrial training (from ZOHO, Infosys, Wipro, Autodesk, L&T EduTech, Salzer Electronics etc.) to meet the stakeholders expectation and to stay abreast with the emerging technological innovation and research trends.Institutional knowledge retention through internal training and Faculty Development Programs.
- Center for Corporate Relations (CCR), a dedicated team for providing students with the requisite skill

requirements of the 21st century as envisioned in NEP2020

- Extension and outreach programs in the neighborhood involving students through NSS, YRC, and CSR activities.
- Mentoring system provides guidance to accelerate the personal and professional development of students. 43 faculty members are trained and certified by AICTE as UHV-I mentors. 24 faculty members have completed UHV-II training organised by AICTE.
- JIT House Championship (JHC), an inclusive platform to address cultural and ethnic diversity among students that support responsible commitment to human rights, sustainable development and living, and global well-being, thereby reflecting a truly global citizen.
- Professional Societies / Chapters, technical and non-technical clubs are a part of the institution's innovation ecosystem to develop critical thinking, problem solving skills, leadership skills, technical skills and also to nurture their passion. IEEE Student Branch receives certificate of appreciation every year starting from 2016 for its exemplary activities.

Institutional Weakness

- Funding for research activities from funding agencies.
- Entrepreneurship and Incubation center activities at an early stage.
- Attracting more core companies for placement.

Institutional Opportunity

- Become an autonomous institution to have control over curriculum development and design.
- Introduction of degree programmes in emerging digital technologies such as IoT, 3D Printing and Design, etc.
- Increase alumni participation to foster collaborative research and placement initiatives.
- Establish student and faculty exchange programmes with universities abroad.

Institutional Challenge

- Bridging the gap between curriculum and evolving technology, being an affiliated institution.
- Student enrollment competing with autonomous institutions and deemed universities.
- Research and collaboration across disciplines.
- Placement for students in core industries.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Jansons Institute of Technology is affiliated with Anna University, Chennai, and follows the curriculum and syllabi designed by the university. The academic calendar is created adhering to the University's academic schedule. All academic activities are planned and carried out in accordance with the guidelines of the Governing Council and the Department Academic Council. Aside from core courses, value-added courses, industry readiness courses, content beyond the syllabus, workshops, seminars, field trips and other activities are

planned to fill curriculum gaps.

- Value Added Courses are designed to address the curriculum gaps. The proposed syllabus are approved by Anna University and offered as credit courses. 12 such Value Added Courses were offered from 2019-2020 AY.
- Faculty members undertake industrial training (from ZOHO, Infosys, Wipro, Autodesk, L&T EduTech, Salzer Electronics etc.) to meet the stakeholders expectation and to stay abreast with the emerging technological innovation and research trends.

The institution adheres to the Choice Based Credit System (CBCS) as stipulated in the Anna University regulations for 2017 and 2021. The University's CBCS programme blends environmental challenges, technology, and innovations toward sustainability, while also teaching students about ethics and human values in their professional careers and nation-building. Students obtain practical expertise in their field of study through internships, in-plant training, industrial visits, and fieldwork in addition to the specified syllabus. Students get experiential learning through completing tech tasks / mini projects and academic project works that allow them to put their newly acquired knowledge into action. Multiple opportunities are provided for students by enrolling in online/hybrid mode courses from NPTEL / SWAYAM / Tamil Nadu Govt. Naan Mudhalvan Scheme and other MOOC platforms.

A well-defined mechanism collects feedback from different stakeholders such as students, teachers, employers, and alumni. All collected input is analyzed, and actions based on the feedback are taken.

Teaching-learning and Evaluation

The institution admits students who meet the eligibility criteria of Anna University through single window counseling - Tamil Nadu Engineering Admission (TNEA) and Lateral Entry Admissions (TNLEA). Reservations are made for several categories in accordance with the Tamilnadu State Government's reservation policy.

Special programmes are organized for slow learners and advanced learners based on the students' academic levels. Each student is assigned a mentor who guides and supports them in academics and personal matters by assessing their strengths and weaknesses. The institution satisfies the requirements of both the AICTE and Anna University with well-experienced and skilled faculty members, 32% of them holding a Ph.D. in their respective fields. Faculty members employ student-centered techniques to improve student's learning experiences.

All the classrooms are air-conditioned and equipped with ICT facility. According to Anna University rules, students are evaluated through proctored continuous internal exams. For examination-related complaints, there is a CIA monitoring committee which functions on a well-established operating procedure—During the pandemic, our institution was appointed as the Nodal Center for AU to conduct University Semester Examinations and the Evaluation Centre for University Examination for Zone-IX, which included ten engineering colleges in the region.

The programme outcomes, programme specific results, and course outcomes are effectively communicated to students and staff members through a variety of channels. The Department Academic Council evaluates the achievement of programme and course outcomes using both direct and indirect techniques.

Research, Innovations and Extension

The institution has an active research and innovation ecosystem that encourages publishing and presenting research findings in journals and conferences. The Institution encourages staff and students to participate in research and innovation initiatives. The institution fosters a culture to promote research projects and consultancy activities among both faculty and students.

The Institution Innovation Council (IIC) established in the Institution to foster the innovation ecosystem by assisting in the identification and support of innovations as well as the sharing of success stories. The Intellectual Property Rights Cell (IPR Cell) was formed to foster and protect new inventions, designs, software, brand names, and other unique ideas developed by the college. The Entrepreneurship Development Cell (EDC) is developed to provide chances for the student community to improve their knowledge of industrial expectations, communicate with industry professionals, and generate awareness among students on how to become potential entrepreneurs. Regularly, seminars, workshops, and awareness camps on Intellectual Property Rights, Entrepreneurship Development, and other technical topics are held.

- The continuous efforts resulted in receiving a four-star rating for JIT's Innovation ecosystem (IIC) from the Ministry of Education. The Govt. of India (MoE) has entitled JIT in the State Level Consortium of MoE's IICs under the private/self-financed college category.
- JIT has collaborated with Bharathiar University and submitted three research proposals with total worth of 9.3 Crore under DST-Glue Grant which is in final stage of approval process.
- MSME DFO, Chennai under "MSME Innovative Scheme - Incubation Component" has recommended the institution's (CIIE) proposal to act as a Business Incubator (HI-BI).

Extension activities are carried out by several clubs, including NSS and YRC. Extension efforts are largely concerned with health awareness, gender issues, skill development programmes, science and technology outreach, and so on. Bandham operations are centered on assisting elderly people in nursing homes and children in orphanages. Students actively participate in all such forms of extracurricular activities.

- The institution and its students have received 7 awards from government bodies for its committed services towards neighborhood community via extension and outreach activities.

33 Memorandums of Understanding (MoUs) and multiple linkages with industry are formed from time to time with industry and institutions to provide internships, industrial visits for students, and research initiatives involving both professors and students.

Infrastructure and Learning Resources

Jansons Institute of Technology is built on 13.61 acres of land and has adequate teaching and learning infrastructure. All classrooms are air-conditioned and equipped with ICT tools such as projectors, systems, speakers and microphones (both fixed and portable), LAN, and WiFi. All departments have well-equipped laboratories, as well as a Centre of Academic Excellence in Blockchain Technology, a Tinkering Laboratory for the Internet of Things (IoT) and Computer Aided Product Design and Development Laboratory. For conducting cultural programmes, sports, yoga, and indoor games, adequate facilities such as an auditorium, seminar hall, conference hall, and indoor and outdoor sports courts are provided.

JIT Central Library is completely automated, through an Integrated Library Management System. Journals, e-

resources (DELNET, J-GATE , NDLI etc.), databases, and remote access to e-resources are available in the library. For adopting best practices, JIT was awarded with the following awards.

- Certificate of Appreciation from DELNET "Best Practices - Data Sharing and Accessibility" for contributing JIT's library records (14026) to the DELNET Discovery Portal.
- Certificate of Admiration for "Adopting Best Practices for Enhancing Subject Matter Experts (SMEs) Knowledge Sharing" from DELNET for sharing 267 recorded video lectures made accessible 24/7 through DELNET online services - ViSiOn Portal for all members.

IT infrastructure is regularly upgraded and maintained. WiFi is offered 24 hours a day, seven days a week throughout the college campus, with a bandwidth of 100 Mbps leased line internet connection. The institution offers ICT facilities and online resources to students for learning anytime anywhere.

- JiT eEDU LMS
- JiT eEDU Cloud
- JiT eEDU JupyterHub
- JiT eEDU RStudio
- JiT eEDU GitLab
- JiT eEDU VPN services

The maintenance of physical, academic, and support facilities such as libraries, sports fields, and computer classrooms is done methodically. A well-established housekeeping and maintenance system and procedures are available for this purpose. Annual Maintenance Contracts are provided for preventive and breakdown maintenance of air conditioners, water doctors, systems and accessories, and UPS.

Student Support and Progression

JIT takes special care and makes conscious attempts to provide student support and advancement. Scholarships are available from the institutions for academically deserving and economically disadvantaged students. Eligible students are awarded several government scholarships.

A dedicated Center for Corporate Relations (CCR) is developed for skill development, capacity building, career counseling, and placement activities. CCR offers soft skills training, language and communication training, and computer skills training. Jansons Sports Club, NSS, and YRC conduct a variety of sports, games, and awareness programmes to encourage students to focus on physical fitness and hygiene. Aspiring candidates might get training for competitive tests from their respective departments.

- The institution's CCR also collaborated with training and knowledge partners (ICTACT, Six phrase, COINDIA, etc.) for domain-specific training. In the 2021-2022 academic year, 84% of students were placed with average package of 3.2 LPA, and 16% of students chose entrepreneurship, higher education, and govt. sector career.

There are well-established protocols and methods in place to address student issues. Every year, anti-ragging awareness activities and initiatives are collected, and orientation programmes are organized to raise awareness.

In addition to regular academic activities, many sports and cultural activities are organized on campus each year, and students participate in state and national-level sports and cultural activities. Students are represented

in administrative, co-curricular, and extracurricular activities such as the Department Academic Council, the Internal Quality Assurance Cell, the Class Committee, the Anti-Ragging Committee, the Department Association, and different clubs and professional societies.

- Mr. J. D. Jayakarhik Kumar won gold medals in national level wrestling championships.
- Mr. Karthikeyan, won medals in state level karate championship and selected to play in all India level representing Anna university.
- Mr. Monishwaran won world championship in throw ball, organised at Kuala Lumpur, Malaysia.

JIT-Alumni Association, registered under the Society Act, brings together all Jansons Institute of Technology alumna and alumnus. Alumni gatherings are held regularly. The association's mission is to link graduates with their alma mater while also providing placement, expertise-experience sharing, career assistance, and internship opportunities.

Governance, Leadership and Management

The motto "Destination for Holistic Learning" guides the management of Jansons Institute of Technology. The vision and mission of the institution serve as the foundation for good leadership. The Governing Council plans and approves the Institution's academic and administrative functions comprehensively.

The strategic plan is created and helps the institution in accomplishing its short and long-term goals. Through a well-defined organizational structure, the company employs decentralization and participative management. The roles, duties, and authorities are clearly defined and properly articulated. For all operations and activities, the administration adheres to a well-established quality procedure.

Finance and accounting, administration, student enrollment and assistance, and assessment systems all use E-Governance. Through resource optimization based on demands and availability, all resources in the institution are used efficiently. The well-being of both teaching and non-teaching personnel is ensured by providing possibilities for professional development and higher education, as well as group insurance to cover any type of emergency. Faculty members are financially supported and facilitated to attend FDPs, conferences, and workshops, among other things.

To enhance skills, in-house professional development and administrative training programmes are held regularly for both teaching and non-teaching faculty. A performance appraisal system is in place to monitor and identify areas for improvement for both teaching and non-teaching faculty members.

Through continuous audit and evaluation, the Internal Quality Assurance Cell (IQAC) ensures the quality of the teaching-learning process, as well as the operation of academic and administrative activities. For its quality assurance processes, the institution has received ISO 9001:2015 certification for the quality management system.

Institutional Values and Best Practices

Jansons Institute of Technology supports gender equity by granting all genders equal rights, opportunities, resources, and protections. The institution has established Internal Women Caring Cell (IWCC) to act as the "Internal Complaints Committee" (ICC) and Gender Sensitization Committee against Sexual Harassment

(GSCASH). The women empowerment is witnessed by the various co-curricular activities conducted by the IWCC.

JIT is disabled-friendly and provides a barrier free environment. The institution has alternative energy sources such as solar energy and wind energy. The institution uses LED lamps, sensor-based energy saving system, energy-efficient equipments for energy conservation. To maintain an environment friendly campus, the institution has implemented a system and procedure for dealing with degradable and non-degradable waste such as solid, liquid, e-waste, and chemicals. The institution practices water conservation by harvesting rainwater, building tanks, recycling wastewater, maintaining the water distribution system, and reducing wastewater through sensor-based monitoring. The institution is lushly landscaped.

- Certificate of Appreciation was awarded by AICTE for Jansons Institute of Technology's significant contribution to the "One Student One Tree Initiative " in 2019.
- In 2018, the Tamilnadu Science Forum presented JIT with the "Green Campus Award" for green measures including massive tree planting, good water management, and adequate plant and tree maintenance.
- In 2022, Life Trust India awarded JIT with “Green Campus Award” for maintaining environment friendly practices and rich biodiversity inside the campus.

Restricted entry for automobiles inside the campus, use of bicycles and electric vehicles contribute significantly towards reduction in carbon footprints. Plastics are prohibited and pedestrian-friendly walkway is facilitated inside the campus. Green/ environment, Energy audit, water audit and Swachh Campus audit hare performed regularly.

The institution makes ongoing efforts to provide an inclusive atmosphere and generate harmony in the students by breaking the differences. The students and employees are sensitized on duties and responsibilities towards constitutional obligations by various initiatives.

The best practices followed by the institution are,

- Ingenious Innovative Ecosystem for Value Creation
- Industry Connect

The institution empower the students by up skilling various capabilities and generate a unique brand of Engineers with its distinctive measures.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	JANSONS INSTITUTE OF TECHNOLOGY
Address	SF. No. 443/1,2, 442/1A and 442/1B Karumathampatti
City	Coimbatore
State	Tamil Nadu
Pin	641659
Website	https://jit.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Nagarajan V	0421-2264900	9715542000	0421-2264999	info@jit.ac.in
IQAC / CIQA coordinator	Davis Hans S J	-	9750053222	-	iqac@jit.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	12-04-2022	View Document
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	03-06-2022	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	SF. No. 443/1,2, 442/1A and 442/1B Karumathampatti	Rural	13.61	32219.5

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering	48	HSC	English	30	6
UG	BE,Computer Science And Engineering	48	HSC	English	90	93
UG	BE,Electronics And Communication Engineering	48	HSC	English	90	88
UG	BE,Mechanical Engineering	48	HSC	English	30	15
UG	BTech,Artificial Intelligence And Data Science	48	HSC	English	60	63

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	13				11				55			
Recruited	7	6	0	13	7	4	0	11	21	34	0	55
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				23
Recruited	19	4	0	23
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				12
Recruited	10	2	0	12
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	7	6	0	7	2	0	2	1	0	25
M.Phil.	0	0	0	0	0	0	1	4	0	5
PG	0	0	0	0	2	0	18	29	0	49
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	385	302	0	0	687
	Female	211	106	0	0	317
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	5	16	8	3
	Female	4	11	2	25
	Others	0	0	0	0
ST	Male	0	1	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	86	121	75	73
	Female	43	75	35	114
	Others	0	0	0	0
General	Male	120	152	5	6
	Female	27	55	8	5
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		285	431	133	226

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Jansons Institute of Technology offers Degree Programmes in Engineering and Technology and is affiliated with Anna University. JIT offers different programs like Artificial Intelligence and Data
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	<p>Science, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, and Mechanical Engineering. JIT follows the curriculum developed by Anna University and students enrolled in these programmes are offered interdisciplinary courses through open electives which can be opted for by students based on their interests. All the programmes offered have elective courses in which the students of a particular programme are exposed to multidisciplinary education by choosing a course in a different domain. Interdisciplinary and multidisciplinary projects are encouraged during their period of study. Considering the abundant scope for implementing a multidisciplinary approach to education institutions as envisaged in the NEP2020, JIT is developing a strategic plan to realise the opportunities opened by NEP2020 in implementing Multidisciplinary/interdisciplinary courses and programmes in Engineering and Technology, Arts and Science, and Management Studies through mainstream, vocational and online education.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>Jansons Institute of Technology has registered in National Academic Repository, to ensure that the academic awards are stored permanently in a secured digital depository as well as to make the same available online to all stakeholders such as pass-out students, enrolling students for higher studies, employers, and verifying agencies, 24x7 basis and for credit transfer between institutions. Since the launch of NAD and referring to the notification received from the Office of the Controller of Examinations Anna University, Chennai, dtd.: 15-05-2019, JIT has uploaded the academic details of its wards in the NAD Portal. Presently, referring to the notification received from the Government of India, Ministry of Human Resource Development, Department of Higher Education, Dated March 2020, the entering of wards data into the Ministry of Electronics and Information Technology (MeitY) through the DigiLocker is completed. A step towards utilizing the ABC effectively, the institution encourages students to learn and earn credits through SWAYAM / NPTEL, etc. Many of our students have completed such online courses and earn credits. The institution's NPTEL local chapter is active and</p>

<p>3. Skill development:</p>	<p>recognized as an active local chapter.</p> <p>Jansons Institute of Technology (JIT) offers skill development courses to students through its Centre for Corporate Relations (CCR). The courses are resourced from various schemes of AICTE and the Government of India. JIT has implemented the mandatory internship policy and examination reforms policy. Through the examination reforms policy Skill Development Courses – Industry Readiness Courses are offered along with industrial exposure through internships. JIT is an active member of the AICTE-SLA (PARAKH) project designed to measure the benchmark levels of students in technical programs and to understand the various factors that affect the skill development of students in Technical Institutes across India. JIT credibly earned 169th position among 1365 institutions across India. JIT has associated with AICTE - National Educational Alliance for Technology (NEAT) to bridge the gap between students and the learning platform of Education Technology companies in India. JIT has implemented the National Initiative for Technical Teachers Training (NITTT) scheme initiated by AICTE and MoE to provide training for teachers working in AICTE-approved technical institutions and successfully trained 4 mentors. JIT has collaborated with AWS Academy, Intel oneAPI, Infosys Springboard, Red Hat Academy, UiPath Academic Alliance to experience the students to the broader areas of machine learning, cyber security, full stack, etc. and develop skills in emerging technologies.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Jansons Institute of Technology is committed to creating awareness among Faculty members and Students regarding the contributions of the Indian Civilization in the domains of Science and Technology that have evolved under the context of NEP 2020. Bringing Indian Knowledge Systems (IKS) to the center stage of Education, a Universal Human Values courses are offered to students starting from induction programme. JIT aspires to bring insights from various Indian thought traditions to strengthen the knowledge base and create comparative perspectives for teachers & stakeholders in Higher Educational Institutions (from India and abroad) that shall enable them to empower the students to become compassionate, fulfilled</p>

	<p>individuals, good citizens and contributing members of the world order. In this context, faculty members are being trained in Indian Knowledge Systems - Contemporary Education & Practices and Universal Human Values. Yehaasary K M, student of B.Tech. Artificial Intelligence and Data Science has successfully completed Bharatiya Jnana Samvahini, Indian Knowledge System (IKS) internship. JIT organises “Thamilar Parampariya Viza” to preserve and promote regional traditional dance “Oyillatttam” in association with Sangamam Kalaikulu and Nehru Yuva Kendra, Coimbatore.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>Jansons Institute of Technology (JIT) has adopted the Outcome-Based Education (OBE) model for its Teaching and Learning activities to improve the student's knowledge and skills. JIT, an affiliated institution, follows the OBE curriculum developed by Anna University, Chennai (AU Regulation 2017 and AU Regulation 2021). The Department Academic Council (DAC) and Department Program Assessment Committee (PAC) oversee the planning, implementation, and assessment of OBE. PSOs and PEOs for all Programs are defined. COs are suitably defined for all courses and mapped with POs. Faculty members prepare a course delivery plan(CDP) keeping in view the syllabi offered by the university and the expected course outcomes (COs). COs are suitably framed by the course coordinator for each course, based on the syllabus and objectives of the course. COs are mapped with POs and PSOs. Questions in the internal assessment and assignments are framed such that the assessment of the entire COs is properly made. Based on the performance of students and the target fixed for the attainment of each CO, an assessment of the attainment of COs is computed. If the target is not achieved, then suitable corrective action such as changing the pattern of delivery of courses and assessments will be taken by the faculty members. Similarly, an assessment is made based on the performance of students in the external end-semester examination. Then the assessment of the attainment of POs and PSOs is made through all the courses as well as activities through mini projects, case studies, seminars, workshops, etc. The academic process caters to a diverse range of learners and maintains equity. Slow and advanced learners are identified based on their</p>

	<p>academic performance. Slow learners are supported through remedial classes, open book tests, and tutorials as additional inputs. Advanced learners are facilitated to earn more credit through NPTEL / Swayam online courses and Internships, to attain a higher level of excellence through specialized training programmes, and are inspired to excel in competitive examinations and for overseas studies. Experiential Learning (field and industrial visits and industry-connect courses), Activity Based Learning (interactive session/model and video based/concept mapping/flipped classroom strategy, etc.), and Participative Learning (practical assignments / course-related projects / virtual laboratory/quiz/exhibition/hackathon, etc.) are continuously practiced by the faculty members to enhance learning experiences and supplement classroom instruction. Utilizing ICT-enabled tools facilitates effective teaching and learning.</p>
6. Distance education/online education:	<p>Jansons Institute of Technology facilitates the students to undergo online/distance education to learn the latest technologies and upgrade themselves through MOOCs (Massive Open Online Courses) offered by Swayam / NPTEL, Infosys SpringBoard, Coursera, Spoken Tutorials, etc. MOOCs certificates obtained by the students offer them cutting-edge employability in the industry and also help them pursue a suitable higher education programme. The institution facilitates students to utilize its Wi-Fi-enabled Digital Library and Computer Centres to access these MOOC Courses. All information regarding the course is updated to students via email notifications and posting the information in JIT Central Library OPAC Portal with all relevant links. All faculty members were also encouraged to enroll in MOOCs. About, 144 students and faculty earned certificates for the successful completion of courses by NPTEL –MOOCs. About 75% of students and faculties have completed certificate courses from Coursera. About 80% of students and faculties earned certificates for the successful completion of employability enhancement courses offered by IBM. About 60% of students and faculties earned certificates for the successful completion of skill development courses offered by Infosys - Springboard.</p>

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Electoral Literacy Club (ELC) is established at JIT in June 2020 to promote electoral literacy in all age groups of the student community through engaging and interesting activities and hands-on experience but in an apolitical, neutral, and non-partisan manner.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	A faculty member has been nominated as the nodal officer for the ELC and all students from all department (of all semesters) are members of ELC. (i) Nodal Officer : Dr. Raju M, Assistant Professor, S&H Dept. (ii) Chairman : Mr.Shaik Masthanvali, III Year, Mech Dept. (iii) Vice Chairman : Mr.Arulkumar.R, II Year,CSE Dept.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	Objectives and Regular Activities of ELC (i) Promoting and supervising Club enrollment. (ii) Supervising the election and formation of the Executive Committee of ELC. (iii) Coordinating between the District Election Officer and the ELC for the exchange of resources, information, etc. (iv) Attempt to generate new resources and forward the same to the District Election Officer. (v) Guiding and supervising the development of the calendar of activities for the year by the Executive Council.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Since June 2020, we have conducted a voter's awareness programme irrespective of all years of students on every January 25th in our college premises regarding the voters day. Also, the students' volunteers of ELC joined with NSS volunteers and outreach the objective of ELC to the village people. Following are some of the activities organized by ELC. (i) Democracy: The Government of the People, by the People, for the People, (ii) My Vote is My Right/The Value of a Vote, (iii) Inclusive Elections: Every Vote Counts the Same, (iv) Ethical and Informed Voting, (v) Model Code of Conduct, (vi) Secrecy of Vote, (vii) Integrity of Electoral Process through the use of EVM and VVPAT, (viii) Knowing Your Candidate, (ix) National Voters' Day, (x) Election Manifestos, (xi) Exit and Opinion Polls, (xii) Social Media Campaigning. JIT organised an SVEEP-Election Awareness Singing Competition and the best performances were appreciated with cash awards from the District Election Office.

<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>We have inspired the students above 18 years who are yet to be enrolled as voters in the electoral roll through ELC in association with all clubs of our college. The institution organises awareness campaigns to encourage students enroll as voters.</p>
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Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
942	951	668	854	1003

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 143

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
83	92	98	115	127

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
261.79	138.75	347.45	398.46	432.11

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Jansons Institute of Technology (JIT) is affiliated with Anna University, Chennai and the syllabuses for all degree programmes are designed and developed by Anna University. All the programmes follow,

- Outcome Based Education (OBE) Framework
- Choice Based Credit System (CBCS)



Process flow of Curriculum Planning and Delivery

Curriculum Planning and Delivery

Curriculum Analysis

Feedback on the curriculum stipulated by Anna University is collected from all stakeholders and reviewed by the Department Academic Council (DAC) of respective departments. DAC recommends Industry Readiness Courses and Value Added Courses to address curriculum gaps and stakeholders' requirements.

Planning for Curriculum Delivery

Based on the faculty specialization, expertise, and preference, elective courses opted for by the students and core courses are allotted. Course committee ensures uniform and effective delivery of curriculum across all classes when a course is offered to more than one department. Detailed Courses Delivery Plan (CDP) is developed incorporating pedagogical and assessment methods, which are verified and approved by HoD. Approved course deliverables (including notes, further reading materials, handouts, a question bank, assignments, laboratory manual in case of laboratory course etc.) are uploaded in JiT eEDU LMS before the commencement of classes.

Curriculum Delivery

The course is delivered following student-centric and ICT-based methods as per the timetable. Progress of course delivery, student attendance, assignment mark, and internal test marks are recorded in class records maintained by each course handling faculty. The class records are verified regularly by HoD. All academic processes are conducted as per the documented QMS (Quality Management System) academic process manual.

Adherence to the Academic Calendar

The academic calendar of JIT is prepared by the Exam Cell of the institution (based on Anna University's academic and assessment schedule for affiliated institutions), verified by IQAC, approved, and released by the Principal.

Academic Calendar

JIT scrupulously adheres to the academic activities scheduled in the academic calendar including,

- Commencement of class and last working day
- TLP feedback and Class committee meeting dates
- Continuous Internal Assessment (CIA) dates
- Tentative commencement of University Practical Exams and End Semester Exams

Any changes announced by the University are amended accordingly in the academic calendar.

Conduct of Continuous Internal Assessment (CIA)

CIA tests are conducted during the specified period (adhering to Anna University assessment schedule) by the Exam Cell of the institution and strictly adhere to the QMS examination process manual. Student attendance and CIA test marks are uploaded to Anna University Pre-Examination Monitoring System web

portal periodically.

Documentation and Academic Audit

JIT QMS has framed a process manual for academics (for systematic planning and delivery of curriculum) and examination (for robust conduct of internal assessment and university examination) as the guidelines of statutory and accreditation Bodies.

Academic Audit

JIT conducts academic audits to ensure the quality of academic processes, curriculum delivery, and assessment methods and processes. All records pertaining to academics such as curriculum planning and delivery, attendance, and continuous internal assessment marks are audited by a team of external (course experts) and internal auditors at the end of each semester to ensure academic quality and integrity.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 144

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five

years

Response: 76.55

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
681	641	590	721	749

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

Jansons Institute of Technology (JIT) follows the curriculum stipulated by Anna University (affiliating university) which has integrated cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability across all undergraduate degree programmes.



Institutional bodies working on cross-cutting issues

Professional Ethics

Courses inculcating ethical behaviour are integrated with the curriculum and the courses listed below are offered to all undergraduate degree programmes and to name a few.

- Professional Ethics in Engineering
- Human Values and Ethics
- Quality Control and Reliability Engineering
- Total Quality Management
- Principles of Management

Standards Club

JIT has inaugurated the “Standards Club” approved and registered with the Bureau of Indian Standards (Institution registration no: JIT-SC-756) to cultivate the value of quality and standardization in young minds.

Gender

The institution respects all personnel without any gender bias at every level of its operations. The student and faculty ratio based on gender equity proves the suitability of the institution for women in choosing the institution as their educational and workplace. Courses related to gender issues and gender equity are taught to the students via the following courses integrated into the curriculum.

- Introduction to Women and Gender Studies
- Political and Economic Thought for a Humane Society
- Well Being with Traditional Practices (Yoga, Ayurveda, and Siddha)
- State, Nation-Building, and Politics in India
- Human Rights

The Internal Women Caring Cell (IWCC)

IWCC creates gender sensitivity and instills gender equity among the students by organizing seminars, workshops, and events on remembering eminent women personalities. IWCC works closely with Entrepreneurship Development Cell (EDC) promoting women to be entrepreneurs.

Human Values

Courses related to human values as listed below are offered to students in the higher semester to sensitize them about their role in society.

- Human Rights
- Universal Human Values
- Political and Economic Thought for a Humane Society
- Well Being with Traditional Practices (Yoga, Ayurveda, and Siddha)
- History of Science and Technology in India

Value Education and Student Induction Program Cell (VE-SIP Cell)

JIT has established VE-SIP Cell to educate students with a life-enhancing understanding of an ethical vocabulary, based on positive values such as respect, trust, justice, compassion, and the perspective of life and lead a successful life as a responsible citizen. Through the cell, Universal Human Values (UHV) courses are offered to start from the freshmen year - student induction program. 43 faculty members are

trained and certified by AICTE as UHV-I mentors. 24 faculty members have completed UHV-II training organised by AICTE.

Environment and Sustainability

The curriculum includes courses on environment and sustainability which provide the value of the preservation of the environment and technological ideology for moving towards a sustainable future.

- Environmental Sciences and Engineering
- Municipal Solid Waste Management
- Hospital Waste Management
- Renewable energy sources
- Environmental Sciences and Sustainability
- Climate Change and its Impact
- Environment and Social Impact Assessment
- Renewable Energy System
- Air Pollution Control Measures and Design Methods

Sustainability Cell, Eco Club and Energia Club

JIT has set up a Sustainability Cell, Eco Club, and Energia Club to groom students as ambassadors of sustainable development which is the need of the present, not only for the survival of mankind but also for its future protection and development. Through the cells by partnering with NSS, students are sensitised about environmental friendly and sustainable practices.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 81.85

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 771

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 52.53

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2021-22	2020-21	2019-20	2018-19	2017-18
280	295	128	159	279

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
300	300	360	606	606

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list as published by the HEI and endorsed by the competent authority	View Document
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.1.2 Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 50.13

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2021-22	2020-21	2019-20	2018-19	2017-18
133	96	116	149	257

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
207	207	248	418	418

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio**2.2.1 Student – Full time Teacher Ratio
(Data for the latest completed academic year)****Response:** 11.35**2.3 Teaching- Learning Process****2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process****Response:**

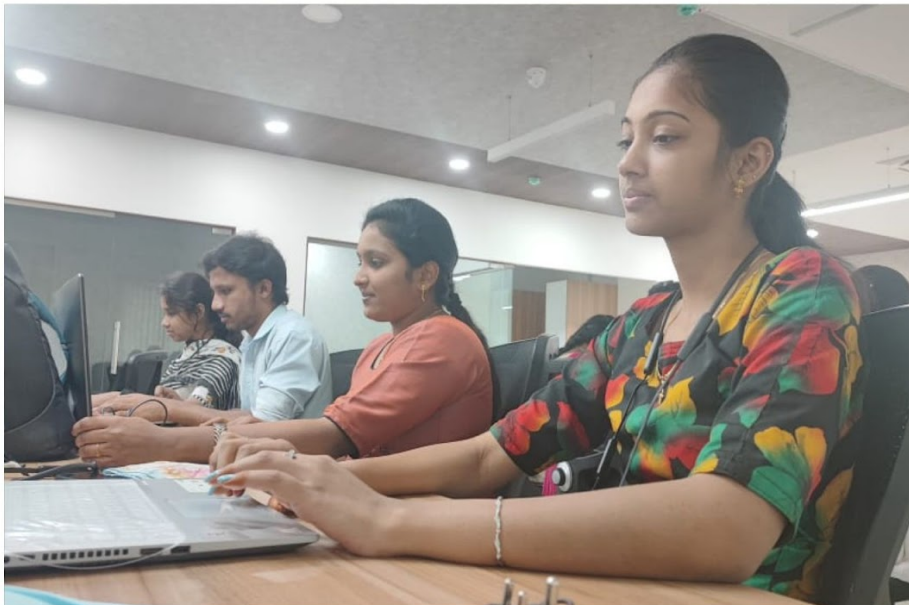
JIT takes continuous efforts to make the teaching-learning process student-centric by adopting various learning methodologies from time to time, depending on the necessity demanded by courses other than the conventional method. The goal of outcome-based education (OBE), a transformative approach, is to assess a graduate's knowledge, skills, and behavior in order to determine the program's success. The ICT-enabled Teaching-Learning Process is supported with Regular Practical Sessions, access to Digital Library, and

Online Courses (MOOCS, NPTEL etc.). Innovative curricular elements address academic interventions for improving problem-solving skills and experiential learning.

Experiential Learning

Experiential Learning is employed in almost 33% of courses per semester which are laboratory-based and help the students in gaining knowledge on the topic by conducting experiments and interpreting the results.

- Integrated courses – where theory and practical components are taught
- Club, society, and professional chapter activities (technical events, hackathons, contests) give hands-on experience in the latest developments in Engineering.
- Field trips and industrial visits are planned to see recent advancements in respective fields.
- During the winter and summer breaks, internships are offered to broaden their practical expertise.



Students Involved in Experiential Learning (Internship, Field Work, Laboratory Work)

Participative Learning

Innovative and activity-based teaching–learning methods are being followed at JIT. While developing the course delivery plan, respective faculty members also decide the best ICT tools and Innovative teaching

methods for delivering the topic. Some of the frequently employed participatory learning methods are, Flipped Learning, Collaborative method, Mind Mapping, Reciprocal Teaching, Think Pair Share Technique, Virtual Flipped classroom, Roleplay, Video Demonstration, Z-A Approach, Video Presentation Jigsaw Technique, Think Aloud Pair Problem Solving etc.



Teaching Learning Process through Participatory Learning Methods (Reciprocal Teaching, Roleplay, Group Discussion, Flipped Classroom)

Problem-Solving Methodologies

Tutorial classes are a part of core / analytical courses. The tutorial lessons are scheduled as part of the course delivery.

- Students participate individually or in groups to involve in case studies, real-time problems etc.
- The Institution Innovation Council of JIT, clubs, and professional societies nurture intellectual and problem-solving capabilities through its activities on design thinking, idea generation, problem-solving etc. The facilities provided in the institution like the workshop, tinkering lab, product design and development laboratory, etc help to convert students' ideas for societal problems into feasible solutions
- The pre-incubation and incubation facilities and startup mentoring provided by the certified faculty

innovation ambassadors motivate the students to become solution providers for real-world technical needs.



Learning through Problem-Solving Methodologies (Tutorial Class, Case Study at Incubation Centre, Workshop on Design Thinking, Participation in Hackathon - SIH2022)

ICT Enabled Classroom

To facilitate learning without time constraints, to support students learn at their own pace, and to effectively engage students inside and outside the classroom environment, all faculties at Jansons Institute of Technology employ ICT tools as demanded by courses and classroom environments. All the faculty members exhibit the advantage of ICT-enabled classrooms for effective teaching and learning. All classrooms are equipped with computers enabled with LAN / Wi-Fi 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. The institution offers ICT facilities and online resources to students for learning anytime anywhere.

- DELNET e-resources (books, journals, audio and video, databases)
- JiT eEDU LMS
- JiT eEDU Cloud

- JiT eEDU JupyterHub
- JiT eEDU RStudio
- JiT eEDU GitLab
- JiT eEDU VPN services

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

Response: 95.19

2.4.1.1 Number of sanctioned posts year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
75	87	105	119	155

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 26.02

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
29	27	27	25	26

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The internal and external assessment tests are administered by the exam cell in accordance with the academic calendar and the Anna University academic and assessment schedule. The academic calendar is released before the commencement of the classes and displayed in the institutional website, notice boards, and in JiT eEDU LMS. The exam cell conducts Continuous Internal Assessment (CIA) tests for the students of their respective regulations as stated below within the stipulated time by Anna University's.

- Two Continuous Internal Assessments for R2021 and
- Three Continuous Internal Assessments for R2017

Transparent conduct of assessment

The CIA test schedule is displayed on the college website, JiT eEDU LMS, and notice boards two weeks before the test. Two sets of question papers are prepared by course faculty as per the guidelines and pattern with answer keys and a scheme of evaluation. The question paper and answer key with the scheme of evaluation are duly vetted by the respective Head of the Department. Class Committee meeting is conducted before all CIA tests to discuss class activities viz.,

- Syllabus coverage for internal CIA test
- Difficulty in understanding any courses and additional support, if needed.
- Review and previous test performance in the case of the second and third meetings.

The well-ordered conduct of the CIA test is ensured by the CIA monitoring committee. In case any malpractice is identified, the collected evidence is handed over to the exam cell by the invigilator, and suitable disciplinary action is taken by consultation with HoD and the Principal.

Exam-related grievance redressal system

The answer key with the scheme of evaluation is made available in JiT eEDU LMS after the completion of the test. The answer scripts are duly evaluated by faculty and distributed to students for their verification within three days from the date of examination. For absentees (against genuine reason) retests are conducted on the dates communicated by the exam cell and the marks are forwarded to the class advisor. Grievances related to marks are immediately rectified by course handling faculty, if not satisfied students may reachout the CIA monitoring committee within three days after completion of CIA.

After one week of completion of the CIA, a mentor report is prepared and the same is sent to the student's parent mobile number by the mentors. The CIA marks are uploaded to the university web portal along with their attendance (<https://coe1.annauniv.edu/home/>) and made visible for students and parents for verification. The grievances or discrepancies, if any, are resolved at once.

To maintain transparency in the evaluation of the university examinations, students can apply to get an answer script photocopy. After the photocopy is evaluated by the faculty for recommendation and students may decide on revaluation as per Anna University norms. Revaluation is applied for such subject papers by the individual student and the re-evaluated marks can be obtained during the announcement of revaluation results of the same semester. If the student is not satisfied after the revaluation result, he may consult with the subject-handling faculty and the HoD to apply to challenge revaluation, a permissible opportunity by the University and which is the final evaluation approach.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

The Institution is affiliated with Anna University (AU) and has implemented Outcome Based Education starting from AU regulations-17 and followed by AU regulations-21. JIT has adopted twelve Program Outcomes (POs) stipulated by the assessment and accreditation agencies, National Assessment and Accreditation Council (NAAC), and National Board of Accreditation (NBA) to measure the skills, knowledge, and abilities of our graduates. Each department has defined Program Specific Outcomes (PSOs) in consultation with the stakeholders which are aligned with the institution's and department's vision and mission. The Department Academic Council (DAC) of respective departments reviews the PSOs and COs and their attainment regularly.

The course outcomes (COs) for each course (5 or 6 COs) are defined for all theory courses, laboratory courses, theory with laboratory components, project work, and other courses. As per bloom's taxonomy, the COs are mapped with appropriate levels of Knowledge and in turn are mapped with appropriate POs on a 3-point scale (3- substantial, 2- moderate, and 1-slight).

Dissemination of Programme Outcomes (POs) and Program Specific Outcomes (PSOs)

- The POs and PSOs are publicly disclosed to all stakeholders of the institution via the institutional website (<https://jit.ac.in>) on the respective department's page.
- Display boards of POs and PSOs are also exhibited in respective departments for students, staff, faculty, and public view.
- POs and PSOs are printed in department brochures.
- In JiT eEDU LMS, respective departments' POs and PSOs are stated.
- Students are clearly made aware of the POs and PSOs during the induction programme and semester orientation sessions.
- The Head of the Department, Teaching Faculty, Class advisor, Mentor, and students communicate POs and PSOs to parents during one-on-one meetings.

Dissemination of Course Outcomes (COs)

- The COs are publicly disclosed to all stakeholders of the institution via the institutional website (<https://jit.ac.in>) on the respective department's page.
- COs of theory courses are displayed in respective class notice boards for students, staff, faculty, and public view.
- COs of laboratory courses are presented on respective laboratory notice boards for students, technical staff, faculty members, and the public.
- COs are printed in the respective course material.
- COs are displayed on the respective course page of JiT eEDU LMS.
- Detailed CO - PO - PSO mapping is shown on the respective course page of JiT eEDU LMS.
- Course Delivery Plan circulated to students clearly states COs of the course and detailed CO - PO - PSO mapping.
- Students are clearly made aware of the COs in semester orientation sessions and regularly by course-handling faculty during lecture hours.
- Course handling faculty communicate COs to students' parents during one-on-one meetings.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2 Attainment of POs and COs are evaluated. Explain with evidence in a maximum of 500 words**Response:**

Outcome-based education has been implemented at the institution, beginning with AU regulations 17 and continuing on to AU regulations 21. The institution is affiliated with Anna University (AU) and has adopted twelve Program Outcomes (POs) stipulated by the assessment and accreditation agencies, National Assessment and Accreditation Council (NAAC) and National Board of Accreditation (NBA), in order to measure the skills, knowledge, and abilities of the graduates. Each department has defined Program Specific Outcomes (PSOs), in consultation with the various stakeholders, and these PSOs are

aligned with the vision and mission of the institution as well as the department. All theory courses, laboratory courses, theory courses that also include laboratory components, courses that focus on project work, and any other types of courses all have their individual course outcomes (COs) defined.

In accordance with the Bloom's taxonomy, the COs have been mapped with the suitable levels of Knowledge, and these levels have in turn been mapped with the suitable POs on a scale of three (3-substantial, 2- moderate and 1-slight). Regular reviews on levels of attainment of COs, POs and PSOs, are conducted by the Programme Assessment Committee (PAC) and Department Academic Council (DAC). Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) are evaluated through two techniques namely.

- Direct assessments
- Indirect assessment

Direct Assessment

Overall attainment of COs (Theory & Practical) = $0.4 * \text{Internal Evaluation} + 0.6 * \text{External Evaluation}$

PO & PSO attainment = $(\text{Overall CO} \times \text{Attainment Level}) * (\text{Mapping value of PO and PSO for COx})$, where, x is the number of COs

Internal Evaluation

Continuous Internal Assessment (CIA) tests are conducted and various other assessment techniques like MCQ, Assignment, Tutorials, Case Study, Seminar, Mini Project, Quiz Puzzles, etc., are used for direct assessment. Each question is mapped with COs, indirectly mapped with POs and PSOs. The students' performance against each CO is assessed.

External Evaluation

The end semester is conducted and evaluated by the University, hence CO wise evaluation is not available for calculating CO-PO attainment. Grade awarded for each student is considered for calculating CO Attainment for all courses. CO attainment is calculated based on the students achieving the defined target. Direct attainment of CO is calculated by considering 60% of university Examination level and 40% of CIA Level.

Indirect Assessment:

Indirect assessment for POs and PSOs attainment are based on the survey results from the course end survey and programme exit survey. The response of feedback is recorded as attainment level of POs and PSOs for indirect assessment.

Overall POs and PSOs Attainment:

PO attainment is calculated for each semesters independently after announcement of university results. After completion of all eight semesters, the overall PO attainment is calculated. The programme wise overall attainment values are calculated by considering 80% weightage to direct assessment and 20% weightage to indirect assessment.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3 Pass percentage of Students during last five years (excluding backlog students)

Response: 85.16

2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
213	287	132	187	266

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
216	287	136	289	346

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 69

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
18	23	28	0	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

JIT established the Institution's Innovation Council (IIC) approved by MoE's Innovation Cell, adopting the National Innovation and Startup Policy (NISP) in 2019 spearheading the innovation ecosystem. The innovation ecosystem of JIT comprises the following entities working together hand in hand.



Innovation Ecosystem of JIT

Intellectual Properties Rights Cell (IPRC)

JIT's IPRC was established in 2018 with the intention of cultivating an environment conducive to the generation of innovations and research. The primary aim of IPRC is to legally safeguard the innovative ideas of the students and faculty. Certificate of Appreciation from Government of India - NIPAM for exceptional contribution towards “Widespread Awareness on Intellectual Property Rights” in 2022 and 2023.

Entrepreneurship Development Cell (EDC)

To bridge the gap between innovative ideas and market products, EDC was established at JIT in 2018. EDC introduces angel and VC funding opportunities to aspiring entrepreneurs.

Jitians Idea Meta Space (JIMS) - Repository for Innovative Ideas

JIMS is the innovation repository of JIT. Students, researchers, and faculty members of JIT are encouraged to submit their innovative ideas throughout the year in the repository. Selected ideas are supported to develop proof of concepts and as prototypes by the pre-incubation facilities.

Adaptation and promotion of Indian Knowledge System

Tamil Mandram of JIT mainly focuses on Tamil history, cultural values, scientific concepts, and literature. The forum emphasizes the conversion of traditional knowledge to scientific understanding. The institution offers the following credit courses related to IKS.

- Heritage of Tamils
- Tamils and Technology

Incubation Facility***Centre for Innovation, Incubation and Entrepreneurship (CIIE)***

Centre for Innovation Incubation and Entrepreneurship commenced operations in 2022 with an area of earmarked 10,000 square feet. The incubation facility has coworking spaces, executive rooms, and board rooms for business activities. MSME DFO, Chennai under "MSME Innovative Scheme - Incubation Component" has recommended the institution's (CIIE) proposal to act as a Business Incubator (HI-BI).

Research and Development Cell - Facilities

JIT is recognised as a Research Centre by Centre for research, Anna University. JIT has collaborated with Bharathiar University and submitted three research proposals with total worth of 9.3 Crore under DST-Glue Grant which is in final stage of approval process.

- Centre of Academic Excellence in Blockchain Technology is established in association with M/s. Sparkout Tech Solutions (Pvt.) Ltd.
- Tinkering Laboratory for the Internet of Things (IoT) funded by the AICTE-MODROBS project.
- Computer Aided Product Design and Development Laboratory equipped with cutting-edge softwares for virtual prototyping and 3D printer facility for prototyping.

Outcomes of the Innovation Ecosystem

- The Institution's Innovation Council of JIT is rated four stars, the highest rating for the 2021-2022 academic year, by the Ministry of Education.
- The MoE, Govt. of India has entitled JIT in the State Level Consortium of MoE's IICs under the private/self-financed college category.
- The institution's team participated in the Onion Grand Challenge and recommended developing a proof of concept with the financial support of Rs.75,000/- provided by the Ministry of Consumer Affairs, Food and Public Distribution.
- Students undertake internships related to Indian Knowledge System - Bharatiya Jnana Samvahini.
- 45 patents are published and 8 patents granted.
- 53 Proof of Concepts for innovative ideas and developed 25 prototypes of scalable products.
- 5 ventures are incubated, as listed below
 - EGT-ECO Green Tech Pvt Ltd (TRL-9)
 - Green Sky Constructions (TRL-8)
 - Energy Plant (TRL-6)
 - He 5 Solutions (TRL-6)
 - Fiche Technologies (TRL-5)



Ventures incubated at CIIE of JIT

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 72

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
30	13	19	9	1

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 1.6

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
41	33	29	35	91

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.79

3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
62	15	05	06	25

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities

3.4.1 Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

Jansons Institute of Technology (JIT) involves students in social services to sensitize them related to social issues and facilitate holistic personality development. Jansons Institute of Technology is committed to the neighborhood community and the extension and outreach activities are organised by the following units and cells of the institution.

- National Service Scheme (NSS)
- Youth Red Cross (YRC)
- Red Ribbon Club (RRC)
- Electoral Literacy Club (ELC)
- Citizen Consumer Club (CCC)



Citizen Forums of JIT

Science and Technology Popularisation in Local Community

JIT constantly collaborates with government and non-government agencies like, Vigyan Prasar - a unit of DST, Tamilnadu Science and Technology Centre, Regional Science Centre, Ariviyal Palagai, DIET-Coimbatore, Rotary, Vidyarthi Vigyan Manthan, Galileo Science Club etc in organising and hosting a

variety of science popularisation events for school student and rural community.

Clean and Green Activities

NSS unit of JIT organises swachh bharaat activities in nearby schools, temples and public gathering places located at karumathampatti and Chennappa Chetty Pudur. Tree plantation drives, solid waste management programs, the impact of using single-use plastics, Meendum Manjal Pai (state government mission on encouraging the use of cloth bags) promotion, and awareness on energy conservation methods are organised.

Skill Development for Rural Students

By partnering with technical training partners like BYVAL Technologies, Apex Institute of Multimedia, CADD Centre, NIIT, iRoboChakra, Rotary, Toppers Academy etc, JIT organises training programs and bootcamps for on-demand skills dropouts, higher secondary school students, and diploma holders. JIT also conducts crash courses for NEET and JEE to support students in rural schools by experts.

Sensitisation programs on Gender and Social Issues

NSS in association with IWCC organises awareness sessions on gender equity, girl child safety, and opportunities for women among school children and nearby community women. During NSS camps students create awareness about alcohol use disorder, problems of using tobacco among working men in the villages, rights of the electoral enrollment etc.

Activities toward Health and Hygiene

The institution's infrastructure was shared with Royal Care Super Speciality Hospital Ltd. for setting up Covid Care Centre (CCC) for isolation during the pandemic period which greatly helped frontline workers revive from Covid-19 infection. Hepatitis awareness programs, dental health awareness, yoga training, and fit india activities in association with NYKS are organised for various school students.

Outcomes and Impact of Extension Activities

- Through the COVID vaccination camp organised in the campus, more than 500 members of the nearby community successfully vaccinated.
- Vaccination awareness camp organised by NSS unit at Chennappa Chetty Pudur significantly increased the no. of people vaccinated with two doses of vaccine in the locality.
- Segregation of solid waste and appropriate disposal has become a regular practice in households of Chennappa Chetty Pudur through the efforts of NSS unit and sustainability cell.
- More than 2300 HSC school students and diploma holders benefitted from the skill development training in various sectors.
- NSS volunteers Mr. N. Muhesh Kumar, CSE, and Ms. V. Vishmiha, ECE received the "Best NSS Volunteer Award" from Anna University Chennai for AY 2020-2021.

Students involved in community services develop a deep sense of responsibility and gratitude towards society. Working outside the college campus with diversified social groups allows students to gain more self-confidence and autonomy which helps students to become good leaders as well as well-formed citizens.



Extension activities in the Neighborhood Community by various Citizen Forums

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Jansons Institute of Technology bestowed with awards, recognitions, appreciation and note of gratitude from various government and government recognised bodies for its committed services towards neighborhood community via extension and outreach activities.

Awards and recognitions for extension activities from government bodies

- Certificate of Appreciation from Government of India - NIPAM for exceptional contribution towards “Widespread Awareness on Intellectual Property Rights” in 2022 and 2023.
- Institution received appreciation from Vigyan Prasar and Tamilnadu Science and Technology Center for its continuous contribution towards Science and Technology Promotion in Rural India in 2022.
- Certificate of Appreciation from AICTE - TERRE Policy Centre for efforts towards combating climate change and sustaining environment for future “Not Zero - Net Zero” in 2021.
- "Best NSS Volunteer Award" from Anna University Chennai for AY 2020-2021 received by NSS volunteers Mr. N. Muhesh Kumar, CSE, and Ms. V. Vishmiha, ECE.
- Certificate of Appreciation from AICTE - ESF for conducting “Energy Literacy Drive” and reaching out to more than 500 students in 2020.
- Jansons Institute of Technology, recognised as a “Distinguished Institution” by Vigyan Prasar, an autonomous organization under the Department of Science and Technology for the institution's contribution in extension activities that help elevate science education as a national priority in 2019.
- Certificate of Appreciation was awarded by AICTE for Jansons Institute of Technology's significant contribution to the "One Student One Tree Initiative " in 2019.

Awards and recognitions for extension activities from government recognised bodies

- Certificate of Appreciation from Vigyan Prasar, Department of Science and Technology, New Delhi for organising “National Science Day Competitions-Drawing and Quiz” as a part of the celebration of the “The National Science Day” and 75th year of our Independence in 2022.
- Certificate of Appreciation was awarded by Royal Care Super Speciality Hospitality Limited, Coimbatore for outreaching the resources as COVID CARE CENTRE (CCC) FOR ISOLATION during the pandemic period in 2021.
- Award of Recognition for Community Reach during 2022 Azadi Ka Amrit Mahotsav from Ariviyal Palagai.
- Certificate of Appreciation from Nehru Yuva Kendra, Coimbatore for conducting “Workshop on Skill Development for Polytechnic Students" in 2018, 2019 and 2020.
- Certificate of Appreciation from District Institute of Education and Training (DIET) for supporting Two Days Training on Free and Open Source Software for Government School Teachers in 2019.
- Certificate of Appreciation from Rotary, Somanur for Organizing Education Awareness Camp for Higher Secondary Students of Government Schools in Tirupur District in 2019.
- Certificate of Appreciation from Rotary, Somanur for Organizing Free NEET and IIT-JEE Coaching Classed for Rural School Students in 2016,2017,2018 and 2019.
- Certificate of Appreciation from Galileo Science Club, Tamilnadu for conducting One Day Science Workshop on HAM Radio Disaster Management and Satellite Communication for School Students in 2018.
- Certificate of Appreciation from Tamil Nadu Science Forum(TNSF) for the conduct of Thulir and Jantar Mantar Science Quiz in 2017, 2018 ans 2019.
- Certificate of Appreciation from Tamil Nadu Science Forum(TNSF) for the excellent support for organizing and hosting 25th and 26th National Children’s Science Congress(NCSC) in

2017 and 2018.

- Certificate of Appreciation from Galileo Science Club, Tamil Nadu for conducting One Day Science Workshop on HAM Radio Disaster Management and Satellite Communication for School Students in 2018.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 142

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
42	21	26	28	25

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration

3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 145	
File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The Institution encompasses a well maintained lush green campus spread over 13.61 acres of land ensuring adequate availability and optimal utilization of physical infrastructure for teaching learning activities. The exemplary Institution aims to offer all possible cutting-edge technological advancements to impart quality value-based Technical Education.



Facilities for Teaching - Learning

Facilities for Teaching - Learning

Classrooms

The College has a sufficient number of well-furnished, well-ventilated, spacious & fully air-conditioned Lecture halls (classrooms) equipped with LCD projectors and ICT tools to promote Innovative teaching-learning process. The entire campus is Wi-Fi enabled with 24/7 internet facilities to cater the needs of all the stakeholders.

Laboratories

All laboratories are well equipped with state-of-the-art equipment's and facilities as per AICTE and AU norms. These laboratories are used to conduct practical classes as well as for technology learning & training in order to educate content beyond the curriculum. Labs have sufficient licensed software and open-source tools to cater the requirements of curriculum & industry enabled teaching.

ICT Infrastructure

The institution has adopted various measures to raise the level of digital consciousness and competency of the students to acclimatize them to the contemporary digital environment. The lecture halls are well furnished with a Computer, LCD projector and audio system with internet connection which facilitates a world-class teaching environment to enhance the knowledge of the students. The Learning Management System (LMS) is driven by JiT eEDU (Moodle), which enables a Flipped Classroom approach to deliver a consistent learning environment. The institution offers ICT facilities and online resources to students for learning anytime anywhere.

- JiT eEDU LMS
- JiT eEDU Cloud
- JiT eEDU JupyterHub
- JiT eEDU RStudio
- JiT eEDU GitLab
- JiT eEDU VPN services

Central Library

The Central Library spans around 558 sq.m with inclusive reading spaces stacking upto 3943 titles covering all major fields of Science and Engineering. Digital library houses a centralized collection of digital learning resources which provides a seamless learning experience for the students.

Incubation Space

The Institution renders an inclusive incubation space for student scale-ups to reconcile their studies with their entrepreneurial adventure. The innovative business models are supported with incubation facilities at JIIT-Centre for Innovation Incubation and Entrepreneurship, where the incubates are motivated to attain the highest levels of technology, manufacturing, and investment readiness and to integrate with the Indian startup ecosystem.

Facilities for Cultural and Sports activities

The Institution is proactive in providing facilities for students to participate in Co-curricular and Extra-curricular activities in various ways. The Auditorium is a gallery-type seating for 459 persons, with a well-crafted decor, lends a professional touch to this august structure. The College has a dedicated music club to train students and excel in composing new tunes. The College has a seminar hall used for conducting national/international events and a jumbo size drawing hall with 150 seating capacity.



Facilities for Cultural and sports activities

Gymnasium

The Institution provides a well equipped gym in both girls and boys hostels to build their stamina and encourages the students about the value of being physically active.

Yoga center

A Yoga Hall with a soothing ambience is offered to shape their energies in a healthy way and also hone their physique.

Facilities for Sports

The Institution offers bountiful amenities for the students to rivet with the various sports activities both outdoor and indoor games under the guidance of a qualified full time physical director.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2 Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 25.97

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
41	65	44	68	192

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

The Institution's library acts as an avenue for students to take an educated detour into the world of engineering ideas with an area of 558 sq. m. with 180 seating capacity. An array of print and electronic resources is made available to satisfy the curricular needs of the JIT community. It also houses a Digital

Library with a reservoir of electronic book collections, printers, and scanners which enables the students to avail of the reprographic services. Central Library provides abundant information and intellectual requirements to the students and faculty both physically and virtually. All the library operations are supervised by the Library Advisory Committee (LAC).

Integrated Library Management System

The library is automated through Koha – a full-featured open-source integrated library system. Koha is a web-based ILMS, with a SQL database back end with cataloging data stored in MARC and customizable Web-based Interfaces. The software version of Koha is 22.05 with the following features:

- Various Web 2.0 facilities like tagging, comment, social sharing, and RSS feeds
- Union catalog facility
- Customizable search
- Online circulation
- Barcode printing
- Patron card creation
- Report generation
- Patron registration form through OPAC

Subscription to e-resources

Subscriptions are made for e-journals and e-magazines every year like ICTACT, ICI, IEEE, IESTC, NDLI, World eBook Library, MAT Journals, and Enriched e-Journals. JIT is one of the Institutional members of DELNET and J-GATE.

DELNET and J-GATE maintains an online union catalog of Books, Journals, Theses, Dissertations, Video recordings, and Periodicals which encourages the users to explore the networked library/knowledge resources offered through DELNET in a feature-rich environment. The Institution is the active data contributor of 14026 library records for enhancing the best practices – Data Sharing and Accessibility among the scholarly community among the DELNET Member Institutions. The Institution has also collaborated with DELNET Vision portal by contributing the subject experts video lectures to support the initiative “DELNET Best Practices for Subject Matter Experts Knowledge sharing” to strengthen the knowledge hub.

Expenditure on the purchase of Library resources

The library facilities are strengthened every year through continuous procurement. The procurement process includes the mechanism of obtaining feedback from the LAC members on the purchase of titles and volumes of the books. Annual Stock verification of library books is being conducted regularly.

Usage of Library

The Central Library is automated through Koha Integrated Library Management software version 22.05, which acts as an interface for the students to impart knowledge in emerging areas through integrated learning resources. Library user's entry and exit details are monitored by scanning their barcode-enabled ID card at the Gate Entry of JIT Central Library.



Infrastructure of JIT Central Library

Recognition

- Certificate of Appreciation from DELNET "Best Practices - Data Sharing and Accessibility" for contributing Jansons Institute of Technology Library's library records to the DELNET Discovery Portal.
- Certificate of Admiration for "Adopting Best Practices for Enhancing Subject Matter Experts (SMEs) Knowledge Sharing" from DELNET for sharing 267 recorded video lectures made accessible 24/7 through DELNET online services - ViSiOn Portal for all members.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

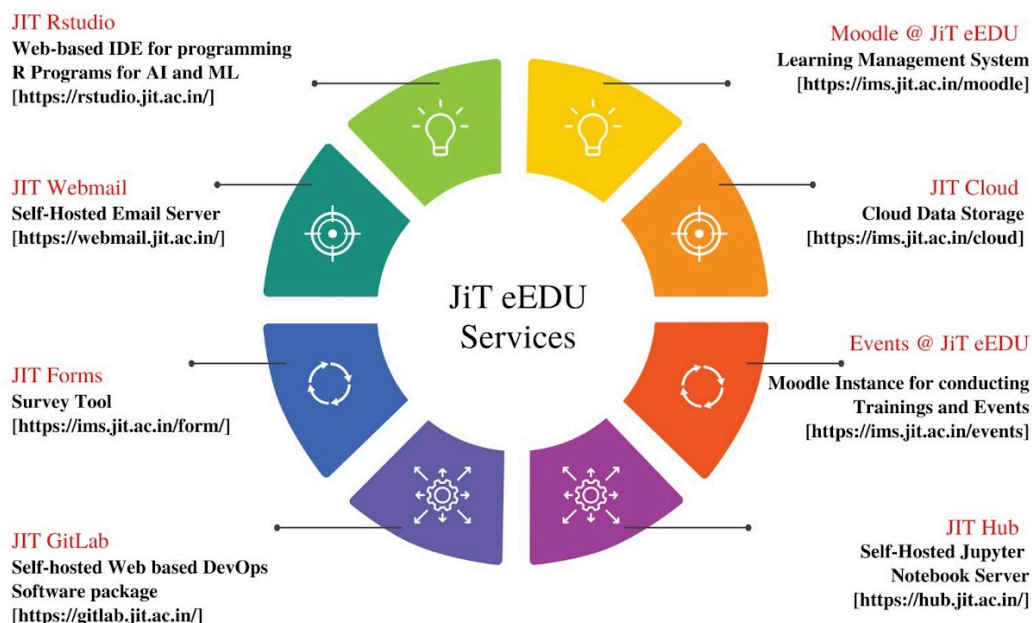
4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection *Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

Response:

IT Facilities

The IT infrastructure and resources are updated and upgraded continuously as per the requirements and changing technology. All the IT resources and contents are available to all the faculty and students from their desk as well as anywhere-anytime over internet & campus network. These facilities are offered by JiT eEDU which hosts (in-house) Clusters of Linux servers to provide services such as Moodle@JiT eEDU (Learning Management System), Centralized Cloud Data Storage, Koha ILMS, etc. These services are connected with Internet via 100 Mbps Leased Internet Connectivity (Airtel) and inside the campus via Campus Area Network, interconnected with high-speed Ethernet links operating over optical fiber and Gigabit Ethernet.

JiT Hub Server (<https://hub.jit.ac.in/>) which is capable of computing the following languages simultaneously such as Bash, C, Gnuplot, Julia, Octave, Python 3, R and SoS. JiT RStudio Server runs on a remote server and allows accessing RStudio using a web browser and offers an integrated development environment for R, a programming language for statistical computing and graphics. In both, JiT Hub Server & JiT - Rstudio, all libraries essential & required to run Machine Learning Algorithms have been in-built by-default, thus students shall write and execute the programs on the fly from any modern browsers. JiT eEDU has a web server where the college domain 'jit.ac.in' is hosted inside the campus without any outsource.



JiT eEDU services

Internet Connection - Bandwidth

The Institution has massive information technology facilities including the internet connection leased line with 100 Mbps bandwidth spread over the campus to have the hassle-free internet connection and they are

updated frequently whenever there is a demand. The Wireless Fidelity across the institution are enabled through the deployment of secured 802.11 2.4/5 GHz based wireless access points with centralized authentication to allow secure network access through laptops and Wi-Fi enabled devices.

IT Security and Maintenance

Network inside the Institution is secured using Sophos Firewall (NAT) through which all data transfers into the internet. McAfee antivirus is installed to protect the system against the malicious virus. Sophos Firewall is provided to prevent unauthorized Internet users from accessing private networks connected to the Internet, especially intranets. A panel of internal staff is owed to take care of all the IT needs of the campus such as Software, Hardware, Website Maintenance, Email, etc. All the JiT eEDU Servers are active inside the college campus under the maintenance of Information Management System. These servers are protected by the Sophos firewall and it is redirected with the subdomains. Through Intrusion Prevention control, NAT and DNAT features in firewall the Web servers and all other servers are secured.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 2.47

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 382

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Percentage expenditure incurred on maintenance of physical facilities and academic support

facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 25.72

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
73	32	102	101	98

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 88.12

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
908	891	580	722	792

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	View Document
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	View Document
Upload policy document of the HEI for award of scholarship and freeships.	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.2 Following capacity development and skills enhancement activities are organised for improving students' capability

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 54.3

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
674	308	382	405	630

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4 *The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases*

- 1. Implementation of guidelines of statutory/regulatory bodies**
- 2. Organisation wide awareness and undertakings on policies with zero tolerance**
- 3. Mechanisms for submission of online/offline students' grievances**
- 4. Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 91.9

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
183	256	127	276	338

5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
219	287	136	289	353

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 35.58

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2021-22	2020-21	2019-20	2018-19	2017-18
6	5	3	11	12

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one)

during the last five years

Response: 40

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
13	2	10	9	6

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 36.2

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
49	17	36	37	42

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of

the institution through financial and/or other support services

Response:

Alumni Association

Jansons Institute of Technology (JIT) Alumni Association has provided excellent opportunities for Alumni to share their experience of a well-equipped and inclined learning environment with juniors about the Institution. It serves as an interface for connecting alumni, faculties, and students. JIT ALUMNI ASSOCIATION was inducted during 2013-2014 academic year and registered on January 4, 2022, under the Tamil Nadu Societies Registration Act, with the Sl. No.: SRG/Coimbatore/3/2022.



Various activities organised by Alumni Association of JIT

Alumni Contributions

Most of the alumni are well placed and are successful in their careers as Entrepreneurs, Employees at various levels, doing post-graduation courses, skill developers, etc. Alumni share their views with their juniors and give their suggestions for the betterment during Alumni meetings. Many of our alumni are serving in various countries in pursuit of either higher studies or employment. Alumni interactions help

juniors to get useful awareness about the opportunities and challenges ahead of them. Apart from this, the alumni during their visit to the institution deliver guest lectures on career guidance in their areas of expertise. Alumni Entrepreneurs give preference to their juniors for both internships and job opportunities. Our Institution has signed MoU with companies like Sparkout Technologies, Brinn Tech and so on that are owned by our alumni. Students are recruited and have undergone internship programs in their companies.

Placement and Career Guidance through Alumni Interactions

Alumni from various departments suggest valuable inputs to aspiring graduates. They are invited as resource persons for various events, guest lectures and to deliver motivational speeches. They share their experiences regarding skills, recent technologies, and industrial requirements and trends in the corporate world, application of knowledge, and corporate working culture. They assist and guide the students to crack the interviews. They also share their experience with the students and motivate them for their career development in various domains.

Alumni Meet

In connection with the alumni association JIT ALMA CONNECT, Alumni students have their regular meetings to share their experiences as Entrepreneurs, Skill developers, Industrial experts, and so on. Through this association alumni provide financial support to the institution periodically.

Courses Offered based on Alumni Feedback

Alumni feedback is collected periodically and their suggestions based on industry requirements are enhanced by conducting various technical courses in addition to the curriculum. Some of the topics include,

- Blockchain technology and real-time applications
- Role of big data analytics in smart grid
- IoT and AR for Mechanical Engineers
- Fundamentals of project management

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 *The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

Response:

Jansons Institute of Technology guided by its motto, “the most preferred destination for Technical Education”, takes every effort to create opportunities for the students for their professional development with the inclusion of value-added courses apart from the curriculum. JIT employs the finest brains in Technical Education as its faculty to lead its students to fruitful learning.

Vision

To germinate and develop a unique brand of Engineers who will be change agents in the field of Technology

Mission

- To impart quality and value-based Technical Education
- To prepare and strengthen young minds for future calling.

Nature of Governance

The institution has a strongly outlined organization culture, and different decision-making committees, including the Governing Council, IQAC, Department Academic Council, Grievance Redressal Committees, and others, through which the governance flow further to Hod's, faculty, Class Representatives, and students to implement and monitor the academic and administrative matters of the institution.

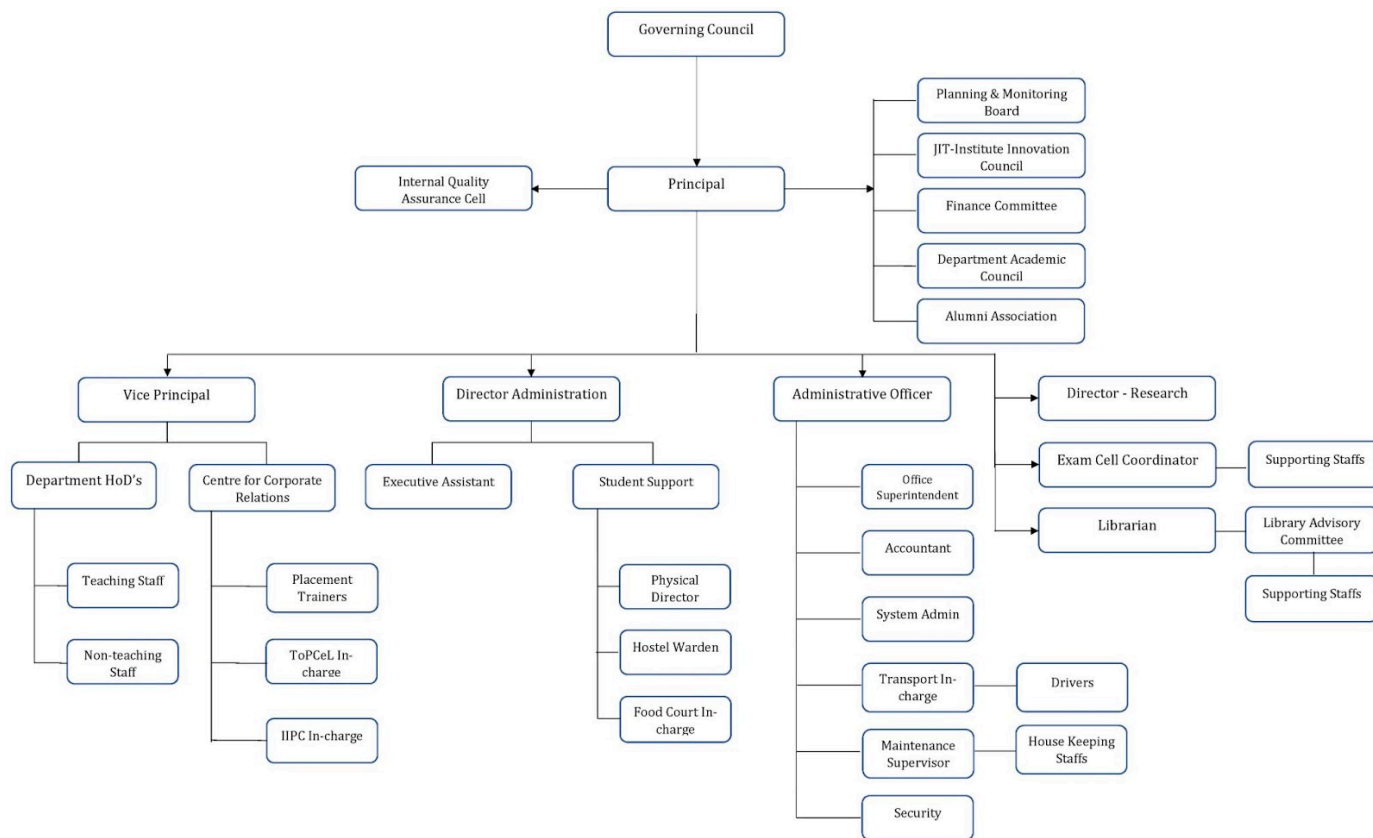
Governing Council

The Governing Council of the Institution effectively oversees the execution of its vision, mission, and strategies. The Institute's GC was formed as per AICTE norms. Governing Council is convened twice a year to assess the progress of the institute, ratify the recommendations of the Internal Quality Assurance Cell (IQAC) and Department Academic Council (DAC), examine and review academic and non-academic activities and address all policy-related concerns to the appropriate authorities for implementation.

Participation of the teachers in the decision-making bodies - Decentralization

JIT promotes and practices a participative decision making and decentralization pattern with its quality policy in all academic and administrative activities. It has various academic and administrative committees to monitor the plan and execute the smooth functioning of the Institute. Specific roles are assigned to various faculty members. The Governing Council has empowered the Principal for the smooth functioning

of all academic activities, intellectual growth, and research pursuits. Power and authority are further delegated from the Principal to all HODs of various departments in academic and administrative work about their respective department. HoDs along with faculty members are empowered to decide on various activities of the department and also various committee/club/house chairpersons so that they can get involved in decision-making.



Organogram of the Institution

Perspective Plan

A prospective strategy developed from the stated vision and mission of the Institute is to attain Autonomous status by 2023 by achieving the Strategic Plan's goals and objectives. It focuses on acquiring all qualifying UG programmes recognized by NBA, and NAAC Accreditation with A++, aiming for NIRF ranks in the top 200, ARIIA ranking, and sustaining placement rates of 95% or higher.

NEP Implementation

The institution has prioritised the areas envisioned in NEP2020.

- Implementation of Value Education by introducing Universal Human Values courses as per AICTE model curriculum.
- Various skill enhancement training and certification programmes are organised in collaboration with industries such as Google (GDSC), AWS Academy, Intel oneAPI, IIT Bombay (Spoken Tutorial), Infosys Springboard, Google Crowdscore, Hack2Skill, Red Hat Academy, UiPath Academic Alliance
- Promotion and adoption of Indian Knowledge System via Tamil Mandram. Students undergo IKS internship. Faculty members are involved in translating the NPTEL/SWAYAM lectures to regional

languages. In this regard faculty members received certificate of appreciation from SWAYAM.

- To enable credit transfer for online courses, the institution has registered in NAD portal. All students are encouraged to take up a online course from approved MOOC platforms.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 *The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

Response:

Administrative Setup

The Governing Council takes policy decisions admiring the academic and administrative affairs of the institution. GC dedicated itself to leading the development and execution of the institution's long-term and short-term strategies, managing the overall operations and resources of the institution. The Principal is the Head of the Institution and suggests recommendations to the management regarding student and staff progression. Principal takes utmost care for the smooth functioning of the academic system and enhances the standards of education by providing an outstanding, creative and participative learning environment in the institution. HoDs are responsible for executing the Academic Plan of the department. HoDs make decisions concerning department affairs. Faculty embrace their positions like Class Advisors, Mentors, Course Coordinators, and so on. HoDs are responsible for effective curriculum affairs and address the grievances of students if any. The administration team makes decisions regarding the entire administrative transactions of the institution. The placement officer's duty is to conduct a placement training program that meets the requirements of the recruiters and arrange on and off-campus placement drives. Librarian is responsible for the acquisition and provision of library resources and ensures it meets the needs of all its users.

Promotion Policy

The objective of the promotion policy is to recognize and reward, merit and competence. It improves organizational and functional effectiveness. At the end of every academic year, a performance appraisal is conducted for all faculties. The self-appraisal form is filled in by all faculties, with endorsement by the Head of the department. The performance appraisal is conducted by a panel consisting of the Vice-Chairman, Principal, and the IQAC coordinator. The performance of the faculty is assessed based on the Anna university results produced in the subjects handled by them, the feedback received from students, participation in workshops, paper presentations in national/ international conferences, paper publications in national/international journals, projects guided, Research project proposals and approval, patents, self-up-gradation activities and the faculty's involvement and contribution in student/department/ institution level

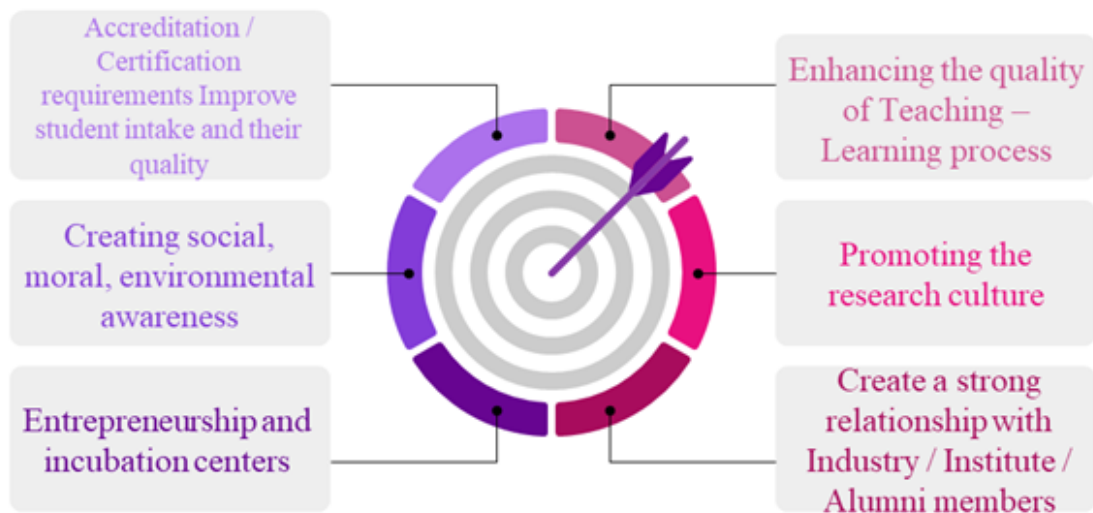
activities. A Committee constituted by the Management will consider the cases of such promotions and will forward them for the approval of the Governing Council.

Grievance Redressal System

The grievance redressal system in the College aim at providing a channel or avenue by which any aggrieved employee may present his grievance; providing a procedure that ensures that there will be systematic handling of every grievance. It also aims at providing a method by which an aggrieved employee can relieve his/her feelings of dissatisfaction arising out of various factors.

Strategic Plan

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. It also lists out the strategies to achieve each and every goal of the institute.



Strategic Goals of JIT

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

6.2.2 Institution implements e-governance in its operations

- 1. Administration**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examination**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

Welfare Measures for Teaching and Non-Teaching Staff

Teaching Staff

- All the non-doctoral faculties are encouraged to get enrolled in Ph.D. programs at various Universities.
- Providing extensive on-duty to pursue Ph.D. and Research Activities
- Financial Support for attending conferences, workshops, and FDPs in their field of interest.
- Knowledge up-gradation through conducting professional development /administrative training programs organized by the institution
- Staff members are covered under group Insurance with life cover and accident cover up to 1 Lakh
- Providing extensive casual leave for valid reasons
- Maternity leave for one year and further may extend for another 6 months if needed by the faculty.
- Providing food for faculty in the college hostel mess at a nominal price
- Providing transport facility at a subsidized fare
- Providing accommodation in the hostel at a nominal cost
- Subscription to Employee Provident Fund and Pension Schemes
- Special leave for religious festivals
- Faculty can avail winter 7 days and summer 14 days of vacations
- Blazers for all lady teaching staff for comfortable teaching
- WiFi-enabled campus.

Non-Teaching Staff

- Knowledge up-gradation through administrative training programs organized by the institution
- Free uniform for class IV employees like drivers, housekeeping staff, maintenance, canteen, and gardeners.
- Lab coats are provided to the lab instructors and lab assistants.
- Employee Provident Fund.
- Providing extensive Casual Leave for valid reasons
- Can avail winter 7 days and summer 14 days of vacations
- Free transport and providing free food in the college hostel mess for office staff and technical staff at a subsidized cost.

Performance Appraisal System

The institution has a well-defined performance evaluation system. The evaluation system is implemented effectively and progress in all parameters is assessed periodically.

Faculty performance appraisal system

Part A & B– Teaching-related activities

- Teaching Load
- Maintenance of Records
- e-learning Content Development
- UG / PG / IF Project
- Supporting slow learners and conducting special classes
- Results in University Exams.
- Winning in International / National Competitions

Part C – Involvement of faculty in research-related activities

- Research Guidance (M.S. / Ph.D.)
- Patents / Commercialization of Innovative Technologies
- Startup
- Research Output [Period to be used 1st June to 30st May]
- Motivating students to do research
- Event viz., STTP / WS/Intl Conf / Natl Conf. / FDP organized.
- Funded Projects
- Consultancy / Training (earning revenue)

Part D – Activities relating to institution building

- Mentoring / Counseling
- Involvement in Departmental Activities
- Involvement in Institution Building Activity
- Contribution toward society
- Faculty training

Part E – Student Feedback

- Odd semester feedback
- Even semester feedback

Based on the above-mentioned parameters faculty performance is evaluated and promotions, salary increments, allowances, perks, awards, and rewards are provided to the faculty.

Non-teaching staff performance appraisal.

Part A - Professional Competency

- Knowledge of rules, regulations, and procedure
- Ability to organize work and carry it out
- Ability to learn and perform new duties

Part B - Performance

- Maintenance of Files/Records
- Accuracy & Speed of work
- Completion of work on schedule

Part C - Personal Characteristics

- Attendance
- Punctuality
- Discipline
- Integrity and behavior

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 70.87

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
70	64	65	87	79

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 78.85

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
97	99	103	119	115

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
31	35	30	32	33

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Mobilization and optimal utilization of resources

The Institution has a transparent and well-planned financial management system in which students, government, and management are the main sources of funds. The Resource mobilization policy focuses on achieving the goals and targets of the institution ensuring accountability and transparency. The harmonized Governing Council coordinates and monitors the optimal utilization of the funds for the promotion of a learner-centric ecosystem. The Institution is a centrally managed non-profit organization with honorary governing council members which ensures the income generated is spent optimally in the institution itself. A financial department is in place to manage the funds. Funds are provided to meet the infrastructure requirement of the institution while starting new programmes and centers. The management provides financial support to seminars/workshops/expert talks/association activities/faculty development programmes. The extracurricular activities of the students are prioritised and adequate funds are provided for sports and cultural activities. Scholarships are granted to deserving students. Provident fund(PF) benefits are provided to the management-appointed staff.

The financial resources of the institution are

- Tuition fee
- Hostel fee
- Government funds/grants
- Alumni contribution

Tuition fee is used for the infrastructure and academic activities. Government funds and alumni contributions are optimally used for which the amount is granted. Transparency and accountability are

ensured by conducting an annual audit.

Financial audit System

The institution performs both internal and external financial audits through the Chartered Accountant. The Finance Committee hears the audited financial statement. In addition to the above, the administrative officer and his colleagues perform regular audits of the College's accounts. Every bill supplied by faculty members and the institution was also audited and validated. The institution takes great care to double-check all bills and expenses related to academic and physical facilities maintenance. The expenses are audited by both internal and external auditors.

Every year, the institution's finance committee verifies expenses and proposed income and expenses before approving them for implementation. Internal auditing is the process of approving expense bills, which are reviewed and maintained at three levels. Every department should seek permission from the Principal before incurring any expenses. Once the expense is completed, the bills, along with the Statement of Expenditure in the appropriate format, must be submitted to the Principal for approval. The principal will audit the expenses, authorize the bills, and transmit them to the accounts department for further process.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

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. The established QMS has nine process manual from administration to quality assurance. The method of communication, monitoring, responsibility, and control measures of all process is defined and the same is effectively implemented and monitored by IQAC.

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. Delivery of course content its effectiveness and timely completion of syllabus is monitored through class committee meeting, which is conducted every month before the commencement of CIA exams. Actions against deviations are planned and progress is monitored in subsequent class committee meetings. Academic

progress of mentees is monitored and reviewed by mentors in mentor ward meeting. The planning of course content delivery and quality of deliverables is reviewed by respective Head of Department and the progress is monitored fortnightly and recorded in class record. Course Committee Meeting is formed when a course is offered to more than one programme to ensure uniform delivery of curriculum. The progress of such courses is monitored by the course committee meetings.

Feedback on course is collected by Institution Feedback coordinator twice in a semester. The feedback is analysed by the feedback coordinators and HoD of respective Department and corrective/improvement actions are recommended and the progress of the same is monitored. Apart from feedback on courses, stakeholders' feedback on curriculum is also collected, reviewed and actions against recommendations are initiated based on the comments of Department Academic Council/Governing Council. The attainment of course outcomes is assessed by respective course faculty and class advisor. Level of course attainment and programme attainment are discussed in the Department Academic Council and improvement suggestions are recommended and the same is implemented. Internal Audit is conducted twice in an academic year at the end of each semester to review the academic and supportive activities. Deviations are identified and corrective action is initiated and the progress of such initiations are verified in next internal audit.

All the activities pertaining to teaching learning process and its support activities are communicated to IQAC periodically and the progress of all recommended improvement actions are monitored and verified by auditors at end semester internal audits. IQAC has initiated and implemented Examination reforms and Student Induction Program. Examination reforms is implemented for the achievement of objectives and program outcomes are crucial and needs to be proven through accurate and reliable assessments. Student Induction Program is implemented at Jansons Institute of Technology , the 3-week Student Induction Program (SIP) is to prepare newly admitted undergraduate students for the new stage in their life by facilitating a smooth transition from their home and school environment into the college and university environment through various discussions and activities. 43 faculty members are trained and certified by AICTE as UHV-I mentors. 24 faculty members have completed UHV-II training organised by AICTE.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
2. **Academic and Administrative Audit (AAA) and follow-up action taken**
3. **Collaborative quality initiatives with other institution(s)**
4. **Participation in NIRF and other recognized rankings**
5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years. Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Gender Equity

Jansons Institute of technology ensures adequate measures to establish gender equity within the institution. It acknowledges that each individual is unique and takes the responsibility of providing equal opportunity without discrimination. The gender balance among the students is analysed by the initial gender audit during the admission process. The Internal women caring cell (IWCC) analyses the gender gaps and recommends ways of addressing them through the annual gender sensitization plan and activities.



Facilities at JIT offering a safe environment to work and learn

Facilities for safe working environment

- 24x7 CCTV/Cameras cover the entire campus and pathways in the institution.
- Security guards are deployed at notable places in JIT
- Effective counseling to address gender sensitization issues by the mentors.
- Separate common rooms for boys' and girls' students.
- Separate playground for girls
- Separate gym for girls in hostel
- Separate dining area for dayscholar girls
- Blazers for women faculty and overcoat for female workers
- Gated girls hostel within the campus

Sensitization in curricular and co-curricular activities

The students are sensitized on gender equity by offering subjects related to women in curriculum. Apart from it, education on human values through the student induction program helps the students to understand importance of equity.

The irrational gender bias that women and girls are routinely subjected to on gender-sensitizing issues is addressed by IWCC. Apart from it, the IWCC looks into the overall upliftment of the women's community inside the campus by organizing co-curricular activities like invited lectures and competitions.

The genre of events organized viz., women empowerment, women in entrepreneurship, women's rights, health, and hygiene-related to women. It conducts various competitions exclusively for girls to build up their personality and confidence. Special attention is given to women's health and separate yoga sessions, mental health sessions are conducted for them. Women are motivated to actively participate in social service through NSS, YRC and other club activities. The measures effectively mold the girls to perform well in their leadership roles and achieve laurels and recognition from several organizations.

Women Empowerment

The working environment at JIT respects all employees with respect and dignity. Women faculty members are motivated for their professional development and encouraged to pursue higher studies. Key lead decision-making roles are played by women based on their experience and expertise.

As a measure of gender equity, equal participation of both genders is encouraged in the classroom, The responsibilities and leadership roles are equally distributed as class representatives, lead roles in houses, class committee members, club representatives, technical society representatives, etc. Placement opportunities are given without any gender bias and every year 85% of women are placed apart from their constraints.

International women's day and World girl child day are celebrated every year in the institution to commemorate women. Motivational lectures from Women technocrats and entrepreneurs inspire the girls to break the hidden barrier and bring out their skills.

JIT through its gender equity measures generates an inclusive nature among the students and helps to evolve collective growth among the students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

Jansons Institute of Technology has taken initiatives to establish an inclusive environment within the institution to promote tolerance towards cultural, regional, linguistic, communal, and socio- economic differences.

Harmony towards culture

The institution celebrates cultural festivals and organizes cultural fest to develop harmony towards culture among students. JIT UTSAV the cultural fest platform devised to exhibit the hidden talent of the new budding aspirants makes them blend with the JIT family. The Annual day celebrations and other cultural celebrations like Pongal, Onam, Ugadi provide opportunities for students from different cultural backgrounds to actively participate in the programs and present their cultural folk songs and dances thus nourishing cultural diversity.

Harmony towards regional and linguistic

Students from different states of the country pursue their degree programmes at JIT. The linguistic barrier is overcome by upholding the medium of instruction in English. To help the other state rural background students and parents to have effective communication, exclusive faculty and warden knowing their vernacular language has been allocated. The celebration of Mother Language Day, the conduct of competitions in the vernacular language, and teamwork among the students help to overcome linguistic diversity.

Harmony in communal socioeconomic differences

The teamwork established through the JIT Institutional houses - an amalgamation of students from

different backgrounds provides an effective pathway for the development of harmony towards communal and socioeconomic differences. The Value Education- SIP cell is dedicated to bring out an inclusive environment through its value education programs, seminars, and activities organized for students. The IWCC cell works to remove gender differences through its initiatives.



Various activities at JIT promoting tolerance towards cultural, regional, linguistic, communal, and socio- economic differences

Sensitization towards constitution obligations

Jansons Institute of Technology has exclusive clubs like NSS, VE-SIP cell, Electoral club, Consumer club, YRC, RRC, and sustainability cell that inculcate the values, duties, and responsibilities of citizens through its activities. Independence day and Republic day are celebrated in the institution every year to enrich patriotism. The duties and rights of the citizens are reiterated through seminars conducted by NSS during the commemoration of National Voters day, seminars on Consumer rights, Road signals and safety, anti-ragging, and grievances. The responsibility of preserving nature and energy conservation was inducted through celebrating world earth day, world environment day, world forestry day, national pollution control day, swachh bharat abhiyan, etc.



Sensitization activities at JIT towards constitution obligations

JIT with the motto of providing holistic education strives to build human values in the students and the faculty team. Totally 43 faculty members are trained and certified by AICTE in Universal Human Values I (UHV I) and 24 faculty members are trained by AICTE in Universal Human Values II (UHV II). The trained team of mentors inculcate the human values in students through mentoring and programs on human values, personality development, women empowerment, etc. YRC club sensitizes the students on health and values through promoting the activities conducted by the government. The student and the faculty members have showcased active participation in international yoga day, FIT INDIA Challenge, FIT INDIA patriotic run and so on. Thus JIT extends its arms to nurture the overall development of the students by providing an inclusive environment with responsibilities and values for holistic education.

File Description	Document
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7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Among the various best practices adopted and evolved at the institution the following are described below.

1. Ingenious Innovative Ecosystem for Value Creation
2. Industry Connect

Ingenious Innovative Ecosystem for Value Creation

1. Title of the Practice

Ingenious Innovative Ecosystem for Value Creation

2. Objectives of the Practice

- To explore the system of establishing ingenious innovative ecosystems in the higher education institution
- To familiarize idea generation, concept development, prototyping, pitching the ideas, among the students
- To improve the innovation index of the institution

3. The Context

- To inculcate the mindset of innovation in aspiring young engineers.
- To help the students to be technology ready to become a successful innovators
- The science-led innovation programs are devised by the Institution innovation council.
- The technical clubs and technical societies of JIT render their support to develop disruptive technologies useful for mankind.

4. The Practice

The institution innovation council of JIT along with IQAC designs the framework to achieve the innovative ecosystem within the institution. The guidelines of the MoE –Innovation cell are very much assistive in establishing a culture of innovation within the institution. The activities of the technical clubs and technical societies are well planned along with the academic calendar to continuously foster the innovation ecosystem within the institution.

Innovation Ambassadors

The faculty members are trained as innovation ambassadors and are certified by the MoE innovation cell. 11 faculty members are trained as innovation ambassadors and conduct sessions related to innovation. The students are introduced to the start-up culture through the Startup policy of JIT.

Elective and Add-on courses

The elective courses in the curriculum about entrepreneurship and IPR and courses on design thinking, patent drafting are provided to the students to enrich their knowledge in the domain.

Role of Clubs and Societies

The clubs arrange motivational sessions, conduct field visits to fablabs for problem identification. JITATHON, DEMO day, and idea contests are conducted for students to exhibit the TRL level. The conversion of idea to prototype is achieved by arranging skill development programs. The developed proof of concept is validated and the institution supports pre-incubation, incubation, and startup. Thus the students are motivated to convert to startups and entrepreneurs.



Institutional bodies collectively forming the innovation ecosystem of JIT

5. Evidence of Success

- The institution's team participated in the Onion Grand Challenge and recommended developing a proof of concept with the financial support of Rs.75,000/- provided by the Ministry of Consumer Affairs, Food and Public Distribution.
- The Institution's Innovation Council of JIT is rated four stars, the highest rating for the 2021-2022 academic year, by the Ministry of Education. the institute successfully participated in the ARIIA ranking.
- The MoE, Govt. of India has entitled JIT in the State Level Consortium of MoE's IICs under the private/self-financed college category. JIT act as innovation mentor for 6 Higher Education Institutions and 5 schools.
- Arathi K Nair and Jenith Ebinesh S won first two places respectively in Cloud Hero – Serverless ML Hackathon. 6 innovative ideas of the students have won funding.
- 53 Proof of Concepts for innovative ideas, developed 25 prototypes of scalable products, 5 startup details have been validated and uploaded to the Yukti portal of MoE.
- 5 start-up ventures have emerged and incubated at JIT-CIIE and 9 patents received funds from the KAPILA scheme.

6. Problems Encountered and Resources Required

- Motivating a larger group of students.

- Access to inputs, business support, mentorship, skills, and infrastructure is difficult

Industry Connect

1. Title of the Practice

Industry Connect

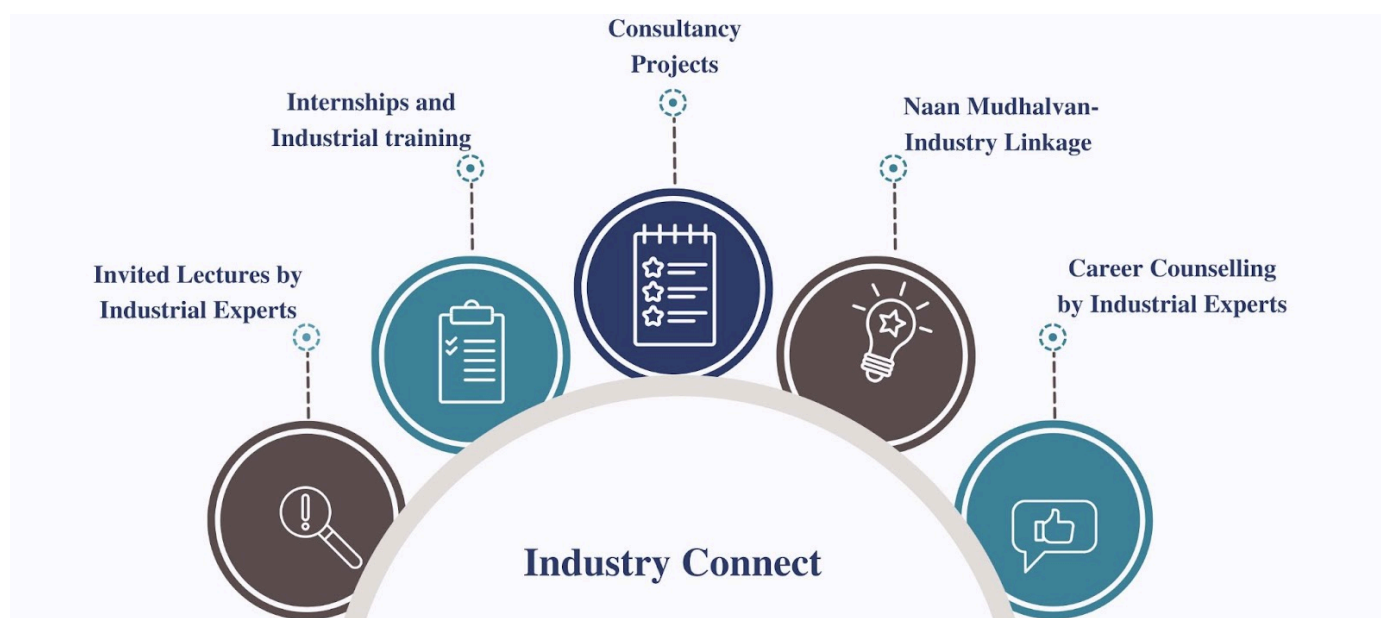
2. Objectives:

- To fill the gaps between the needs of the industry and the curriculum offered
- To keep pace with the trends and disruptive changes taking place in the industry.
- To have exposure to industrial problems and practices
- To deploy academic expertise for industrial problem-solving.

3. The Context

- Lack of substantial integration with industry and higher educational institutions
- Basic research with an inclination towards the industry has been happening in JIT during the past years. However, several basic issues in the industry are not adequately addressed. To offset that lacuna, a strong industry interaction is imperative.
- Collaborative and cooperative research with industry could lead to direct Intellectual Property (IP) generation and or translation into industrial realization.

4. The Practice



Activities organised under industry connect

- Technical lectures by industrial experts help the students to get real-time practice in industries.
- Regular industrial visits help to understand the industrial practices and process.
- Short-term (1 or 2 weeks) and long term internship(2 months) for all the students of II, III and IV year students are arranged

- Faculty members are undertaking consultancy activities to solve the real-time problems faced by the industry.
- Industry practitioners and standards organizations (BIS) conduct codes and standards concepts to our students every year.
- Industry mentors help our students through various entrepreneurship camps.
- Alumni working in industries are invited to deliver technical talks, career counseling sessions, awareness sessions, etc, to improve the bonding of the Alumni to the Alma matter and interactions with the students
- Inclusion of industry experts in all the core committees of the functioning cells/clubs and Department academic councils.
- Collaborating with industries in various activities by signing MoUs with them.
- Effective participation in Naan Mudhalvan, an initiative of government

5. Evidence of Success:

- Industry participation makes students learn from new perspectives and provides greater clarity and has an impact on their placement interviews.
- Internships at IIT Kanpur, "Bharatiya Jnana Samvahini -1, IKS" internship conducted by the IKS Division of the MoE and "KAATRU" project by IIT Madras.
- Students are deployed on prestigious projects by the industry like ELGI, Huawei, ZOHO etc.
- JIT has conducted more than 250+ industrial experts' guest lectures so far. Industry participation in academics has resulted in 7 consultancy projects in the last five years.
- Industry linkages have paved the way for 1726 internships and 150+ companies visiting regularly with attractive job opportunities to our students.
- The impact on the industry connect relates to placements and the placement percentage is consistently above 80% for the consecutive three years.

6. Problems Encountered and Resources required:

- Need to establish rapport in the form of MoUs / tie-ups with top-notch companies.
- JIT has been offering, overcoming the constraints its best with consistent efforts to optimize the Industry Institute partnership through several strategies enabling various initiatives to thrive in the country's quest for technological leadership

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Empowering students through Capacity Building

Jansons Institute of technology accomplishes its vision of germinating a unique brand of Engineers through value based technical education. The students are empowered through various distinctive measures and enriching facilities and are ready to meet the future calls with confidence and ease. The CAPACITY BUILDING INITIATIVE of students is a step towards facilitating the students with the required knowledge, experience and exposure to pursue their dreams. Various measures were conducted to make student self-reliant and independent thinkers.

Academic Support

The institution with its highly qualified and dedicated faculty team provide the required academic support for students to pursue their degrees. The extra hours of coaching has greatly helped the academically weak students to perform well in examinations and they become graduated while stepping out of the institution.

Inculcating Skills

The institution takes every effort to make the student's industry ready. Certified industry readiness courses in the niche areas are conducted every semester. JIT encourages the student community to explore, experiment, and get expertise in the field of engineering and technologies through self-paced learning. JIT actively collaborates with Google (GDSC), AWS Academy, Intel oneAPI, IIT Bombay (Spoken Tutorial), Infosys Springboard, Google Crowdsourcing, Hack2Skill, Red Hat Academy, UiPath Academic Alliance etc. These industry tie-up and linkages (adademy) established helps the students experience the broader areas of machine learning, cyber security, full stack, etc and increases skill capacity in the industrial core domain is developed and the students become self-reliant and efficient team leaders.

Industry Connect

To fill the gaps between the needs of the industry and the curriculum offered and to keep pace with the trends and disruptive changes taking place in the industry an effective industry connection is established with the industries. MoUs are signed between the institution and the industries to have a stronger linkage. Technical lectures by industrial experts help the students to get real-time practice in industries. Regular industrial visits, and industrial projects help the students to familiarize themselves with industrial practices and processes. Students undergo internships and provide solutions to the work assigned during their tenure. Industry mentors help our students through various entrepreneurship camps. Alumni working in industries are invited to deliver technical talks, career counseling sessions, awareness sessions, etc. to improve the bonding of the Alumni to the Alma matter and interactions with the students. The institution has established linkages with eminent institutions and industries such as NIT Trichy, DST-Amrita Technology Enabling Centre, Bharathiar University, Huawei Co. Ltd. (Hong Kong), Bosch Ltd., Factana Computing Pvt. Ltd. for knowledge sharing and research activity.

Innovation Potential

Jansons Institute of Technology nurtures innovation capacity in the students through the well-structured council supported by the technical clubs to help the students to address real-life challenges with innovative solutions. Lecture talks by successful innovators, idea exploration, and pitching, help the students

understand the process of innovation. The innovative ideas and the proof of concept generated by the students are protected through the IPR cell and are successfully registered in the Yukti portal. 53 ideas, 25 prototypes, and 5 startups are registered in the portal. Apart from it, student ideas were funded by the TNSCST projects scheme. In Smart India Hackathon, students reached finals and funding support is received for onion grand challenge.

Inclusive Culture

The JIT institutional house is a significant initiative by the institution that brings the capacity of inclusiveness to the students. The houses offer our students a priceless chance to develop into the very best versions of themselves. The division of the students into five houses makes them work collectively towards the goal of the championship without any socio-economic differences.

The JIT House Championship (JHC) is intended to provide wider opportunities and empower our students allowing them to reach their full potential in all dimensions comprehensively and prepare them for the next phase of their lives. The JHC features composite activities across the realms of academics, sports and games, creativity, and intellect, with options ranging from participating to contributing. The defining parameters mold the students into good leaders, develop inclusiveness, excel in co-curricular and curricular, contribute towards innovation, Entrepreneurship and Research, and practice ethics and human values.

Social Responsibility

Jansons Institute of Technology (JIT) encourages students to involve in social services to facilitate holistic evolution and takes various initiatives to inculcate students to pay attention to social issues and contribute to the community. The institution sensitizes the students on duties and responsibilities through its activities of NSS, YRC, RRC, VE-SIP cell, Sustainability Cell, ELC, and CCC. The students are prepared to meet societal and humanitarian challenges by involving them in various extension activities. “The Bandham” –orphanage visit and the induction of human values through Value Education- SIP cell helps the students to celebrate relationships, value each other and develop communal relations.



Empowering Students through Capacity Building

Outcome

The various capacity-building initiatives empower the students down the verticals and the students are equipped with needed skillsets. The outcome is relished with their achievements, placement records, and their valued deliverables to society.

- About 82% of the students total strength completed their internship in the year 2021-22 and a few notable internships are the “ KAATRU” project by IIT Madras, IIT Kanpur, "Bharatiya Jnana Samvahini internship" conducted by the IKS Division of the MoE.
- 93% of students completed their graduation in the batch 2018-2022 and 84% of the students were placed and 16% of students chose entrepreneurship, higher education, and govt. sector career.
- Team of students (led by T. Sri Rahul Raj) participated and won third prize in Mock Court Competition organised by Citizens’ Voice Coimbatore as a part of consumer awareness held on 26th and 27th November 2022. Ms. Chintarampalli Sravani won best performance award in the Mock Court Competition - Consumer Awareness Activity.
- Sruthi Sree S G, of second year secured first prize in science quiz organised in connection with the celebration of Sir C.V. Raman's birthday sponsored by Ariviyal Sangam.
- NSS volunteers Mr. N. Muhesh Kumar, CSE, and Ms. V. Vishmiha, ECE received the "Best NSS Volunteer Award" from Anna University Chennai for AY 2020-2021.
- The outcome of the innovation initiative is 53 ideas, 25 prototypes, and 5 startup ventures were submitted in the Yukti portal and 9 patents received funds from the KAPILA scheme.

Thus the students are equipped with the required capacities and help students to take the next phase of life at a comfortable pace.

File Description	Document
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Any other relevant information	View Document

5. CONCLUSION

Additional Information :

Centre for Innovation, Incubation, and Entrepreneurship (CIIE) is established to accelerate innovation and incubation activities. The incubation facility includes coworking spaces, executive rooms, and board rooms, as well as a 10,000-square-foot earmark to establish a regional entrepreneurial ecosystem focused on the SDGs. MSME DFO, Chennai under "MSME Innovative Scheme - Incubation Component" has recommended the institution's (CIIE) proposal to act as a Business Incubator (HI-BI).

JIT is recognized as a Research Centre by the Centre for Research. JIT has collaborated with Bharathiar University and submitted three research proposals with total worth of 9.3 Crore under DST-Glue Grant which is in final stage of approval process. JIT has completed 13 sponsored projects.

The Institution's Innovation Council (IIC) of JIT is rated four stars, the highest rating for the 2021-2022 academic year, by the Ministry of Education (MoE). The MoE, Govt. of India has entitled JIT in the State Level Consortium of MoE's IICs under the private/self-financed college category.

The institution's team participated in the Onion Grand Challenge and recommended developing a proof of concept with the financial support of Rs.75,000/- provided by the Ministry of Consumer Affairs, Food and Public Distribution. Also the Institutions team participated in SIH 2022 and IEEE YESIST12 and received appreciation and awards. To the institutions credit 45 patents are published and 8 patents granted. 53 Proof of Concepts for innovative ideas and 25 prototypes of scalable products are developed. As of now IIE incubates 5 ventures.

The institution has established linkages with eminent institutions and industries such as NIT Trichy, DST-Amrita Technology Enabling Centre, Bharathiar University, Huawei Co. Ltd. (Hong Kong), Bosch Ltd., Factana Computing Pvt. Ltd. for knowledge sharing and research activity. JIT actively collaborate with Google (GDSC), AWS Academy, Intel oneAPI, IIT Bombay (Spoken Tutorial), Infosys Springboard, Red Hat Academy, UiPath Academic Alliance etc.

Concluding Remarks :

The Center for Corporate Relations (CCR) of JIT provides students with the requisite training and career opportunities with a dedicated team of trainers. The training focuses on language and communication, aptitude, numerical analysis, soft skills, and programming/computing skills, The institution's CCR also collaborated with training and knowledge partners (ICTACT, COINDIA, etc.) for domain-specific training. In the 2021-2022 academic year, 84 % of students were placed with average package of 3.2 LPA, and 16% of students chose entrepreneurship, higher education, and govt. sector career. CCR plays a larger role other than providing career opportunities by collaborating with various industries and start-ups under the purview of the Industry Institute Partnership Cell (IIPC).

The institution has a registered Alumni Association that contributes significantly through knowledge sharing and sponsorships. JIT Alumni working at core engineering /IT sectors including Microsoft, Caterpillar Inc., Bosch, Accenture etc., have established, along with academic course activities, a practice of delivering lectures and sharing their expertise during the Intensive training programme provided specifically to the pre final year

students.

The institution has established linkages with eminent institutions and industries such as NIT Trichy, DST-Amrita Technology Enabling Centre, Bharathiar University, Huawei Co. Ltd. (Hong Kong), Bosch Ltd., Factana Computing Pvt. Ltd. for knowledge sharing and research activity. JIT actively collaborates with Google (GDSC), AWS Academy, Intel oneAPI, IIT Bombay (Spoken Tutorial), Infosys Springboard, Red Hat Academy, UiPath Academic Alliance etc.

JIT is recognized as a Research Centre by the Centre for Research, Anna University. To mention substantial progress in research and academic activities,

1. Academic Excellence in Blockchain Technology is established in association with M/s. Sparkout Tech Solutions (Pvt.) Ltd.,
2. Tinkering Laboratory for the Internet of Things (IoT) funded by the AICTE-MODROBS and
3. Computer Aided Product Design and Development Laboratory

are established. JIT has completed 13 sponsored projects.

The Centre for Innovation, Incubation, and Entrepreneurship (CIIE) is established to accelerate innovation and incubation activities. The incubation facility includes co-working spaces, executive rooms, and board rooms, as well as a 10,000-square-foot earmark to establish a regional entrepreneurial ecosystem focused on the SDGs. MSME DFO, Chennai under "MSME Innovative Scheme - Incubation Component" has recommended the institution's (CIIE) proposal to act as a Business Incubator (HI-BI)

The Institution's Innovation Council (IIC) spearheads the innovation ecosystem. IIC of JIT is rated four stars, the highest rating for the 2021-2022 academic year, by the Ministry of Education. The MoE, Govt. of India has entitled JIT in the State Level Consortium of MoE's IICs under the private/self-financed college category. The institution's team participated in the Onion Grand Challenge and recommended developing a proof of concept with the financial support of Rs.75,000/- provided by the Ministry of Consumer Affairs, Food and Public Distribution. To the institution's credit 45 patents are published and 8 patents granted. 53 Proof of Concepts for innovative ideas and 25 prototypes of scalable products are developed. As of now CIIE incubates 5 ventures.

The institution's enrollment in core branches has increased 45% in the last two academic years and 40% of students are from other states.

The uniqueness of Jansons Institute of Technology is its academic culture. JIT germinates and cultivates an exclusive brand of engineers who serve as agents of change in the field of Technology. This is accomplished through the provision of a high-quality, value-based technical education and by educating and fortifying young minds for their future calling by offering placement assistance and exposing them to programmes with practical application.

