SELF STUDY REPORT

FOR

1ˢᵗ CYCLE OF ACCREDITATION

JANSONS INSTITUTE OF TECHNOLOGY

JANSONS INSTITUTE OF TECHNOLOGY KARUMATHAMPATTI
641659
www.jit.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

November 2020

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, which consists of 14 companies with a significant presence in five business sectors, namely Textile, Granite, Retail, Medicare and Education.

Jansons Institute of Technology is affiliated to Anna University, Chennai and approved by AICTE, New Delhi. JIT is an ISO 9001:2015 certified Institution, located at Karumathampatti, Coimbatore, Tamilnadu on NH 544 (Salem-Kochi Highway). JIT offers five Undergraduate Programs namely B.E. Civil Engineering, B.E. Computer Science and Engineering, B.E. Electronics and Communication Engineering, B.E. Electrical and Electronics Engineering and B.E. Mechanical Engineering and three Postgraduate Programs namely M.E. Computer Science and Engineering, M.E. Power Electronics and Drives and M.E. Very Large Scale Integration.

Jansons Institute of Technology is built up in a 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 in One Student One Tree Initiative in 2019. Vigyan Prasar, an autonomous organisation under the Department of Science and Technology recognised Jansons Institute of Technology as "Distinguished Institution" in 2019 for its contribution in extension activities that help elevate science education as a national priority in association Vidhyarthi Vigyan Manthan (VVM). Tamilnadu Science Forum has awarded "Green Campus Award" to JIT in 2018 for green initiatives such as extensive tree plantation, effective water management and proper maintenance of Plants and Trees.

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 22 % of faculty members are Ph.D. holders. The Institution takes at most care in providing gender equity in the workforce with 49 % of the faculty members being female.

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

- Imparting quality value-based technical education in emerging areas through Industry Readiness Courses (IRC) and one/two credit Value Added Courses (VAC) to students which focus on job ready skills development.
- Institution follows the Choice Based Credit System, which allows the students to choose their course from a list of core elective and open elective courses.
- Training Faculty members in the emerging field of digital technologies to meet up with new technology.
- Students are offered digital technologie courses like AI, IoT, Blockchain, Robotics, Quantum Engineering, Data Sciences, Cyber Security, 3D Printing & Design, and AR/VR.
- Center for Corporate Relations (CCR), a dedicated team for providing students with the requisite employability oriented skills.
- Extension and outreach programs in the neighborhood involving students through NSS, YRC and CSR activities.
- Institutional knowledge retention through internal training and FDP.
- Mentoring system to support and guide students.
- Professional Societies/Chapters, technical and non-technical clubs to develop leadership skills, technical skills and to nurture their passion.
- Leveraging Information and Communication Technology in the teaching and learning process.
- Apart from regular academics, opportunity to participate and excel in sports activities through the Jansons Sports Club with seven houses and two of them are exclusive for girls to encourage their equal participation in sports activities.

Institutional Weakness

- Funding for research activities from funding agencies.
- Entrepreneurship and Incubation centres activities at an early stage.
- Developing centre for excellence in emerging fields of technology.
- Attracting more core companies for placement.

Institutional Opportunity

- Become an Autonomous institution to have control over curriculum design and development.
- Enhance alumni engagement to develop collaborative research and placement activities.
- Initiating student and faculty exchange programs with foreign Universities.
- Introduction of emerging courses in digital technology like AI, DS, IoT, 3D printing and Design etc.

Institutional Challenge

- Bridging the gap between curriculum and evolving technology, being an affiliated Institution.
- Student enrollment competing with autonomous institutions and deemed universities.
- Interdisciplinary collaboration and research.
- Interactions with industries for consultancy.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Jansons Institute of Technology is affiliated to Anna University, Chennai and follows curriculum and syllabi prescribed by the University. The academic calendar is prepared in line with the academic schedule released by the University. All the academic activities are planned and executed as per the guidelines of Governing Council and Department Academic Council. Apart from core courses Value added courses, Industry readiness courses, content beyond syllabus, workshops, seminars, field visit etc are planned to bridge the curriculum gaps.

The Institution follows the Choice Based Credit System (CBSC) as prescribed by Anna University regulation 2017. Thus the CBCS curriculum provided by the University integrates the environmental issues, technology and innovations towards sustainability, imparting the knowledge about ethics and human values in their professional career and nation building. Apart from prescribed syllabus students undergo Internship, In-plant training, Industrial visit and field work to gain the practical knowledge in their field of study.Students gain experiential learning by doing mini project and project which allows them to utilise the gained knowledge into action.The students have multiple learning opportunities through online course from NPTEL/SWAYAM etc.

Feedback from various stakeholders like students, teachers, employers and alumni are collected through a well defined mechanism. All the collected feedback is analysed and actions based on the feedback is carried out.

Teaching-learning and Evaluation

The Institution admits the students through Anna University single window counselling - Tamil Nadu Engineering Admission (TNEA) and Management and Lateral Entry Admissions through TNLEA who meets the eligibility criteria as per the affiliating University. Reservation for various categories is made as per the reservation policy of Tamilnadu State government.

Special programmes are organised for slow learners and advanced learners by accessing the levels of the students. Each student is allotted under a mentor to guide and support in academics and personal aspects by accessing the strength and weakness of the student.

The Institution has well experienced and skilled faculty members as per the guidelines of AICTE. Faculty members use student centric methods for enhancing the learning experience of students.

All the classrooms are air-conditioned and ICT enabled. The students are assessed by proctored continuous internal exams as per the guidelines of Anna University. There is a well established and transparent system available for examination related grievances.

The programme outcomes, programme specific outcomes and course outcomes are well communicated to students and faculty members in various modes. The attainment of programme outcomes and course outcomes are assessed by the Department Academic Council through direct and indirect methods. Our Institution is designated as Nodal Center for AU to conduct University Semester Examinations for Zone-IX comprising 10 Engineering Colleges in the region.

Research, Innovations and Extension

The Institution encourages faculty members and students to take part in research and innovation activities by publishing and presenting research works in journals and conferences. All faculty members and students are encouraged to submit project proposals.

The Institution Innovation Council (IIC) is established in the Institution to nurture innovation ecosystem by supporting identifying and supporting innovations and sharing success stories. Intellectual Property Rights Cell (IPR Cell) is established to encourage and protect new inventions, designs, software, brand name and other innovative ideas etc. generated through the college.

To provide opportunities for student's community to enrich their knowledge in Industrial expectation, interact with industry experts and to create awareness among students on how to become potential entrepreneurs, the Entrepreneurship Development Cell (EDC) is established.

Various seminars, workshops and awareness camps on Intellectual Property Rights, Entrepreneurship Development and other technical areas are conducted regularly.

Extension activities are conducted through various clubs, NSS and YRC. Extension activities focus primarily on health awareness, gender issues, skill development programmes, Science and technology outreach activities etc. Bandham activities focus on helping elderly persons in old age homes and kids in orphanages. Students actively take part in these types of extension activities.

A number of linkages and MoU's with industries and institutions are made from time to time for providing internships, industrial visits for students and for research activities involving both faculty and students.

Infrastructure and Learning Resources

Jansons Institute of Technology is built around 13.61 acres of land with adequate infrastructure for teaching and learning. All the classrooms are air conditioned and ICT enabled with projectors, systems, speakers and microphone (fixed and portable), LAN and WiFi facility. All departments have well equipped laboratories and a centre of excellence in Data Science and Big Data Analytics.

Adequate facilities like auditorium, seminar hall, conference hall, indoor and outdoor sports court are available for organizing cultural activities, sports, yoga and indoor games etc.

JIT Central Library is fully automated using Integrated Library Management System using Autolib Library Automation and Management software. Library has journals, e-resources, databases and remote access to e-resources.

IT facilities are maintained and upgraded periodically. Indigenous Campus Management System (CMS), Learning Management System (JiT eEDU LMS) powered by moodle and Cloud Service (JiT eEDU Cloud) powered by nextcloud. WiFi facility is available 24 x7 across all locations in college campus with a bandwidth of 75 MBPS leased line internet connection.

The maintenance of physical, academic and support facilities like library sports, computer classrooms are carried out systematically. For this purpose a well established housekeeping and maintenance system and

procedures are available. Annual Maintenance Contract for maintenance of air conditioners, water doctors,systems and accessories and UPS is available through preventive and breakdown maintenance.

Student Support and Progression

JIT takes special care and conscious efforts in providing student support and progression. Scholarships are offered by the Institutions for meritorious and economically weaker students. Eligible students receive various scholarships offered by the Government.

An exclusive Center for Corporate Relations (CCR) is established for skills enhancement activities, capacity enhancement,career counselling and placement activities. Soft skills training, language and communication training and computing skills training are provided through CCR. Various sports, games and awareness activities are organized by Jansons Sports Club, NSS and YRC to encourage students to concentrate on physical fitness and hygiene. Training support for competitive exams is offered to aspiring candidates through respective departments.

Well established systems and mechanisms are available to address student's grievances. Anti-ragging awareness programs and undertakings are collected every year and orientation programmes are organised to create awareness.

Apart from regular academic activities various sports and cultural activities are organized every year on campus and students also participate in state and national level sports and cultural activities.

Students are given representation in various administrative, co-curricular and extracurricular activities like, Department Academic Council, Internal Quality Assurance Cell, Class Committee, Anti-ragging committee, Department Association and in various clubs and professional societies.

JIT-Alumni Association connects all the alumna and alumnus of Jansons Institute of Technology. Periodic alumni meetings are conducted. The association focuses to connect alumni with its alma mater and to render placement, career guidance and internship opportunities.

Governance, Leadership and Management

The management of Jansons Institute of Technology is guided by the motto "Destination for Holistic Learning". The effective leadership is established based on the Vision and Mission of the Institution. The Governing Council plans and approves the various academic and administrative functions of the Institution. The Strategic plan is developed and the guides in achieving short and long term goals of the Institution.

The organization employs decentralisation and participative management through well defined organizational structure. The roles, responsibilities and authorities are well defined and communicated effectively.The administration follows a well established quality procedure for all processes and activities.

E Governance is implemented in the areas of finance and accounts, administration, students admission and support and examination systems. All the resources in the institution are utilized efficiently through resource optimization based on needs and availability.

The welfare of teaching and non teaching staff are ensured by providing opportunities for professional development, higher studies and has group insurance to cover any kind of emergency.

Faculty members are provided with financial support to attend FDP, conference and workshops etc. Inhouse professional development and administrative training programmes are organised periodically for teaching and non-teaching faculty to develop the skills. Performance appraisal system to monitor and to find scope for improvement for the teaching and non-teaching faculty members is being practiced effectively.

The Internal Quality Assurance Cell (IQAC) ensures the quality of teaching learning process, operation of academic and administrative activities through regular audit and review. IQAC initiatives have obtained ISO 9001:2015 Certification for its Quality assurance processes.

Institutional Values and Best Practices

The institution promotes gender equity by providing equal rights, opportunities, resources and protections for all genders. The institution has alternate sources of energy like solar energy, sensor based energy conservation and use of LED bulbs and power efficient equipment.

To maintain an eco-friendly campus the institution has established a system and procedure for handling degradable and non-degradable waste like solid, liquid, e-waste and chemicals.

The institution takes conscious care in water conservation by rain water harvesting, construction of tanks, wastewater recycling, maintenance of water distribution system and reduce water wastage using sensor based monitoring.

Jansons Institute of Technology is beautifully green landscaped. For the green campus initiatives a certificate of Appreciation was awarded by AICTE. Tamilnadu Science Forum has awarded JIT with "Green Campus Award" in 2018 for green initiatives such as extensive tree plantation, effective water management and proper maintenance of Plants and Trees. There is a restricted entry of automobiles and ban of plastics in campus. Battery powered vehicle and pedestrian friendly pathway is available. Green, energy, environmental audit is conducted periodically.

The institution takes continuous efforts in providing an inclusive environment and sensitization of students and employees to constitutional obligations. There is a prescribed code of conduct for students, teachers and administrators.

Institutional Best Practice

- JIT eEDU - A flipped classroom to enhance student learning
- Case studies - Subject specific and transferable skills of students

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	JANSONS INSTITUTE OF TECHNOLOGY
Address	Jansons Institute of Technology Karumathampatti
City	Coimbatore
State	Tamil Nadu
Pin	641659
Website	www.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 minroity institution	No

Establishment Details	
Date of establishment of the college	17-06-2009

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC		
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	29-04-2019	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

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	Jansons Institute of Technology 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	60	3
UG	BE,Computer Science And Engineering	48	HSC	English	90	72
UG	BE,Electronics And Communication Engineering	48	HSC	English	90	31
UG	BE,Electrical And Electronics Engineering	48	HSC	English	60	4
UG	BE,Mechanical Engineering	48	HSC	English	60	9
PG	ME,Computer Science And Engineering	24	UG	English	0	0
PG	ME,Electrical And Electronics Engineering	24	UG	English	0	0

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				16				14				87
Recruited	9	7	0	16	11	3	0	14	39	48	0	87
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				34
Recruited	31	3	0	34
Yet to Recruit				0

08-01-2022 10:47:50

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				17
Recruited	15	2	0	17
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	9	7	0	8	1	0	1	0	0	26
M.Phil.	0	0	0	0	0	0	3	10	0	13
PG	0	0	0	3	2	0	35	38	0	78

08-01-2022 10:47:52

Temporary Teachers									
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	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

Part Time Teachers									
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	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	374	9	0	0	383
	Female	258	7	0	0	265
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	10	0	0	0	10
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		**Year 1**	**Year 2**	**Year 3**	**Year 4**
SC	Male	3	9	1	4
	Female	25	3	0	3
	Others	0	0	0	0
ST	Male	0	0	0	1
	Female	0	1	0	0
	Others	0	0	0	0
OBC	Male	73	159	73	213
	Female	114	86	22	67
	Others	0	0	0	0
General	Male	6	16	7	16
	Female	5	7	2	4
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		226	281	105	308

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
253	253	253	251	268

File Description	Document
Institutional data prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
8	8	8	8	8

2 Students

2.1

Number of students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
824	964	1082	1418	1503

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2018-19	2017-18	2016-17	2015-16	2014-15
201	253	241	281	281

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
289	344	409	444	403

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
129	131	163	157	112

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
129	163	163	161	161

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 50

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
488	188	688	880	888

4.3

Number of Computers

Response: 117

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

Jansons Instiute of Technology is affiliated to Anna University, Chennai and follows outcome based education system with Choice Based Credit System and elective system. The syllabuses for all programs are provided by Anna University.

The curriculum is analyzed by the Department Academic Council (DAC) of each department and IQAC considering the strategic plan and recommendations proposed by the Governing Council (GC) in achieving the vision and mission of the institution and monitor all the activities for effectiveness by periodic review meetings.

The academic schedule is released by Anna University and based on the recommendations from GC, IQAC and DAC, the academic calendar for the forthcoming semester is prepared, which has the academic and non-academic events, and released by the Principal prior to commencement of semester. Departmental activities of respective department are included in the academic calendar and after validation, it is released by respective HoD's.

Electives are opted by students before the end of the previous semester and course allocation is made based on the faculty preference and specialization (along with the hours planned for each course as prescribed in syllabus). Class, Faculty and laboratory timetable are prepared and released along with faculty workload. A course committee is formed when a course is offered to more than one department to ensure uniform and effective delivery of curriculum across all classes.

The faculties prepare a course delivery plan (CDP) with CO-PO-PSO mapping for the respective courses, content beyond the syllabus, portions for Continuous Internal Assessment (CIA), assignments and tutorial plans (as mentioned in syllabus/found necessary) for problem solving. Suggestions/recommendations from faculty who previously handled the course and guidelines of course committee is also considered. While developing course delivery plan, respective faculty members also decide ICT tools, Innovative teaching methods, mini projects, seminars, technical quiz, case study etc. to deliver content and evaluate the student's performance and attainment of course outcomes. Lecture notes for all courses are made available to students through the Learning Management System (LMS) and Intranet. In addition to this guest lectures, seminars/workshops, industrial visits are organized to enrich curriculum/bridge the curriculum gaps

The quality of the curriculum delivery is effectively monitored periodically by class committee meetings, student feedback, mentor ward meetings and course committee meetings (when same course is offered to multiple departments). Timely completion of syllabus as per CDP is reviewed and monitored by the HOD and if any deviations are found they are addressed accordingly.

Slow learners are identified and coaching is provided before each CIA and remedial coaching is provided for underperforming students; if found necessary additional classes are also conducted. Advanced learners are encouraged to enroll in MOOC courses (SWAYAM/NPTEL) and encouraged to participate in design contests, hackathon, workshops/seminars, conferences etc.

End semester question papers are reviewed by course handling faculty and suggestions/ recommendations for further improvements are made available for faculty who conduct the courses in subsequent semesters. An end semester audit is conducted after university practical exams to ensure the quality of academic activities.

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

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

Jansons Institute of Technology (JIT) is affiliated to Anna University, Chennai and follows the Anna University (AU) academic schedule for the semester. Anna University's academic schedule has the following:

- Commencement of classes
- Last working day
- Commencement of University Practical Exams
- Commencement of End Semester Exams
- And tentative reopening date for the next semester.

Anna University also releases an assessment schedule which divides a semester into 4 assessment period. Attendance and CIA test marks are uploaded in Anna University Pre-Examination Monitoring System(web portal) as per the given assessment schedule.

- First assessment period - attendance
- Second assessment period - attendance & CIA-I test mark
- Third assessment period - attendance & CIA-II test mark
- Fourth assessment period - attendance & CIA-III test mark

Based on this information, the academic calendar is prepared in line with the Anna University(AU) academic schedule and assessment schedule. The calendar is prepared with the inputs of GC, IQAC, DAC, all Departments and then released by the Principal through exam cell. The academic calendar indicates the various academic and non academic activities planned in the semester, and the same is displayed in college website, LMS and displayed on notice boards. The departmental activities are updated in academic calendar by the respective departments and circulated and displayed in notice board of respective departments.

The timetable allotment, CIA test schedule, course delivery plan for each course, schedule for class committee meeting and student feedback for each course are scheduled accordingly as per the released academic calendar.

Delivery of Course

With effective from and valid up to date in timetable reflects academic calendar. Based on the timetable released for each course, course delivery plan(CDP) is prepared which ensures the portion coverage by date wise course content plan and plan for completion of portion before respective CIA. The delivery of course is monitored through class committee meetings, course committee meeting, student feedback and timely review of CDP and class record by HoD to ensure the adherence to the academic calendar.

Conduct of CIA test

The CIA test schedule is prepared and released as per academic calendar and AU academic schedule by Exam Cell. The conduct of CIA exams is monitored by the Principal and the upload on CIA test marks is ensured by HoD of respective departments, exam cell and the Principal.

Institutional Statutory bodies

The Governing Council ensures the timely formation of Institution statutory bodies/committees as recommended by the statutory bodies. The proper functioning of such bodies and committees is monitored periodically by the Principal and Governing Council (half yearly basis).

Other academic and non-academic activities

Other activities like clubs / professional societies are planned and monitored by respective in-charges and HoDs. NSS, YRC, NSO/JSC activities are planned and monitored by respective coordinators.

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

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. **Academic council/BoS of Affiliating university**
2. **Setting of question papers for UG/PG programs**
3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
4. **Assessment /evaluation process of the affiliating University**

Response: D. Any 1 of the above

File Description	Document
Institutional data in prescribed format	
Any additional information	

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 **Number of Programmes in which CBCS / Elective course system implemented.**

Response: 8

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	
Institutional data in prescribed format	
Any additional information	

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 62

1.2.2.1 **How many Add on /Certificate programs are offered within the last 5 years.**

2018-19	2017-18	2016-17	2015-16	2014-15
17	13	13	11	8

File Description	Document
List of Add on /Certificate programs	
Brochure or any other document relating to Add on /Certificate programs	
Any additional information	

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 30.74

1.2.3.1 **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
361	432	338	273	219

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View Document](#)
Any additional information	[View Document](#)

1.3 Curriculum Enrichment

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

Response:

The curriculum provided by the University integrates the environmental issues, technology and innovations towards sustainability, imparting the knowledge about ethics and human values in their professional career and nation building. In addition to the curriculum the institution makes aware of and strengthens students about professional ethics, gender equity, human values and sustainable environment through various club and professional society activities. The institution creates an atmosphere for equal opportunity for all genders and initiates equal participation in all levels of operations.

Environment and Sustainability

The curriculum includes courses like Environmental Sciences and Engineering, Municipal Solid Waste Management, Hospital Waste Management, Traffic Engineering and Management, Renewable energy sources, etc. which provides the value of the preservation of the environment and technological ideology for moving towards a sustainable future.

In addition to this, the institution provides opportunity for the students for knowledge transfer through industry readiness courses like Energy efficient buildings. The Eco club, Energia club and NSS actively take part in creating awareness, maintaining and implementation of sustainability activities in the institution. JIT is an eco-friendly institution with efficient rain water harvesting, energy audit system and STP plant. As an eco friendly practice all the notifications are sent through emails, official web page, LMS and other social media.

Gender

The institution treats all the personnel without any gender bias at every level of its operations. The student and faculty ratio based on the gender equity proves the suitability of the institution for women in choosing the institution as their educational and work place. Girl students are given equal representation in all levels of operations such as class committee meetings, associations chairs and responsibilities in the curricular and cocurricular activities.

The Internal Women Caring Cell (IWCC) ensures in spreading the importance of gender sensitiveness, prevention of sexual harassment and importance of women in integral growth of the society. Also IEEE Women chapter emphasizes the presence of women in technology. Various initiatives are taken by the club such as organising events on remembering eminent women personalities. The institution promotes women to be entrepreneurs through Entrepreneurship Development Cell (EDC). EDC organizes awareness camps, in which female students actively involve.

Professional ethics and human values

As a part of curriculum courses like Professional Ethics for engineering, Principles of Management and Total Quality Management are offered and through which the student can understand his role in society as a responsible partner.

The institution ensures the student being an educated human and their participation in the uplifting of society during the course period by organizing health awareness campaign, health and social cause campaign for the locality people and schools through various club activities. Also as an Institution, JIT contributes in corporate social responsibility through visiting and helping old age homes, orphanages, children with special needs and differently abled children.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 5.48

1.3.2.1 **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
12	11	17	15	15

08-01-2022 10:48:04

File Description	Document
Programme / Curriculum/ Syllabus of the courses	[View Document](#)
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	[View Document](#)
Any additional information	[View Document](#)

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

Response: 35.07

1.3.3.1 **Number of students undertaking project work/field work / internships**

Response: 289

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	[View Document](#)
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1 *Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni*

Response: B. Any 3 of the above

File Description	Document
Any additional information (Upload)	[View Document](#)
URL for stakeholder feedback report	[View Document](#)

1.4.2 Feedback process of the Institution may be classified as follows: Options:

> **1.Feedback collected, analysed and action taken and feedback available on website**
> **2.Feedback collected, analysed and action has been taken**
> **3.Feedback collected and analysed**
> **4.Feedback collected**
> **5. Feedback not collected**

Response: C. Feedback collected and analysed

File Description	Document
Upload any additional information	[View Document](#)
URL for feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 43.04

2.1.1.1 **Number of students admitted year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
226	281	105	308	384

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
606	606	606	606	606

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 58.2

2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
83	126	65	215	271

File Description	Document
Average percentage of seats filled against seats reserved	[View Document]
Any additional information	[View Document]

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Admissions of students to Undergraduate Engineering Programmes are through Anna University - Tamil Nadu Engineering Admission (TNEA) and Management based on the students mark eligibility in HSC exams and Lateral Entry Admissions through TNLEA. After admission, Bridge courses and Induction Programme are organized for first year students as well as lateral entry students. To adjust students into new environment and familiarize with institution values Induction Programmes are organized. Bridge courses focus on catering students of diverse backgrounds; bridge courses are organised for English, computer science and advanced technologies, every year for regular students. All these courses ensure joyful learning through activities. For lateral entry students, bridge course on mathematics is organised to strengthen them in mathematic concepts.

Students are categorised as slow learners in first semester based on Mathematics mark in Plus Two and special coaching is organised for them before Continuous Internal Assessments. Based on university Examination performance, slow learners and advanced learners are categorised in higher semesters. Slow learners are given special coaching before every Internal Assessment Exams to enhance the learning ability.

Slow learners are identified as mentioned above and special coaching for all courses is provided before each CIA tests. After CIA test follow-up and remedial coaching are conducted for underperforming students; if found necessary special classes are also conducted. Mentors keep a close watch on students academic performance and they are encouraged to excel in academics. Periodic interactions are organized to connect with alumni for motivation and to connect with real world experiences. Learning from peers and combined/group learning are encouraged to enrich the learning experience.

Advanced learners are counseled to improve in their academic ranking to get university ranks and are encouraged to take part in National level / International level technical competitions (design contest, hackathons, olympiad, TCS codevita, Infy TQ, IEEE Extreme coding contest, Aakruthi, Autodesk Design Challenge etc.), workshops, seminars, conferences, symposia etc to improve their interpersonal skills, develop and update knowledge on recent technologies. They also take advanced courses in NPTEL/SWAYAM, Spoken Tutorial and from other online MOOCs. Apart from these they become members in clubs (Arduino club, Amature Radio club, Energia club, Geo club, Mobility club etc.) and professional society (IEEE, ICI, IIPE, SAE etc) and organize/take part in club activities to groom their leadership, soft skills and they learn to work as a team.In addition students are given Industry Readiness Courses are offered to enhance their employability skills.

Students are provided with career counselling, soft skills training and placement training through Centre for Corporate Relations. Guest lectures on engineering fields and interaction with corporate professionals are regularly arranged to prepare them Industry Ready. Support to prepare for higher studies and for competitive exams is provided through respective departments. Students take inplant training / internships and visit industries to get a work experience in Industry. Orientation programme and training programmes for aspiring entrepreneurs is conducted through Entrepreneurship Development Cell (EDC). All these

activities are open to all students based on their aspirations and interest.

File Description	Document
Upload any additional information	[View Document](#)
Past link for additional Information	[View Document](#)

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 6.39

File Description	Document
Any additional information	[View Document](#)

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

Response:

JIT takes continuous efforts making teaching learning process students centric by adopting various learning methodologies from time to time, depending on the necessity demanded by courses other than the conventional method. Experiential learning, participative learning and problem solving methodologies are integral part of the Anna University, Affiliated curriculum. The curriculum prescribed seminar/ case study and mini-project/ project work involves experiential learning, participative learning and problem solving methodologies too.

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. Experiential learning can be very well illustrated by the project phase, every student conceptualise the idea, implement it, after getting the review comments, based on reflection they conceptualize the idea and implement. Students are also encouraged to make models/ prototypes in courses to visualize the concepts they are learning in theory courses. Apart from this, some concepts are taught with demonstration using digital or physical teaching aids, which induces the students learning.

Almost every laboratory courses in curriculum involves participatory learning. The students form collaborative groups and they conduct experimental investigations, interpret the findings and thus arriving results. Also during these courses they interact with faculty and technical staff in conducting experiments. Apart from laboratory courses students are involved in presenting seminars, preparing solutions for case studies and assignments and open discussions in the classroom. Also students are participating in paper presentation, seminars, professional society (IEEE, IIPE, SAE, ICI etc.) activities, project presentation, coding contest etc. as group and individuals.

Tutorial classes are part of courses which are numerical bound. The tutorial classes are planned as a part of course delivery and students are involved as individuals or in groups to solve problems, case studies etc. Apart from these regular academic activities, students participate in national level competitions like Smart India Hackathon, TCS Codevita, Infy TQ, IEEEXtreme coding contest, Autodesk Design Challenge, Solidworks Aakruthi product design challenge etc. In these competitions students actively engage in finding solutions for real time problems using various problem solving methods as mentioned above.

Along with all the student centric methods mentioned above, students undergo internships/inplant training and industrial visits and practically experience the concepts they have learned in classrooms. Also these activities prepare them by exposing to the real world industrial scenarios and work culture.

Institution organizes various symposia, conferences, project contest and other technical competitions through clubs and associations which helps the students to demonstrate their technical, interpersonal skills and leadership skills in real life situations while organizing and participating in such events.

File Description	Document
Upload any additional information	[View Document](#)
Link for additional information	[View Document](#)

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

ICT Enabled Class Room

To facilitate learning without time constraint, 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 employs ICT tools as demanded by courses and classroom environment.

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/WiFi facility, LCD projectors, pointers/remote control and fixed/portable speakers. The entire campus is WiFi enabled and students acquire mobility outgrowing the physical constraints of classrooms.

Learning Management System(LMS)

Cultivating learning by self and lifelong learning Flipped Classroom Technique is followed by faculty members. All the course content by topics are uploaded in the Learning Management System (LMS) (powered by MOODLE) and compiled notes on the intranet. Students can access the learning materials and intended outcomes through LMS and can learn at their own pace even before attending class. This method is highly encouraged in the classroom to make it a place for healthy technical discussion and problem solving platform.

Through LMS, course content, self assessment, student progress, assignment, MCQ and assessment are

made. Faculty members post video contents to demonstrate concepts as part of lecture delivery and also create interactive content for courses through flash or SCROM package etc. and are uploaded in LMS. LMS has also the following capabilities to enhance the teaching and learning experience.

- Screen casting
- Chat board
- Teleconferencing (JIT Open Meetings)

To match up with the rising trend of m-learning (mobile learning) as a form of e-learning all students can access the learning content in their mobile using LMS mobile app (powered by MOODLE).

The features of JIT – LMS are: Course Management, e.g. lists of courses, registration, credit information and syllabus, pre-requisites, Teaching Materials, i.e. courseware, Self-assessment quizzes Synchronous Communication: chat, whiteboard, teleconferencing, Student tools: Home   page, self tests, bookmarks, progress tracking, Student Management Tools: progress tracking, on-line grading (assessment), Learner feedback: course evaluation surveys, test evaluation surveys etc.

JIT Cloud

All faculty members and students are provided with personal cloud storage for saving and sharing files through JIT Cloud (powered by Nextcloud). Thus faculty and students are connected all the time for teaching and learning.

JIT Datacenter and JIT IaaS

A file repository, JIT Data Center which has all the University Question Papers and answer key, CIA test question papers and answer key, open access books, e-journals are made available to all. Content in JIT Data Center is added from time to time by faculty members. Also JIT Infrastructure as a service (IaaS) is a form of cloud computing that provides virtualized computing resources over the internet or private network for private usage.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 15.85

2.3.3.1 Number of mentors

Response: 52

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	[View Document](#)
mentor/mentee ratio	[View Document](#)
Circulars pertaining to assigning mentors to mentees	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 89.49

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	[View Document](#)

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 13.06

2.4.2.1 **Number of full time teachers with** *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* **year wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
28	24	19	13	6

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	[View Document](#)
Any additional information	[View Document](#)

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 4.5

2.4.3.1 **Total experience of full-time teachers**

Response: 580.9

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The Continuous Internal Assessment (CIA) is proctored and carried out as per the guidelines of Anna University Regulations (R2008, R2013 & R2017). The CIA tests are conducted as per the academic calendar prepared referring the academic schedule released by Anna University.

The mode and frequency of internal assessment being carried out as per the latest Anna University Regulations 2017 are as follows,

Theory Courses

Three CIA tests each carrying 50 marks for 90 minutes are conducted during the semester and converted to 100 marks. The total marks obtained in all tests put together out of 300, and are proportionately reduced for 20 marks and rounded to the nearest integer (This also implies equal weightage to all the three tests).

Laboratory Courses

Maximum marks for Internal Assessment is 20 in case of practical courses. Every practical exercise / experiment are evaluated based on conduct of experiment / exercise and records maintained by student. A model test is conducted at the end of the course. The criteria for arriving the Internal Assessment marks of 20 is as follows: 75 marks is awarded for successful completion of all the prescribed experiments in the Laboratory and 25 marks for the test. The total mark is reduced to 20 and rounded to the nearest integer.

Theory Courses with Laboratory Component

For a theory course with Laboratory component, there are three tests: the first two tests (each 100 marks) cover the theory portions and the third test (maximum mark 100) covers the laboratory component. The sums of marks of the first two tests are reduced to 60 marks and the third test mark is reduced to 40 marks. The sum of these 100 marks is then arrived for 20 and rounded to the nearest integer.

Project Work

Project work is carried out by a single student or a group of students not exceeding 4 per group. A review committee headed by a project coordinator evaluates the project. Four reviews during the semester is done by the review committee. The zeroth review is for finalizing the project and it is not evaluated for internal marks.

08-01-2022 10:48:09

The student/project group makes a presentation on the progress made by him / them before the committee during the three reviews. The total marks obtained in the three reviews shall be reduced for 20 marks and rounded to the nearest integer (as per the table given below).

Project Review (20)			End Semester Exam (80)				
			Thesis Submission (30)		Viva-Voce (50)		
Review I	Review II	Review III	Internal	External	Internal	External	Supervisor
5	7.5	7.5	15	15	15	20	15

The project report is awarded a maximum of 30 marks. The project report is submitted as per the approved guidelines as given by The Director, Academic Courses, Anna University. Similar process is followed for every student within the project group for the project report. The viva-voce examination carries 50 marks. Marks are awarded to each student of the project group based on the individual performance in the viva-voce examination.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

The CIA test are conducted by exam cell as per the academic calendar within the stipulated time of Anna University through the academic schedule. The test schedule is displayed in college website, LMS and notice boards before two weeks of exam. Question papers are prepared as per the guidelines and pattern; along with its answer key with scheme of evaluation is prepared (by course faculty/course faculty nominated by course committee). The question paper and answer key with scheme of evaluation is reviewed by HoD and question papers are forwarded to exam cell through dept. exam cell coordinator.

A class committee meeting is conducted before all CIA tests to discuss class activities along with exam related grievance.

- Syllabus coverage for internal test
- Difficulty in understanding of any courses and extra support
- Previous test performance in case of second and third review

The smooth conduct of CIA test is ensured by invigilators. In case of any malpractice is identified, evidence if any collected is handed over to exam cell by invigilators and are allowed to continue exam. The details of such are further forwarded to respective HoD and in consultation with the Principal decides suitable disciplinary action to be taken and other details are recorded in CIA Malpractice Record.

The answer key with scheme of evaluation is made available to all students through LMS and the same is discussed in class while answer scripts are distributed to students. The answer scripts are duly evaluated by faculty and distributed to students for their verification. After verification and corrections if any, the marks are recorded in class record and the same is forwarded to class advisor for result analysis (and reviewed by mentor). For absentees (against genuine reason) retests are conducted in the dates communicated by exam cell and the marks are forwarded to class advisor.

After the completion of CIA, within one week a mentor report stating "CIA marks, attendance, suggestions for improvement by course faculty and achievements of students" is prepared and the same is approved by class advisor, HoD and the Principal. The mentor report is posted to their communication address for parent's information. In case of any queries, parents can contact respective mentor regarding student's performance in CIA test.

The university portal entry report which contains the marks scored by individual students and attendance for the particular assessment period is prepared by classadvisor, verified by course faculty and approved by HoD and the Principal. The class adviser uploads the above data in Anna University Pre-Examination Monitoring System (https://coe1.annauniv.edu/home/) for internal mark calculation. The marks entered are verified by exam cell representative for ensuring correctness. The same marks are visible for students and parents for verification. If any grievance or discrepancies arise, they are resolved on the spot or later based on the severity and impact.

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

Our Institution is affiliated to Anna University. The university by itself has stated program and course outcomes for all courses of all programs for R 2017. For R 2013, Course outcomes are provided by the University, Program Outcomes from the National Board of Accreditation are followed.

The programme outcomes and programme specific outcomes along with vision and mission are displayed in :

- Institutional Website (www.jit.ac.in)
- Respective Departments
- Department Laboratories
- Main Corridors

The course outcomes of all the programmes are displayed in :

- LMS course page (CO)
- CDP (CO)

The programme outcomes, programme specific outcomes and course outcomes of all the programmes along with vision and mission are disseminated to teachers and students through following modes

S.No.	Dissemination			
	To	By	Content	Mode
1	Students	Faculty Advisor	PO,PSO	During the first day of the Semester
2	Faculty Members and Non Teaching Staff	Head of the Department	PO,PSO	Department Meetings
3	Parents	Head of the Department, Faculty / Class advisor / Mentor, Students	PO, PSO	One to one meeting, Students share the information to parents
4	External Stake Holders	Alumni Cell, Placement Cell	PO,PSO	College Website
5	Faculty	University	CO	Anna University Syllabus
6	Students	Faculty	CO	During the Course period

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Past link for Additional information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

The Attainment of Programme outcomes, program specific outcomes and course outcomes are evaluated by two methods.

1. Direct PO & PSO Assessment Process

a. Direct Course Assessment

Direct attainment of CO is measured in the scale of 0 - 3 level.

Internal Assessment

Students are assessed based on different activities such as MCQ, Assignment, Tutorials, Quiz Puzzles, etc.,. Internal Examination question papers are defined with CO for each question. On completion of Internal Assessment (IA), marks scored by the students CO wise are averaged up. CO attainment is calculated by considering 90% of IA test level and 10% of activities level. CO attainment is met which is based on the students achieving the defined target.

External Evaluation

Since end semester University examination evaluation is not available CO wise, total mark is considered for CO Attainment. 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 IA Level.

b. Indirect Course Assessment:

Course exit surveys are carried out ,where students give feedback in the scale of 1 to 5, are summed up in the proportion of 80:20 respectively.

Final course wise PO and PSO Attainment: For attainment calculation, Average of Direct CO - PO attainment data from CO - PO correlation matrix is collected for all courses and Indirect Course Assessment are summed up in the proportion of 80:20 respectively.

2. Indirect Method for PO and PSO Attainment: Program Exit Survey collected from students who are going to graduate at the end of the eighth semester.

Final Attainment for PO PSO Attainment: Sum of Final course wise PO and PSO Attainment and Indirect Method for PO and PSO Attainment in the proportion of 80:20 respectively.

If PO and PSO attainment level is measured on a scale of 0-3, where 0 being low and 3 being high level of attainment.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 73.8

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

2018-19	2017-18	2016-17	2015-16	2014-15
146	224	357	386	319

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

2018-19	2017-18	2016-17	2015-16	2014-15
289	344	409	444	403

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for the annual report	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.74

File Description	Document
Upload database of all currently enrolled students (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, Chairs in the institution during the last five years (INR in Lakhs)

Response: 0

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
List of endowments / projects with details of grants	[View Document](#)
e-copies of the grant award letters for sponsored research projects / endowments	[View Document](#)
Any additional information	[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 8.53

3.1.2.1 **Number of teachers recognized as research guides**

Response: 11

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 0

3.1.3.1 **Number of departments having Research projects funded by government and non-government agencies during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

3.1.3.2 **Number of departments offering academic programes**

2018-19	2017-18	2016-17	2015-16	2014-15
5	5	5	5	5

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)
Any additional information	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

The institution has well-established systems for research, development and innovation activities. Our Institution encourages faculty and students to perform research that provides technical solutions to the problems by means of which the ecosystem is enriched. The research outcomes of the faculty and students are published in reputed SCIE and Scopus indexed journals with its originality checking process.

Our institution has an active Institution Innovation cell (II Cell), Intellectual Property rights cell (IPR Cell) and Entrepreneurship Development cell (ED Cell) to focus individually on budding innovations, preserving the innovations and developing entrepreneurs. Each cell organizes seminars, workshops and competitions to disseminate effectively the role of each body.

Institution Innovation cell

The Institution Innovation cell explores the innovative ideas of the students by arranging project contests and assists them to convert to a product. Every year Engineers day is celebrated with project contests. Students are encouraged to participate in Smart India Hackacthon, Codevita contest, TCS Inframind, Vishwakarma Awards, Intec Olympaid, NI yantra, Texas Instruments and Tamilnadu state government funding (TNSCST).

Intellectual Property Rights cell

The IPR cell organizes awareness workshops to faculty and students of all branches about the role of IP in research and encourages them to patent their innovations.

The list of patents emerged from research are:

Name of the faculty	Title of the research work	Patent publication number
Dr.K.Mahendran	Intelligent fire fighting mobile machine	27/09//2019
Dr.K.Mahendran	Method For Minimizing Power Consumption Of IoT Battery Using Packet Filtration Approach	201911038413, 27/09/2019
Dr.E.S.Shamila	System for Internal Environmental maintenance for large building with noise absorption model	201941047929A, 6/9/2019
Dr. P.Gowtham	Stylish Hat Used For Electric Vehicle	325328-001
Prof. K.Krishnakumar	Automatic Parts counting machine in the conveyor	GO1D1/00
Dr. K.Mahendran	Multifunctional Cart for health monitoring and Movement of Patient	202011004563 A & 14.02.2020

Entrepreneurship Development cell

The Entrepreneurship development cell aids to develop the entrepreneurial and technical skills through its activities. Funded seminars are conducted with Eminent technocrats to address the students on Entrepreneurship skill development. Many entrepreneurs are formed and they support the effective functioning of the cell.

Other Activities

Industry readiness programs, symposiums, skill training programs are organized by the department association to improve the skill sets of the students and enable them to bring out pioneering solutions and make his own startups. In addition many technical clubs are initiated in the institution to enrich the technical competence in the students. The clubs in our institution include Arduino club, Amateur Radio club, Energia club, Programming club, Android club, Linux club etc. The learning's from the club activities provide the transfer of knowledge from concepts to solutions. The transfer of knowledge is visualized by the publications of research papers, industrial project work, participation in project contests, student entrepreneurs and patent filing.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 19

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

2018-19	2017-18	2016-17	2015-16	2014-15
10	6	3	0	0

File Description	Document
Report of the event	[View Document](#)
List of workshops/seminars during last 5 years	[View Document](#)
Any additional information	[View Document](#)

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 0

3.3.1.1 **How many Ph.Ds registered per eligible teacher within last five years**

3.3.1.2 **Number of teachers recognized as guides during the last five years**

Response: 11

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	[View Document](#)
Any additional information	[View Document](#)
URL to the research page on HEI website	[View Document](#)

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 0.27

3.3.2.1 **Number of research papers in the Journals notified on UGC website during the last five**

years.

2018-19	2017-18	2016-17	2015-16	2014-15
11	04	08	06	08

File Description	Document
List of research papers by title, author, department, name and year of publication	[View Document](#)
Any additional information	[View Document](#)

3.3.3 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: 0.04

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

2018-19	2017-18	2016-17	2015-16	2014-15
03	0	2	1	0

File Description	Document
List books and chapters edited volumes/ books published	[View Document](#)
Any additional information	[View Document](#)

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

Jansons Institute of Technology has an active NSS and YRC cell that moulds the personality of the students through community service. Students and faculty members of the NSS, YRC, JIT Sustainability Cell (JITSuCe) actively involved in outreach activities with the neighborhood community. Every year the institution conducts NSS camp in the neighbouring villages for 7 days during the month of February/March and conducts social activities for the upliftment of the village.

Swachh Bharat

To make the students and the community focused on sanitation and cleanliness, Swachh Bharat programs are organized in the neighborhood community. Cleaning of the temple, school, village are carried out by the NSS team. The NSS volunteers insist on the importance of sanitation to the school children through various events.

Health Awareness

Various health awareness like AIDS awareness, Dengue Awareness, Asthma Awareness, Cancer Awareness is created among the rural people. The students also insisting on the importance of nutrition, yoga and physical fitness among the school children. In view of road safety, helmet awareness, road safety awareness are conducted for the public.

Gender Issues

The protection of girl children from abuse is also educated among school goers. The NSS team works towards the upliftment of the village women. They educate about women empowerment, government welfare schemes for women and girl child etc in villages.

Bandham Event

The institution with the motto of holistic learning strives to imbibe life skills through orphanage visit. Students are taken to an orphanage to learn about the life culture of the orphans. Our team educates, entertains the orphans and serves food for them.

Skill development programmes

Apart from outreach activities, extension activities are conducted in the institution for the rural school children.

- From the academic year 2016-17 onwards, NEET awareness program and NEET coaching to the rural school students are conducted, in collaboration with Rotary clubs of Avinashi, Somanur, Annur.and Tirupur.

- At JIT, in association with NYKSC, Rotary club of Avinashi and Somanur, skill development and career guidance program is conducted for higher secondary students from 2017 onwards.

- To improve the skills and increase the job opportunities of the polytechnic students, a skill development workshop is being conducted from the academic year of 2016-17.

Science and Technology Extension Activities

- With the support from the Department of Science and Technology, Government of India, National Children Science Congress project exhibition is conducted annually for school children across Coimbatore district. In 2017 & 2018, in collaboration with the Tamilnadu Science Forum, Thulir Tamil magazine and Jantar Mantar English magazine, a state level science Quiz Competition was

conducted.

- Galileo Science Club and JIT organized a one day workshop on Ham Radio Disaster Management and Satellite Communication on 03.11.2018. 367 Students (classes 8 to 12) and 52 teachers from various schools were participated.

- District Institute of Education and Training, Department of School Education in association with State Council of Educational Research and Training conducted a two days training on free and open source software for Government School Teachers on 26 and 27 March 2019 at JIT.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 0

3.4.2.1 **Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 year	[View Document](#)
e-copy of the award letters	[View Document](#)
Any additional information	[View Document](#)

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 80

3.4.3.1 **Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-**

wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
18	22	16	14	10

File Description	Document
Reports of the event organized	[View Document](#)
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	[View Document](#)
Any additional information	[View Document](#)

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 30

3.4.4.1 **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
253	389	340	327	368

File Description	Document
Report of the event	[View Document](#)
Average percentage of students participating in extension activities with Govt or NGO etc	[View Document](#)
Any additional information	[View Document](#)

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 9

3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	0	0	0	0

File Description	Document
e-copies of related Document	[View Document](#)
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	[View Document](#)

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 2

3.5.2.1 **Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
2	0	0	0	0

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	[View Document](#)
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	[View Document](#)
Any additional information	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

Jansons Institute of Technology is broadly built around in the 13.61 acres of land with well equipped laboratory, fully air conditioned Lecture halls, Library and Auditorium with all the demanding and significant technologies. All the facilities are available to each and every one in the institution to make it a better environment for academic activities. It has an extremely modern and state-of-the-art infrastructure that goes a long way in facilitating a number of services for the students as well as faculty members.

The lecture halls in the institution are well equipped with the projectors for audio visual based learning and also the sophisticated Wireless fidelity connectivity for a better learning experience. The lecture halls are also well maintained with proper visibility of the white board and better audibility. Guest lectures, Faculty development programs, symposiums are conducted for each and every year to equip the students with the emerging technologies and establishing the students with all the demanding needs needed for professional growth. The Sivaganga Auditorium is a fitting place to conduct events of importance. Its gallery-type seating for 459 persons, with a well-crafted décor, lends a professional touch to this august structure.

We have a huge drawing hall for the students belonging to the first year and also for the people with the specialization of mechanical engineering where around 125 students can sit and work at a time.All the computer labs are provided with the LAN as well as the Wireless fidelity for the people to connect to the network for their project related activities.

The PCs are installed with the software like Microsoft campus Volume licensing, Ubuntu, Android Studio, Hadoop, Turbo C++, Java, Net beans, Network Simulator, Micro wind, LAN Trainer, SiLab, Python, Xilinx, Putty, Oracle, Mysql, Xamp, Mentor Graphics, ArgoUML, Rational Rose, AutoCAD, Creo, Solid works etc. We have well maintained mechanical engineering labs for the students to learn about the basic principles of mechanical engineering like for fabricating projects using sheet metal, welding, etc..

The library acts as an avenue for students to take an educated detour into the world of engineering ideas. The library is so designed to cultivate in the student mind, an appreciation for peaceful self-learning. It has facilities like an In-house Cafeteria, Well-planned parking space, Stationery Shop and Dining area for Day-Scholar Students.

The Hostels are aesthetically constructed with a scrutiny to provide unsurpassed facilities to the students. There are separate and completely outfitted hostel rooms for boys and girls. The facilities in the hostels include individual mattresses, cots, along with cupboards and shelves for each student, attached bathrooms, Wi-Fi, 24x7 hot water facility, Laundry facility. Every block of the hostel has security personnel guarding it 24x7. It has the spacious dining hall where breakfast, lunch and dinner are served, with hygienic vegetarian and non-vegetarian fare, has been created for students to unwind after a hectic day. The tree-cloud quadrangle at JIT bestows students and staff something pleasant to take in and also functions as a great event space for functions and gatherings.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

The Institution offers bountiful amenities for the students to rivet with the various sports activities like Basketball, Volleyball, Football, Discuss throw, Relay, Shot put and indoor games like Carrom, Table Tennis and Chess. It helps our young mind to get relieved from stress and to inculcate leadership quality. Every year, sports day is organized to expose the talents of our students. The track and field games like sprints (100m, 200m, 400m), middle distance (800m, 1500m), long distance (3000m Steeplechase, 10,000m), Shot put, Discus throw, Relays (4x100m), Volleyball match, Throwball, Kho-Kho, Chess, Cricket etc., are conducted to keep them fit both mentally and physically.

To encourage and train them in all aspects, we have a well experienced and qualified physical trainer. Sports grounds with adequate space are available for outdoor games. Our Students energetically participated in various national and state level competitions and bagged several prizes. Our College football team participated in Anna University Zone IX Football Tournament and won Second Position. It's our pride that our students won prizes by participating in Anna University Zonal games and Athletics meet 2019 and also participated in volleyball and ball badminton tournament.

The Institution provides well equipped gym in girls and boys hostels to build their stamina, adapt to new challenges, shape their energies in a healthy way and also hone their physique. Cultural activities are conducted to rejuvenate our students' minds and showcase their talents like singing, dancing and painting etc. during college day. We have a music club to train students and excel in composing new tunes.

S.No.	Sports/Indoor or Outdoor Games/Gym/Yoga	Number of Courts	
		Men	Women
1	Basketball	1	1
2	Cricket	1	
3	Kabaddi	2	1
4	Tennis	1	
5	Volleyball	1	1
6	Football	1	
7	Outdoor Badminton	1	
8	Table Tennis	1	
9	Gymnasium	1	

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. *(Data for the latest completed academic year)*

Response: 50

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 25

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 34.71

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
11.73	170.47	117.92	235.19	325

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	[View Document](#)
Upload audited utilization statements	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The JIT-Central Library plays an integral role in supporting the information needs of the Students, Teaching staff and Supporting Staff of the institute. We make available an array of print and electronic resources which may be utilized to satisfy the curricular needs of the JIT community.

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

Autolib includes the following modules for the better accessibility of resources,

Cataloguing

It allows updating the books, Thesis, Reports, and other resources in the library and also adds the new member details. It controls the databases such as Author, Department, Subject, Course, Supplier/Publisher, Binding, City, Member Updating, Book Bank, Thesis, Standards, and News-Clippings etc.

Circulation

Circulation module deals with book issues, book return, bulk counter service, user transaction, Transfer of books and Binding Books.

Acquisition

It enables to order the books and process them by checking the indent approved. It also includes the details of supplier payment reports and invoice entry.

Serial Control

It includes various activities such as Journal Subscriptions, Issues, Renewal, Journal issue entry and Back volumes.

Search

It enables the user to search the books based on the keyword, name of the author and publisher. Different types of search are as follows,

- Simple Search
- Advanced Search
- Restricted Search

Administrator

Create new user login ID, Password and grant rights to access various modules Create group Master-to set due date, allowed cards for different documents for different categories

Reports

It generates reports such as user information, library collection, member accession details, journal information, database report, user log report and binding report. It also provides the statistics of the required data.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

4.2.2 The institution has subscription for the following e-resources

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases
6. Remote access to e-resources

Response: D. Any 1 of the above

File Description	Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 1.04

4.2.3.1 **Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
0.05	0.26	0.02	1.53	3.32

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 18.05

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 172

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The institution has massive information technology facilities including the internet connection spread over the campus and they are updated frequently whenever there is a demand. Regularly updated IT infrastructure in the institute providing students the facilities of e-mail, internet browsing, uploading or downloading the study contents, to attend the contest arranged by MNCs, preparing for projects and seminars, corporate proctored online recruitment process etc.

The institute is equipped with 421 computers along with LAN connection which provides the internet connection. Each class room, auditorium and seminar hall have attached LCD projectors. The institute has the fiber optic cable network which enables the reliable network connection 24x7 .All the systems are connected to uninterrupted power supply for nonstop usage. The connection is established all over the institute which includes hostel blocks, library, lecture halls and laboratories. The college has full fledged sophisticated servers which provide the higher connectivity speed and also ensures that the internet is available in the institute at any time on a given day. To have the hassle free internet connection across the institute, it is provided with 75 Mbps bandwidth. All the internal communication will happen through the emails associated with each and every member of the institution.

The Campus networked to a server (JITSERVER) running Windows Server 2012 Enterprise Edition and Campus application server (JITCMS) running Windows Server 2008 R2. The storage capacity for JITSERVER and JITCMS is frequently updated on the need basis. They are sharing a dedicated 75 Mbps Leased Line (Airtel) internet connection, and have a website (jit.ac.in) and Google Apps email (Free educational subscription) under the domain name of jit.ac.in. It has computers ranging from Dual Core to

Core I3 computers. The network cabling is all CAT6, and connected to the L2 Switches in different places on the campus.

The hostels have a dedicated fibre optical Network with Wifi facility. The campus is interlinked with copper structured cabling network with the proper network topology. We have a specially configured Sophos Hardware firewall, Synchronized Next Generation Firewall and Advanced Endpoint Security for the Ultimate in Visibility, Response and Protection. 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.

The institution uses many open source software and licensed Software which also will be periodically updated whenever required. The Wireless Fidelity across the institution leverages the students to surf the internet and think out of the box to satisfy the demands of the professional world. It also affords a platform for e-content development where the valuable lectures of our faculties are captured with high quality audio and video. The software's are constantly being upgraded as per the needs of the university for the betterment of students to ensure flawless knowledge transfer.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 7.04

File Description	Document
Upload any additional information	[View Document](#)

4.3.3 Bandwidth of internet connection in the Institution

Response: A. ?50 MBPS

File Description	Document
Upload any additional Information	[View Document](#)
Details of available bandwidth of internet connection in the Institution	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and

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

Response: 5.03

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)**

2018-19	2017-18	2016-17	2015-16	2014-15
26.7	23.1	21.8	18.3	19.1

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<u>View Document</u>
Audited statements of accounts	<u>View Document</u>

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

The Institution cultivates established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, and classrooms etc. The standard operating procedure is designed in a way to ensure the system operates as per the rules and regulations.

Infrastructure Maintenance

Most of the Physical Facility of the campus is based on AMC (annual maintenance contract).We have an internal staff team to take care of all the maintenance activities inside the campus. The Electricians and plumbers visit the campus on a regular basis to clinch the proper functioning of the components. The Maintenance register is recorded for any discrepancies and it is updated whenever there is a need. If there is fault/repair in the fittings, required actions will be taken by the electricians and plumbers to resolve the issue in the early stage.

Laboratory Maintenance

We have supporting staff to ensure proper working of all the systems/equipment in the laboratories. Individual systems are given to the students to inculcate their practical skills. The Lab admin takes care of software installations, firewall protection and antivirus updating. If the problem cannot be resolved by our technical team, we rely on the dealers to sort out the problem.

Each department maintains the supplier list for the laboratory, so that their performance is evaluated based

on the products performance. The consumable requirements for each laboratory are assessed at the end of the semester and made available for the forthcoming semester.

Details of any broken instruments / lost instruments are recorded in the breakage register and actions are taken to replace the instruments. Electrical and Mechanical equipments are taken up for calibration and precision measurement as and when required. The diagnostic equipment is calibrated periodically for precise measurement.

Air Conditioner Maintenance

All air conditioner filters, coils, and fins are cleaned and changed if required for the seamless performance.
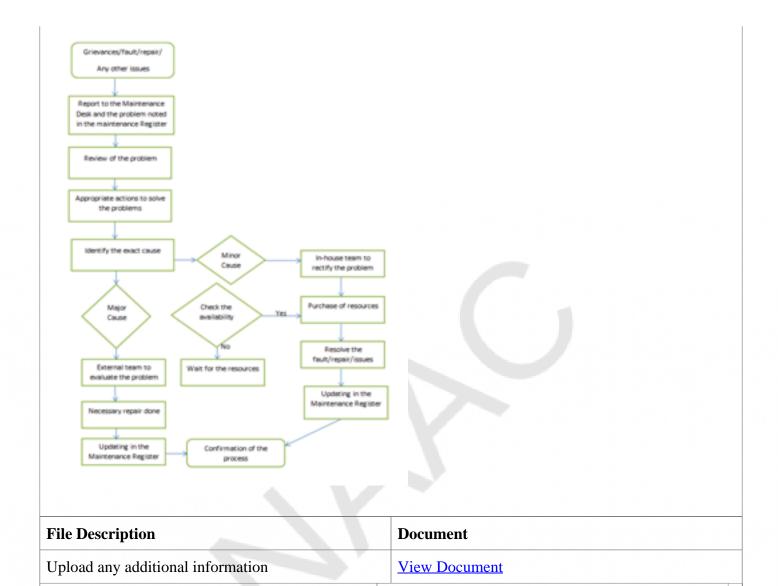
Library and sports Maintenance

The library maintains the book bank and the latest books are updated in the library for the students to enrich their knowledge. The Physical Education Trainer updates the sports equipment and it is maintained to the highest standard to make certain the safety of the players.

Housekeeping Maintenance

We have an in-house team to clean the Lecture halls, laboratories, college floors and restrooms everyday. Vacuuming floors and carpets is done on a regular basis to assure a healthy learning environment. The Filter in the water doctors are changed and cleaned as and when required.

Gardening on the campus is adequiately maintained with drip irrigation conserves water by allowing to drip slowly to the roots of plants. For a healthy and eye-catching environment, grass cutting services are carried out regularly by our in-house team members.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 32.92

5.1.1.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2018-19	2017-18	2016-17	2015-16	2014-15
271	334	361	436	495

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	[View Document](#)
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 0

5.1.2.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

File Description	Document
Upload any additional information	[View Document](#)
Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)	[View Document](#)

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

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

Response: B. 3 of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	[View Document](#)
Any additional information	[View Document](#)
Link to Institutional website	[View Document](#)

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 0

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

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	[View Document](#)
Any additional information	[View Document](#)

5.1.5 The Institution has a transparent mechanism for timely 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: C. 2 of the above

File Description	Document
Upload any additional information	[View Document](#)
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)
Details of student grievances including sexual harassment and ragging cases	[View Document](#)

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 34.32

5.2.1.1 **Number of outgoing students placed year - wise during the last five years.**

2018-19	2017-18	2016-17	2015-16	2014-15
78	51	88	288	175

File Description	Document
Upload any additional information	[View Document](#)
Details of student placement during the last five years (Data Template)	[View Document](#)

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 51.21

5.2.2.1 **Number of outgoing student progression to higher education during last five years**

Response: 148

File Description	Document
Details of student progression to higher education (Data Template)	[View Document](#)
Any additional information	[View Document](#)

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 40.04

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

2018-19	2017-18	2016-17	2015-16	2014-15
10	12	06	07	2

5.2.3.2 **Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
74	30	10	15	5

File Description	Document
Upload supporting data for the same	[View Document](#)
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	[View Document](#)

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 53

5.3.1.1 **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) year-wise during the last five years.**

2018-19	2017-18	2016-17	2015-16	2014-15
13	12	18	7	3

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
Any additional information	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

The Institution provides ample opportunities for developing technical skills, updating knowledge, personality development and service to the society through various associations, club activities and societies.

JIT Student representatives are involved in Department Academic Council, IQAC,Department Association, Club activities, Class Committee meeting, Societies, Hostel, Anti-ragging, Grievance cum redressal, NSS and YRC.

The senior students involve themselves in the teams which give orientation to the newcomers every year. Freshers day will be organized by the seniors students to develop bonding between them. Participating in such activities nurtures leadership skills and team spirit in the students.

Students of II, III and IV year take responsibility for the conduction of various state and national level technical and non- technical events like symposiums, seminars, conferences, and workshops.

Class committee meetings will be conducted with 9 student members including slow learners, advanced learners, few girl students and hostel students along with faculty members to meet their academic needs. General grievances will be addressed by the chairperson. Online feedback will be collected from the students twice in a semester and necessary actions will be taken based on the report.

Students take active participation in the various activities organized by NSS, YRC, Tamil mandram, women empowerment cell, etc. The Institution has Students' Chapters of Professional Societies in all disciplines, which provide avenues for the development of technical skills, updating knowledge, personality development in addition to exposure to working in systems of organized structures. The college has chapters of Professional Societies, namely, Indian Society for Technical Education (ISTE), Institute of Electrical and Electronics Engineers (IEEE).

The students involved in various social responsible activities like :

- School campus Cleaning

- Drugs and its ill effects

- Electricity Management

- Games for School Children

- Role of youths in Environmental Conservation

- Agricultural land visiting

- Awareness Street Drama

- Dengue and Ziga Virus Awareness Programme

Orphanage visits will be organized in the name of BANDHAM where the students conduct various events to motivate them followed by cultural progam.

IEEE student branch is actively organizing various activities like IEEE spectrum discussion, IEEE student paper contest, technical workshops, etc. Students have received best volunteer award from IEEE MGA (member and geographical activities). Students had recognized as members in various committees of IEEE Region 10. Based on the various activities done by JIT IEEE Student branch, IEEE madras section has awarded students activity committee award (SAC) continuously for the years 2016, 2017 and 2018.

Student representatives of various houses in the JIT Sports club take the opportunity to conduct various intramural activities followed by the sports day. House captains will meet the students of various branches and motivate them to participate in various sports events.

JIT-Hostel representatives will inquire about the positive strength and points for improvement particularly in academics, health, food menu and recreation.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 14.4

5.3.3.1 **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
20	15	18	19	0

File Description	Document
Upload any additional information	[View Document](#)
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	[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 organizations have special opportunities to influence the experience of prospective and current college students. The Alumni Association provides an interface for establishing a link between the alumni, staff, and students of the institute. The alumni association was formed in the year 2014 in our Institution. Most of the alumni of our institution are successful in their careers as Entrepreneurs, Employees, doing post-graduation courses, soft skill developers, etc. The alumni meet is conducted once in a year, wherein the pass-out students of under graduate and post graduate programs share their views with their juniors and give their suggestions towards the betterment. Many of our alumni are serving in various countries in pursuit of either higher studies or employment.

Alumni details are collected where they can give their updated profile.Many distinguished alumni serve as role model for the current students. Alumni are invited to address the juniors in their department whenever they find time. They share their experiences regarding time management, self-discipline and career management often found to be more useful and inspiration for students. This type of interactions helps juniors to get useful awareness about the opportunities and challenges ahead of them.

Alumni meets are organized during every graduation day where they share their experiences, knowledge and to develop a strong bond between the pass-out students and current batch and helps them to get the

best career guidance of their choice. Apart from this, the alumni during their visit to the institution they deliver guest lectures on career guidance in their areas of expertise and motivate the young minds.

The Alumni Association Contribution through various means as follows,

1. Alumni Interaction: Alumni of various departments give inputs to aspiring graduates. They are invited as resource persons at various events, guest lectures and to deliver the motivational speech. They provide inputs and share their experiences regarding skills, recent technologies and industrial requirement and trends in the corporate world, application of knowledge and corporate working culture.
2. Placement & Career Guidance Assistance: Alumni are working in various national and international organizations. They keep the faculties and the placement officer abreast about the available job opportunities. 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.
3. Campus recruiters: Alumni who are entrepreneur visit the campus as recruiters for their companies and also recommend to their employers for campus placements.
4. Summer Internship Opportunities: Alumni provide opportunities for our students for undergoing the internships and developing the projects.

File Description	Document
Paste link for additional information	[View Document](#)

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: E. <1 Lakhs

File Description	Document
Link for any additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

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 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.

The institution has established effective leadership in tune with the vision and mission to empower and create young professionals by imparting value-based technical education, exhibit students to new ideas and impart them a sense of professionalism. The institution facilitates staff and students to set out on a journey of intellectual and professional progress by promoting participative management in both academic and non-academic activities.

The Governing Council of the Institute provides opportunities for open and heartfelt communication which makes the environment in the Institute free, fair and transparent to all stakeholders of the institute. They have dedicated themselves to the overall development of the college.

IQAC will become a part of the institution's system and work towards the realisation of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of Institution.

Each individual department having the Department Academic Council comprises Academic and Industrial expert, Parent and Alumni representative, Students and so on. DAC will review the performance and plan the activities of the department.

Stakeholders have a substantial impact on the effectiveness of the institution functioning. They are supposed to be involved in the evaluation of courses and to participate in internal quality assurance via decision-making and quality management processes to lead the institution in an effective manner.

Perspective Plan

- Enhancing the quality of Teaching – Learning
- Promoting the research culture among the faculty and students to meet out technology transfer
- Create a strong relationship with Industry/ Institute / Alumni Interaction enabling better placements, training and consultancy.
- Creating social, moral, environmental awareness by following best practices such as paperless campus, one student one tree, value education, community service etc.
- Improve student intake and their quality.

Participation of the teachers in the decision making bodies:

Participative Decision Making is the most powerful component of the whole management process. The plans and policies of the institution are framed as per the collective inputs given by GC and DAC members and are implemented effectively for the academic year. The Principal leads the academic and administrative bodies. HoDs along with faculty members are empowered to make the decision for various activities of the department and also various committee members so that they can get involved in decision making. Student members actively take part in various functions and committees to organize and are encouraged to give ideas pertaining to the growth and betterment of the institution.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

The institution practices decentralization and participative management

JIT promotes and practices decentralization pattern with its quality policy of decentralized governance in all the academic and administrative activities. It has various academic and administrative committees to monitor the plan and execute the smooth functioning of the Institute.

Board of Governance/ Governing Council, comprises of trustees of JIT, Industry Experts, Eminent Educationists, Representatives of statutory bodies, Stakeholders, The Principal and other faculty members of the institute are responsible for planning the policy for development, Institutional Budget of academic, research growth of the institute and other extension activities.

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 Principal to all HOD's of various departments in academic and administrative work pertaining to their respective department.
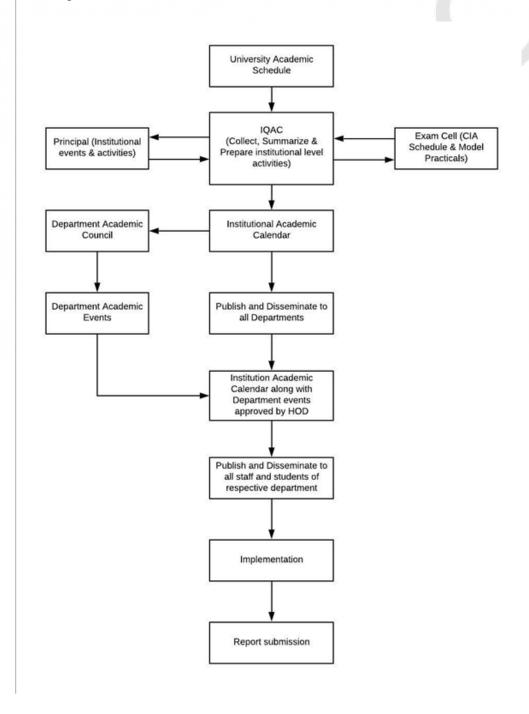
Frequent meetings are conducted both at the department level and at the institutional level. The faculty and

students have the freedom for democratic participation in expressing requirements for additional laboratory equipment, library books, enhanced infrastructural facilities, facility to work beyond college hours, curricular enrichment etc. with the appropriate approval from management.

The students of the college take an active part in the governance of the activities on the campus. They are assisted by a group of class coordinators who represent their respective classes. This results in the effective and proper execution of the work and promotes cooperation among management, staff, and students.

Case Study I - Academic Calendar

The academic calendar designed by the institute provides strategic direction, a set of broadly defined benchmarks and a series of guideposts for the journey along the semester. The ideas in this plan are meant to guide our work, help us focus on our priorities, and along with our vision, inspire us to move forward in exciting new directions.

Case Study II – Purchase of Books and Journals for Library

Libraries are very essential in academic institutions to provide sensible, needy information to students, faculty and research scholars to fulfill their academic needs. In this scenario, library resources and services can play an important role. To provide academic needs, building up library collection means acquisition, selection, evaluation and preservation of resources according to the requirement.

The details of the books required are identified by the faculty members based on the subject allocation before the commencement of each semester or new program, other books of relevance and recommendations of students and faculty being handled through LB01 and submitted to the Librarian (after verification by dept. Library i/c) with the approval of HODs.

The requirements received from various departments are consolidated. Management may decide to review the requirements and to ensure that the total budget falls within the approved budget. Based on this order is placed with the approved supplier with the approval of the Principal. Purchase order indicates details of books (volumes, price, discount agreed and delivery date). Based on the order placed, suppliers are followed up for the timely supply of books.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The College was established with five engineering branches in the year 2009 with a vision of giving world-class technical education. Subsequently, 3 PG courses were added. To achieve the vision, the college has taken many initiatives. With a focus on giving value-based technical education with state of the art infrastructure, the college has regularly enhanced its infrastructure with all the classrooms facilitated with ICT and well-equipped laboratories.

To empower students in professional careers, the department organizes Industry Readiness Course to enhance student's knowledge in recruitment; interview process making them ready for industry needs.

Apart from different facilities the institution also offers entrepreneurship opportunities to the students through the Entrepreneurship Development Cell (EDC) and Incubation centre.

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.

Example of activity successfully implemented based on strategic planning:

Promotion of Research among the faculty and students

Objectives:

- To upgrade the qualification and knowledge of the faculty and students
- Encourage publication in quality journals.
- To practice and create more research activities in the institute

It was perceived well ahead by the Institution that, learning new skills is one of the best ways to become more successful in our career. The initiative supported by the management has motivated many faculty members to pursue their Ph.D. degrees. The faculties are given extensive on duty to complete their research work. To create a research culture in the institute, the management encourages the faculties and students to publish the articles in journals with impact factor.

File Description	Document
Upload any additional information	[View Document](#)
strategic Plan and deployment documents on the website	[View Document](#)
Paste link for additional information	[View Document](#)

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

Jansons Institute of Technology (JIT) have the vision to be at the forefront of Technical Education and Research worldwide. JIT is the second venture of the Jansons Foundation in the field of Higher Education. JIT offers Bachelor's Degree programmes in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering and Civil Engineering.

JIT has a well established organizational structure to execute the smooth functioning of administrative and academic areas. Various bodies are formulated which constitute the organizational chart. Governing Council is the highest decision making body constituting members from the management, Principal, Industrialist, members from Anna University, AICTE, State government, and nominated faculty members.

Administrative Setup

Governing Council takes policy decisions admiring the academic and administrative affairs of the institution. GC dedicated themselves for 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. He 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. They make decisions concerning department affairs. Faculty embrace their positions like Class Advisors, Mentors, Course Coordinators and so on. They are responsible for effective curriculum affairs and address the grievances of students if any. Administration team makes decisions regarding the entire administrative transactions of the institution. 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 to meet the needs of all its users.

Service Rules, Recruitment and Promotion Policy:

The service rules, the recruitment procedure and the promotion policies are framed in accordance with the norms of AICTE, and Anna University. Service rules are approved by the Governing Council

Grievance Redressal Mechanism:

Grievances from the students, faculty or staff if received are discussed and the necessary remedial actions are taken immediately.

File Description	Document
Paste link for additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

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

Response: B. 3 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP (Enterprise Resource Planning) Document	[View Document](#)
Details of implementation of e-governance in areas of operation, Administration etc	[View Document](#)
Any additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Teaching Staff

- Providing extensive Casual Leave
- Maternity leave for one year and with faculty requests may extend for another 6 months
- All the non-doctoral faculties are encouraged to get enrolled for PhD programs in various Universities. Providing extensive on duty to pursue PhD
- Providing extensive on duty for Research Activities
- Registration fees are paid for attending conferences, workshops and FDPs in their field of interest.
- Faculty Knowledge up-gradation through conducting professional development /administrative training programs organized by the institution
- Staff members are covered under group Insurance
- Providing Food for faculty in the college hostel mess at nominal price
- Providing Transport facility at affordable fare
- Providing accommodation in the hostel at affordable cost
- Providing financial support to attend and present research papers at national level and international level conferences and refereed journals
- Employee Provident Fund and Pension Schemes
- Special leave for religious festivals
- Winter and summer vacations
- Blazers for all lady teaching staff for comfortable teaching
- Cafeterias and Stores

Non-Teaching Staff

- Providing extensive Casual Leave
- Faculty Knowledge up-gradation through conducting professional development /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
- Winter and summer vacations
- Free transport
- Providing Free Food in the college hostel mess for office staff and for technical staff at an affordable cost.
- Cafeterias and Stores

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 10

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**

2018-19	2017-18	2016-17	2015-16	2014-15
09	08	13	16	21

File Description	Document
Upload any additional information	[View Document](#)
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	[View Document](#)

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 20.8

6.3.3.1 **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
23	27	22	16	16

File Description	Document
Upload any additional information	[View Document](#)
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	[View Document](#)

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 10.47

6.3.4.1 **Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
16	19	13	12	11

File Description	Document
Upload any additional information	[View Document](#)
Details of teachers attending professional development programmes during the last five years	[View Document](#)

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The institution effectively monitors the performance of faculty and staff through performance appraisal system. The appraisal system includes self-appraisal and HoD appraisal for faculty members. For technicians, an appraisal is made by respective Department HoDs.

Each and every faculty member completes the self-appraisal procedure every year in the prescribed format. It gives the details of the performance and participation of the faculty in the department/college level. Self-appraisal is done on the basis of the following points.

- Subject taught
- Result of University Exam
- Seminar/ Workshop attended
- Extra-Curricular / Co-Curricular activities assigned (Organizing student chapter /Value added courses/MoU activities/Guest lecture/Symposium/Industrial Visit/FDP /Workshop)
- Paper publications in indexed journal with impact factor
- Funded projects/grants received/Consultancy received, applied/ Award and patents received/registered
- Quality of the projects
- Contribution at the college level
- Mentoring and assisting the student
- Feedback report of students from HOD

The evaluation process reviews the performance appraisal for suitable suggestions and remedial actions for regularizing the staff performance.

For technicians and staff, the following components are considered.

- Execution of task assigned
- Upgradation of technical and non-technical skills
- Work ethics and discipline
- Dress code, neatness and conduct
- Involvement and contribution in working as a team

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The college is a certified and self-financed institution. It calls for regular internal and external auditing and maintains a transparent record of all financial transactions. Internal audit is conducted once in a month and twice in a semester, an internal and an external one. The first audit is conducted at the beginning of the semester and the second one towards the end of the semester. External Surveillance Audit is conducted by Chartered Accountants. Vouchers, TDS, bills, quotations, purchase orders and authorization of payments are examined by the auditors. Quotations are sought from vendors, genuine ones are identified and the Chairman's approval is taken before finalising the vendors. The final approving authority for any financial transaction is the Chairman. Both the internal and external auditors also check the payrolls, attendance, Form 16, TDS deduction, documentation of tax proofs, etc. The external auditor for the institution is appointed by the Jansons Foundation. The external auditing goes on for two to five days and after the completion of it a report is submitted to the college. Any kind of feedback or suggestion is intimated to the accounts department. The institute uses accounting software Tally ERP9 has a record of maintaining error-free accounts.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 0.37

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0.20	0.00	0.02	0.15	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document
Any additional information	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

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 target of the institution ensuring accountability and transparency. The harmonized Governing Council coordinates and monitors the optimal utilization of the funds for the promotion of learner-centric ecosystem.

- The Institution is a centrally managed non-profit organization with honorary governingcouncil members which ensures the income generated is spent optimally in the institution itself
- A financial department is in place to manage the managed funds.
- Funds are provided to meet the infrastructure requirement of the institution while starting new programmes and centers
- The management provides financial supports to seminars/workshops/expert talks/association activities/faculty development programmes
- The extracurricular activities of the students are a major concern and adequate funds provide for sports and cultural activities
- Scholarships are granted to the deserving students
- Provident fund(PF) benefits are provided to the management appointed staffs
- 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 are optimally used for which it is sanctioned
- Transparency and accountability is ensured by conducting an annual audit.
- Financial support provided by the government agencies are audited by the respective Government Departments

Grants and funds sanctioned by Management

1. The institution has a financial department for Management of accounts and all the accounts sanctioned are audited internally as well as externally. On behalf of the Management, all daily transactions are verified by the Administrative Officer/Office Executive Assistant/Accountant of the college.

2. The internal audit of management accounts is done by the Administrative Officer/Office Executive Assistant. He verifies all financial transactions and submit a detailed report of observations based on the observations given by internal auditor.

3. The master key for taking financial decision and related matter are The Principal and Governing Body who constantly monitor and encourage for the proper utilization of allocated funds as per need. The funds are allocated to each department during the preparation of yearly budget. This budget is generally for the requirement or up-gradations. Financial matters are closely monitored by the Administrative Officer/Office Executive Assistant/Accountant. In case of any need where the financial support is required, proper demand in writing is made from the concerned department. For e.g. in case of any requirement, the details of the requirement of the equipments, maintenance infrastructures etc are prepared and proper procedure for purchase is adopted. A statement of accounts containing details of income and expenditure, including budgetary is placed in front of The Management. He will approve the demand of the various department on guidelines with the Governing council.

File Description	Document
Upload any additional information	[View Document](#)
Paste 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

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 Departmental Quality Procedure which guides the organization functioning as listed below,

1. Quality Assurance
2. Admission
3. Academics
4. Examination

5. Library
6. Training and Placement
7. Physical Education
8. Faculty and Staff Development
9. Administration

IQAC has contributed significantly to quality assurance strategies and processes and few of them are as follows,

Quality Procedures: All the academic and administrative activities are documented as quality procedures which define the activities and how it must be proceeded for ensuring delivery of quality education.

Internal Audits: Academic and Administrative Activities are audited for every six months by trained internal auditors to check the quality of teaching, learning, and supporting processes. Deviations are identified for which corrections and corrective actions are taken to ensure quality.

Content Beyond Curriculum: Apart from curricular activities prescribed by Anna University, content beyond curriculum is delivered through Industry Readiness Course/Value Added Courses, Seminar, guest lectures, Workshops, Webinars, and Technical events.

Faculty and Staff Development: Opportunities for self-development for Faculty members are offered by encouraging them to attend Faculty Development Programmes, Workshops, Conferences etc. Research culture is nurtured by providing ample opportunity for research scholars to pursue their research activity by moral support, providing on-duty etc.

Research, Innovation and Entrepreneurship: To promote research and innovation initiatives such as Institution, Innovation Council, Intellectual Properties Right Cell and Entrepreneurship Development Cell is established. Various project proposals, knowledge sharing/acquiring programs proposals for workshops and seminars are regularly submitted to Government and Non-Government agency.

Enhancing Student Activities: All students are encouraged to participate in technical and not technical activities to enhance their technical, interpersonal and leadership skills. Students organize various activity through the through technical and non-technical clubs to exhibit and enhance their skills. Sports activities are encouraged by organizing intramural sports and game activities among the various houses. Students are encouraged to publish their finding from project work in journals and conferences.

Stakeholders Feedback: A feedback mechanism is established to collect the feedback from all the stakeholders and to address their needs and expectation. The feedback is collected, analysed and further actions are initiated.

Teaching Learning Process: Outcome based education is implemented and the attainment of outcomes are monitored by IQAC. The quality curriculum plan, delivery and assessment are assessed by various methods like feedback, class committee meeting, course committee meeting and internal audits.

JIT eEDU – A flipped classroom strategy: To enhance the teaching and learning experience and to cultivate self-learning practice, ICT enabled flipped classroom strategy in teaching and learning is introduced. This includes publishing learning resource materials, conducting assessments (quiz, assignments etc) in LMS to enable self-paced learning.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives   )

Response:

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. All the process involved in teaching learning is defined and actions to be taken is defines as quality procedure "QP03 – Academic Process". The method of communication, monitoring, responsibility, and control measures of academic process is defined and the same is effectively implemented and monitored by IQAC.

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.

Whenever an Industry Readiness Course/Value Added Course is offered a feedback is collected from the students and the same is assessed by IRC/VAC coordinator in consulting with HoD. Based on the report of the course by the course coordinator and based on feedback improvement actions are recommended and the progress is monitored.

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.

Review of orientation training provided for newly joined faculty members are reviewed by respective Head of the Department and the effectiveness is verified. Faculty members undergoing any kind of training including seminar, workshop, Faculty development programme etc submit a report the training and the effectiveness of such training is review by respective Head of the Department.

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 ant 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.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.5.3 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: D. 1 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	[View Document](#)
Upload details of Quality assurance initiatives of the institution	[View Document](#)
Upload any additional information	[View Document](#)
Paste web link of Annual reports of Institution	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

At Jansons Institute of Technology women and men, and girls and boys, enjoy the same rights, opportunities, resources and protections. The gender friendly campus builds a harmonious relationship between all students. All programs offered are common to all genders without any bias or reservation. Women and girls are treated with dignity and respect. And our institute strengthens the potential of young girls and boys to advocate for gender equality and monitor the progress towards gender justice. The Institution provides equitable and inclusive work environment to all employers to have equal opportunities to contribute, benefit and reach their potential.

Internal Women Care Cell (IWCC)

The IWCC is established in JIT with the prime motive to promote and uphold gender equity and sensitization. IWCC and grievance cum redressal committee provide overall guidance and monitors the peer group in integrating / mainstreaming gender in all activities without any bias. IWCC organizes awareness programmes on various gender issues and gender equity programs.

Women In Engineering (WIE)

JIT-WIE is a part of IEEE Women in Engineering community, which is one of the largest international professional organizations dedicated to promote women engineers and scientists. JIT-WIE organises workshops to enhance networking, promotes leadership qualities of women engineers and inspiring girls to follow their academic interest in engineering and facilitate women engineers to reach their goals by providing opportunities in international and national level summits and events.

The promotion of gender equity is reflected by the following facilities/measures ,

- 24x7 CCTV/Cameras covers entire campus and in classrooms for safety reasons
- Proper entry and exit of visitors are registered and closely monitored.
- Security guards are deployed round the clock at various places in the academic buildings and on the campus to ensure the safety and in-house hostel wardens available 24x7 in both boys and girls hostel.
- Proper lighting, security and transportation facility provided for students and faculty members when they extend working hours for academics and research activities
- IWCC for addressing Women's/girl's grievance
- Mentors are allotted for all students (its ensured either mentor or class advisor is a female faculty for girl students) and they provide personal guidance/discussions and guidance related to career and placements, encourage the students to attend training programs conducted by the placement cell and also motivate the students for self learning
- Feedback and suggestions are received through mentors/class committee meetings etc
- Separate common rooms are available for both boys and girls students with dressing mirrors, chairs

and tables for personal and medical needs and are located on the ground floor itself for easy access
- Both male and female attender are available in the common room and also maintain cleanliness
- Orientation programmes at the beginning of the semester
- Lectures, workshops and seminars on gender issues
- Awareness programs and camps are organised to promote gender equality
- Competitions like debate, elocution etc on gender equality, women empowerment are organized
- Signboards/notice boards are available in the campus containing information/message on gender issues and helpline number

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Link for annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. **Solar energy**
2. **Biogas plant**
3. **Wheeling to the Grid**
4. **Sensor-based energy conservation**
5. **Use of LED bulbs/ power efficient equipment**

Response: C. 2 of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

The Institution is conscious of its responsibilities to the environment and has taken the following initiatives in waste management to maintain an eco friendly campus.

Solid Waste Management

- The major solid waste which is generated in the campus includes Paper, Leaf litter and Kitchen waste.
- All departments and classrooms are provided with dustbins for dry wastage which are emptied every evening. Segregation of waste from the dustbins is done regularly, thus maintaining the campus and keeping it clean and green.
- Single sided used papers are reused for writing and printing in all departments. Most of the documents are maintained as soft copy. Paper free communication in its extreme priority is being practiced in the campus.
- Metal and wooden waste is stored and given to authorized scrap agents for further processing.
- From the kitchen and mess the food waste is collected and given to authorized agents for further beneficial use/disposal.

Liquid Waste Management

- The College has installed Sewage Treatment Plant of 100 KW to treat wastewater that are carried through the underground pipelines.
- Periodic check-up of plumbing lines is undertaken to ensure minimal loss of water due to leakage.
- Effective reuse of rejects from RO plant is being used for irrigation of trees and plants.

E-waste management

- The e- wastes like computers, keyboards, mouse's etc are collected and are replaced/disposed as per the existing AMC.
- The computers, printers, laboratory equipment etc. are periodically serviced and maintained properly by an Annual Maintenance Contract..
- UPS Batteries are recharged and replaced by the suppliers.
- The components of electronic equipment are recycled properly. Instead of buying a new machine, the buyback option is taken for technology upgradation.
- Printer Cartridges are generally refilled and it is returned to the suppliers when refilling is not possible.
- All damaged or non-functional electronic materials (e-waste) is returned to the suppliers.

Waste recycling system

The treated wastewater from the Sewage Treatment Plant is being effectively recycled for plants and trees in the campus.

Utility:

- No. of litres of water used per day in JIT (both hostel & college) = 2, 50,000 litres/day (Includes laundry utility too)
- The capacity of the Sewage Treatment Plant system is = 1,00,000 litres/day.
- The quantity of treated sewage water from STP = 36,000 litres/day.

The treated water is recycled only for gardening purposes as it is not suitable for other purposes.

Chemical waste management

Following treatment methods are adopted in the chemistry laboratory

- All the equipment is dried in the HOT AIR OVEN before and after usage.
- Solutions are prepared in very dilute concentrations and given to students.
- Demineraliser units are used for the purification of water.
- The water waste released from the laboratory is very dilute and it is discharged along with domestic effluent from academic block.
- Water waste needs no further treatment since they are in dilute condition which will not cause pollution to the environment.

File Description	Document
Any other relevant information	View Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Link for Geotagged photographs of the facilities	View Document

---

7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: C. 2 of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

08-01-2022 10:48:38

Response: C. 2 of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions / awards**
5. **Beyond the campus environmental promotion activities**

Response: B. 3 of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Certificates of the awards received	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Divyangjan friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: C. 2 of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Details of the Software procured for providing the assistance	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

Jansons Institute of Technology offers an inclusive environment for teaching and learning activities without any prejudice towards cultural, regional, linguistic, communal and socio economic differences. The NSS, YRC and Social Responsibility Club - Bandham organises community service activities and awareness programs which develops social responsibility among the students. The students engage themselves in the extension activities by visiting orphanages, old age homes, schools and villages. These activities help the students in understanding the social, environmental and cultural factors driving the society and allow them to work on it to create an inclusive environment.

The institution offers a barrier free environment and offers equal opportunity and resources for students and staff who follow different cultures, religion, language etc. Linguistic diversity adds new shades of cultural richness in social life, students from various states pursue their degree programmes in the institution and the medium of instruction is English.

Different cultural festivals like onam, pongal etc, are celebrated at the Institution which nourishes the cultural diversity and cultural tolerance as a key to social harmony. To nurture communal harmony National Unity Day, Constitution Day, Independence Day, Republic Day, Vigilance Awareness Week, Voters Day celebrations are organized.

To sensitize students in communal and socio economic diversities NSS conducts regular activities and Special Camping programmes. Under the Regular Activities, students are expected to work as volunteers for a continuous period for rendering community service. Under the Special Camping Programme, a camp of 07 days duration is conducted every year in the adopted area on a specific theme. The nature of activities taken up under NSS continues to evolve in response to the needs of the community.

The students are encouraged to donate blood to the needy persons on emergency call. The YRC organises health awareness programmes inside and outside Institution campus.

File Description	Document
Link for any other relevant information	[View Document](#)
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

Jansons Institute of Technology offers an inclusive environment for teaching and learning activities without any prejudice towards cultural, regional, linguistic, communal and socio economic differences. The NSS, YRC and Social Responsibility Club - Bandham organises community service activities and awareness programs which develops social responsibility among the students. The students engage themselves in the extension activities by visiting orphanages, old age homes, schools and villages. These activities help the students in understanding the social, environmental and cultural factors driving the society and allow them to work on it to create an inclusive environment.

The institution offers a barrier free environment and offers equal opportunity and resources for students and staff who follow different cultures, religion, language etc. Linguistic diversity adds new shades of cultural richness in social life, students from various states pursue their degree programmes in the institution and the medium of instruction is English.

Different cultural festivals like onam, pongal etc, are celebrated at the Institution which nourishes the cultural diversity and cultural tolerance as a key to social harmony. To nurture communal harmony National Unity Day, Constitution Day, Independence Day, Republic Day, Vigilance Awareness Week, Voters Day celebrations are organized.

To sensitize students in communal and socio economic diversities NSS conducts regular activities and Special Camping programmes. Under the Regular Activities, students are expected to work as volunteers for a continuous period for rendering community service. Under the Special Camping Programme, a camp of 07 days duration is conducted every year in the adopted area on a specific theme. The nature of activities taken up under NSS continues to evolve in response to the needs of the community.

The students are encouraged to donate blood to the needy persons on emergency call. The YRC organises health awareness programmes inside and outside Institution campus.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	[View Document](#)
Link for any other relevant information	[View Document](#)

08-01-2022 10:48:40

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. The Code of Conduct is displayed on the website
2. There is a committee to monitor adherence to the Code of Conduct
3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

Response: B. 3 of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	[View Document](#)
Code of ethics policy document	[View Document](#)
Any other relevant information	[View Document](#)

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

Our students are on a mission towards a better India. They come together breaking the boundaries of religion and caste. The institution celebrates Days of National Importance like 'Independence Day' and 'Republic day' with fervor and festivity. One of the most memorable days in Indian history is 15 August. It's the day on which the Indian sub-continent got independence after a long struggle. Three national festivals are celebrated by the whole nation as one. One being the Independence Day (15 August) and the other two being Republic Day (26 January) and Gandhi Jayanti (2 October).

To relive the moment and to enjoy the spirit of freedom and independence we celebrate Independence Day and to remember the sacrifices and lives we have lost in this struggle. Besides, we celebrated it to remind us that this freedom that we enjoy is earned the hard way. Apart from that, the celebration wakes up the patriot inside us. Along with celebration, the young generation is acquainted with the struggles of the people who lived at that time.

The main objectives are to develop interaction between society and educational institutions, to sensitize the citizens so that the norms and values of human rights and duties education programme are realized.

Our institution conducts the following programs for values, rights, duties and responsibilities of citizens like Mobile Web security for non-teaching,Digital transaction and security for non- teaching,energy conservation for housekeeping ladies etc.,

File Description	Document
Link for any other relevant information	**View Document**
Link for Annual report of the celebrations and commemorative events for the last five years	**View Document**

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:

Best Practice: 1

1.Title of the Practice

JiT eEDU - A Flipped Classroom to Enhance Student Learning

2.Objectives of the Practice

JiT eEDU is developed and practiced to enhance the learning experience of students apart from face-face learning. Another key aspect of this practice is to address the different learning styles and time duration required by the learners. JiT eEDU - A flipped classroom strategy using e-content is to ensure that students stay engaged and have a positive experience in learning, thereby achieving academic and holistic excellence.

3. The Context

The generation z are tech-savvy learners and they follow different learning styles and prefer to learn at their own pace. Engaging this generation positively in the learning process traditional face-face teaching methodology is not adequate. To address their needs apart from classroom teaching and to promote self paced learning as per their needs JiT eEDU is practices. JiT eEDU has become an important component in the mission of our institution which imparts quality education to our students, extending the learning process beyond the classroom and improving student success. The student-centered learning environment provides collaborative tools like email, chat, discussion forums, virtual classrooms and self paced learning materials assist students as they construct knowledge all at one place.

4. The Practice

The uniqueness of this practice of our institution lies not only in enhancing the technical knowledge, but also makes the students plug and play by imparting soft skills and product based employability skills. The practice of flipped classroom to enhance student learning using JiT eEDU employs different range of products like LMS to cloud storage services developed, hosted and maintained at the Institutions campus.

JiT eEDU features the following services for students learning and self development.

The Learning Management System (JiT eEDU LMS) powered by Moodle is used for delivering online learning/study materials for students which can be accessed before physical classes to have a flipped classroom experience. The study materials are uploaded along with sample problems for analytical courses and text description, videos and pictures for theory courses by respective course faculties along with well prepared MCQs for self assesment/assesment.

Cloud storage facility (JiT eEDU Cloud) powered by Nextcloud is provided to students and faculty for storing academic contents. The centralized web based storage management with password protection provides all students and faculty hassle free access to academic documents anywhere (off/on campus) round the clock which helps students to complete assignments,other curricular and co-curricular activities.

Online survey facility (JiT eEDU Forms) powered by LimeSurvey is used for internal and external data collection and surveys. This facility is used to collect the stakeholders feedback regularly replacing the traditional surveys.

Cloud computing service (JiT eEDU IaaS) powered by OpenNebula is provided on a demand basis to students and faculties. It provides virtualized computing resources over the internet or private network for private usage. This service provides students/faculties to process, store, network and other fundamental computing resources that are deployed and run arbitrary software which include operating systems and applications remotely.

Virtual classroom/conferencing (Jit eEDU OpenMeetings) creates digital white board classroom for virtual classrooms, meeting and webinars via external resource persons.

All these products provide a unique opportunity and positive experience in self paced learning for the students.

5. Evidence of Success

The implementation of JiT eEDU has provided support to both students and faculty members in the teaching and learning process. The measure of outcomes are significant in terms of good number of pass percentage, placement records and programme outcome attainment. Students utilization in study materials and videos for theory courses have increased significantly. Easy use of e-books has helped to develop the student's knowledge and reading habit which develops lifelong learning attributes. Online Quiz for prelims and MCQs for each topic based on GATE improved the aptitude knowledge of students and it increased the placement records. The availability of e-contents of study materials, previous year question papers and books have significantly reduced the usage of paper.

6. Problems Encountered and Resources Required

Even though we highly celebrate this practice across our campus, still it encounters some inherent bottle necks which are well optimised and managed with our expertise. To make the JIT eEDU more effective; training needs to be imparted to students. Frequent training sessions in LMS are given to the student and faculty members for effective usage of LMS.

Best Practice: 2

1.Title of the Practice

Case Studies

2.Objectives of the Practice

- To develop the course-specific and transferable skills of students.
- To encourage students to work individually and as a team.
- To encourage students to use modern tools and to communicate effectively

3. The Context

Our institution's objective is not just to help the students to secure a degree but also to link academic topics and real-world applications. To achieve this, the case study teaching method is a highly adoptable style of teaching that involves problem solving-based learning and promotes the development of analytical skills. Case studies also increased overall student performance, specifically related to written and oral communication skills and the ability to grasp connections between scientific topics and their real-world applications.

4. The Practice

Students can learn more effectively when actively involved in the learning process. The case study approach is one way in which such active learning strategies can be implemented in our institutions. The best way to master the student in a subject is by case studies. Case studies can be done individually or in teams so that the students can brainstorm solutions and share the workload. The performance of students is evaluated based on the presentation of case studies. Case Studies are implemented through various innovative teaching methodologies.

Key skills we have embedded into our case studies include:

- *Team work:* A group of students are assigned to come up with a solution for a problem statement. The benefits of group working are well documented and we have found that a team based case study approach can add value to the learning experience.

- *Individual study skills:* Case studies are a good vehicle for encouraging students to carry out independent research outside of the lecture/tutorial environment.

- *Information gathering and analysis:* Many case studies require resource investigation and encourage students to utilise a number of different sources, i.e. Internet, library, laboratory results and contacting experts in industry.

- *Time management:* Longer case studies require students to really consider how best to carry out the work so that it is completed to the set deadline. Interim meetings with academic staff ensure progress is made during the case study rather than all the work being left to the last week.

- *Presentation skills:* Most of our case studies require students to present their work in a variety of

formats, these include oral presentations, articles, posters, reports and video presentations.

- *Practical skills:* Some of our case studies involve practical work on the field/industry components that are being studied.

5. Evidence of Success

Case studies have significantly improved the perception of learning and it has increased the confidence level of students. It has also improved the students analyzing skill, communication skill and problem solving skill. The practices of case studies have increased the students ability to work individually as well as work as a team. There are significant improvements in student's presentation skills, report writing skills and in usage of modern tools.

6. Problems Encountered and Resources Required

It should be acknowledged that styles and modes of learning vary from student to student. Slow learners find difficulty in solving case studies. Individual care given to those students by the subject faculty to proceed the case studies effectively as devised by the Institution.

File Description	Document
Link for Best practices in the Institutional web site	[View Document](#)
Link for 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:

Accomplishment of Academic Excellence and Overall Personality Development

The primary objective of Jansons Institute of Technology is the pursuit of Academic Excellence with high professional standards. It also strives to create meritorious professionals to serve humanity by setting a commendable tradition of initiatives. This institution stands alone from all other colleges by focusing greater emphasis on imparting engineering education with a sense of self-discipline and accountability and overall personality development among budding professionals with respect to democratic, ethical, and moral values.

A 'Semester orientation program' to explain the relevance of the subjects and various activities scheduled in respective semesters, which helps the students for better semester planning. The faculty adopting

NPTEL e-resource packs for better course content delivery as well as quick access to the learning material by the students from the dedicated 'Student portal' in our college website, yields fruitful result oriented teaching and learning process. .

A diverse array of opportunities is provided to the students to enhance their knowledge beyond academics. Organizing various National and International level Conferences, Guest lecturers of eminent personalities, Hands on training and workshops, Technical summits by which the students are exposed to the recent developments. To unleash the concealed talents, students are allowed to organize National level students' symposia. These events pushed the students to excel in Co-Scholastic areas as well. Improvements are visible in terms of student participation in inter-collegiate competitions that include paper and poster presentations, best project competitions etc.

Any institution makes a mark in the global scenario through their research activities. In this view of establishing a research ambience, students are encouraged to innovate and develop projects that are funded by the management and also by the State and Central Government to explore their creative ideas.

The Placement and Training cell' is an integral part of our institution that ensures the students are well trained and prepared to face their campus interviews effectively. A clear ladder of 'Placement Oriented Programs is scheduled right from their first semester with a focus on Communication and Aptitude skills, Soft skills and Technical skills enhancement. Outstanding placement records and positive feedback from the recruiters stands as a testimony for our placement training practices. State of art CCR infra has been established to pair with premier industries and prominent corporate.

Student's Membership in Professional Societies' is necessary as we strive to stay informed of current developments in our fields of expertise and establish contacts with those who share similar interests and goals. JIT harbours 4 Professional societies and 2 Societies under IEEE student chapter. These student chapters are involved in updating the technical knowledge of the students by organizing Seminars, Special lectures by eminent personalities from industries, group discussions and workshops regularly.

Jansons provides the best infrastructure facilities for intellectual development of the student community. A few of the remarkable amenities such as Central Library with fully air conditioned building.

Sports are given equal weightage as academics. A sports village makes the students strong physically and mentally which indirectly helps to improve their learning skills.

Jansons strives to invoke the service mind of our students by encouraging visits to orphanages and old age homes. The students enthusiastically participate and mingle with inmates and offer special lunch, sponsored by our management. These NGO visit activities passionately groom our students to gain an exposure towards downtrodden lifestyle so as to make them responsible citizens.

The radiant ambiance of the college is highly conducive for the academic excellence and overall personality development of the students, which are envisaged through

- Improvement of University Results
- More number of Curricular and Extracurricular achievements
- National level awards for Projects and Technical competitions
- Research activities by the students and faculty members
- Remarkable increase in Placements records

- Many students are pursuing higher studies in International and National Universities
- Overall Championship, at National and International Sports competitions

Jansons Institute of Technology constantly emit its vibrancy by up keeping these performance measures in active logarithmic growth phase, so as to mould student's career completely in all dimensions.

File Description	Document
Link for appropriate web in the Institutional website	[View Document](#)
Link for any other relevant information	[View Document](#)

5. CONCLUSION

Additional Information :

Vigyan Prasar, an autonomous organisation under the Department of Science and Technology recognised Jansons Institute of Technology as "Distinguished Institution" in 2019 for its contribution in extension activities that help elevate science education as a national priority in association Vidhyarthi Vigyan Manthan (VVM). Certificate of Appreciation was awarded by AICTE (being top 10 institution in the country) for Jansons Institute of Technology's significant contribution in One Student One Tree Initiative in 2019. Tamilnadu Science Forum awarded "Green Campus Award" in 2018 for green initiatives such as extensive tree plantation, effective water management and proper maintenance of Plants and Trees.

- Only college in Coimbatore having 100% airconditioned classrooms with world class infrastructure.
- Highly qualified and well experienced faculty team with Ph.D and NET/SLET qualification.
- Institution Innovation Council (IIC) established under MHRD Innovation Cell (MIC).
- Intellectual Property Rights Cell (IPR Cell) is established to encourage and protect new inventions, designs, software, brand name and other innovative ideas etc.
- Entrepreneurship Development Cell (EDC) is established to create awareness among students on how to become potential entrepreneurs.
- To prepare students as social responsible human beings, Bandham activities focus on helping elderly persons in old age homes and kids in orphanages.
- WiFi enabled campus with adequate bandwidth internet connection is available 24 x7 across all locations.
- An exclusive state of art Center for Corporate Relations (CCR) is established for skills enhancement activities, capacity enhancement, career counselling and placement activities.

Concluding Remarks :

Jansons Institute of Technology germinates and develops a unique brand of engineers who act as change agents in the field of Technology. This is achieved through quality value-based technical education and by preparing and strengthening young minds for their future calling by providing placement support and students exposure to programs of practical relevance.

"The function of education is to teach one to think intensively and to think critically. Intelligence plus character - that is the goal of true education." - Martin Luther King, Jr.

Mere transferring of information is not what is expected from an educational institution. Every student comes with myriad qualities and infinite potential. To channel those strengths into positive avenues is what is expected from educators. Along with this, the unique invisible trait present in students – this astounding attribute called Character. It is the bounden duty of places of learning to provide enough challenges so that the character of

students are finely landscaped, in addition to delivering the required knowledge characteristics that make up an engineering graduate. This is the Holistic Learning envisaged at JIT.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.3	**Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years** 1. **Academic council/BoS of Affiliating university** 2. **Setting of question papers for UG/PG programs** 3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses** 4. **Assessment /evaluation process of the affiliating University** Answer before DVV Verification : B. Any 3 of the above Answer After DVV Verification: D. Any 1 of the above
1.2.2	**Number of Add on /Certificate programs offered during the last five years** 1.2.2.1. **How many Add on /Certificate programs are offered within the last 5 years.** Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
34	42	40	41	36

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
17	13	13	11	8

Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. Programming in C++, data structure, automation are part of regular curriculum. HEI has not provided duration of the courses like days and number of hours. As per the HEI data and the courses mentioned under Brochure on the HEI website. |
| 1.2.3 | **Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years**

1.2.3.1. **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**
Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
697	732	1038	1199	1232

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
361	432	338	273	219

	Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. The HEI has claimed ODD and Even semesters department wise. The number of students remains the same in a year. As per the HEI claim in the data provided during clarification.
1.3.3	**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year** 1.3.3.1. **Number of students undertaking project work/field work / internships** Answer before DVV Verification : 712 Answer after DVV Verification: 289 Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. As per the syllabus only the final year students have projects. Hence the data is limited to the number of final year students strength. The Same student undertake Design project and the main project and are considered only once in an AY.
1.4.1	*Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders* *1) Students* *2)Teachers* *3)Employers* *4)Alumni* Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. Any 3 of the above Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification
1.4.2	**Feedback process of the Institution may be classified as follows:** **Options:** 1. **Feedback collected, analysed and action taken and feedback available on website** 2. **Feedback collected, analysed and action has been taken** 3. **Feedback collected and analysed** 4. **Feedback collected** 5. **Feedback not collected** Answer before DVV Verification : A. Feedback collected, analysed and action taken and feedback available on website Answer After DVV Verification: C. Feedback collected and analysed
2.1.2	**Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.**

as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

2.1.2.1. Number of actual students admitted from the reserved categories year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
85	134	75	233	300

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
83	126	65	215	271

Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification.

2.3.3 | **Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)**

2.3.3.1. Number of mentors
Answer before DVV Verification : 59
Answer after DVV Verification: 52

Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification

---

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0	0.10	0.286	0	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

Remark : As per the SoP the grants under this Metric are for Government and non-governmental agencies for research projects, endowments, Chairs in the institution. The HEI has claimed student projects which are not eligible and not considered.

3.1.2	**Percentage of teachers recognized as research guides (latest completed academic year)**

3.1.2.1. **Number of teachers recognized as research guides**
Answer before DVV Verification : 13
Answer after DVV Verification: 11

Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. Registration for PhD and Identity card are not recognition as research guides.

3.1.3	**Percentage of departments having Research projects funded by government and non government agencies during the last five years**

3.1.3.1. **Number of departments having Research projects funded by government and non-government agencies during the last five years**
Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	1	0	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

3.1.3.2. **Number of departments offering academic programes**
Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
5	5	5	5	5

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
5	5	5	5	5

Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification.

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

3.2.2.1. **Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years**
Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
47	35	37	26	30

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
10	6	3	0	0

Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. Only workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship supported with documents have been considered.

| 3.3.1 | **Number of Ph.Ds registered per eligible teacher during the last five years**

3.3.1.1. **How many Ph.Ds registered per eligible teacher within last five years**
Answer before DVV Verification : 5
Answer after DVV Verification: 0
3.3.1.2. **Number of teachers recognized as guides during the last five years**
Answer before DVV Verification : 16
Answer after DVV Verification: 11

Remark : The HEI is not recognized as a research centre by the affiliating University. Hence HEI cannot admit any students for Ph. D. Programmes. |

| 3.3.2 | **Number of research papers per teachers in the Journals notified on UGC website during the last five years**

3.3.2.1. **Number of research papers in the Journals notified on UGC website during the last five years.**
Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
108	71	86	72	64

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
11	04	08	06	08

Remark : The HEI was requested to provide actual link of UGC for journal.s HEI has not provided UGC CARE link, with ISSN number. Only publications in Scopus, Web of Science, Science Direct and UGC CARE journals considered. As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. |

| 3.3.3 | **Number of books and chapters in edited volumes/books published and papers published in** |

national/ international conference proceedings per teacher during last five years

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
30	24	12	27	29

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
03	0	2	1	0

Remark : The HEI was requested to provide books with propoer ISBN numbers only. The HEI was advised to clearly provide: a) If book , Cover page, content page and first page of the selected publication, year wise with proper caption. As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. The HEI has made multiple claim of the book authored by multiple teachers.

| 3.4.2 | **Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years** |

3.4.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
22	18	11	2	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

| 3.4.3 | **Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years** |

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
47	37	33	33	18

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
18	22	16	14	10

Remark : The umber of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise. As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification.

3.4.4	**Average percentage of students participating in extension activities at 3.4.3. above during last five years**

3.4.4.1. **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
633	752	736	915	522

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
253	389	340	327	368

Remark : Total number of Students participating in extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise. As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification.

3.5.1	**Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year**

3.5.1.1. **Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
58	50	24	18	14

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
9	0	0	0	0

3.5.2	**Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years**
	3.5.2.1. Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years
	Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
9	3	4	4	3

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
2	0	0	0	0

Remark : Most of the MOUs attached are signed during June 2019 or after 13 May 2019, and are not considered for the assessment period. MOUs for students' placement training and commercial basis are not eligible and not considered. The HEI has not provided activities conducted under MOUs claimed.

4.1.3	**Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.** *(Data for the latest completed academic year)*

4.1.3.1. Number of classrooms and seminar halls with ICT facilities
Answer before DVV Verification : 51
Answer after DVV Verification: 25

Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification.

4.1.4	**Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)**

4.1.4.1. Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)
Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
11.73	170.47	117.92	235.19	287.43

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
11.73	170.47	117.92	235.19	325

4.2.2	**The institution has subscription for the following e-resources**

	1. **e-journals** 2. **e-ShodhSindhu** 3. **Shodhganga Membership** 4. **e-books** 5. **Databases** 6. **Remote access to e-resources** Answer before DVV Verification : A. Any 4 or more of the above Answer After DVV Verification: D. Any 1 of the above
4.2.3	**Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)** 4.2.3.1. **Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)** Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
0.05	0.26	0.02	1.53	3.32 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
0.05	0.26	0.02	1.53	3.32	
4.4.1	**Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)** 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)** Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
43.11	40.99	30.67	42.42	53.07 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
26.7	23.1	21.8	18.3	19.1	 Remark : The HEI was requested to provide audited income and expenditure statement highlighting the items of expenditure incurred on maintenance of physical facilities and academic support facilities duly certified by Head of the Institution and CA. The Income/ expenditure statements provided with the Metric taking into account the Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise are not certified by the CA. As per the HEI statement in the response dialogue box and the HEI

data attached with the Metric in clarification. As per the statements.

| 5.1.2 | **Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years**

    5.1.2.1. **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
545	487	288	316	173

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

    Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. The amount indicated year wise is not compatible with the number of students claimed. |

| 5.1.3 | **Capacity building and skills enhancement initiatives taken by the institution include the following**

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

    Answer before DVV Verification : A. All of the above
    Answer After DVV Verification: B. 3 of the above |

| 5.1.4 | **Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years**

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
839	998	1136	1481	1579

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00	

	Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. As per Data template the activities like Soft Skills, Quantitative Aptitude, Reasoning Ability, Technical Training, Comprehensive Training cannot be taken has training for competitive examination. Hence data may be ZERO. The links provided in the data templates are only pertain to internship letters, placement documents which cannot be considered as career counselling.
5.1.5	**The Institution has a transparent mechanism for timely 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** Answer before DVV Verification : A. All of the above Answer After DVV Verification: C. 2 of the above Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. Only Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees considered.
5.2.3	**Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)** 5.2.3.1. **Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations***, etc.***)) year-wise during last five years** Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
14	14	8	12	4 | Answer After DVV Verification : | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
10	12	06	07	2 | 5.2.3.2. **Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years** Answer before DVV Verification: | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
74	30	10	15	5	

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
74	30	10	15	5

Remark : Rinesh R has cleared 02 exams in 2018-19 and Manish reddy challamala in 2017-18 and are counted as 01 respectively.

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

5.3.3.1. **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
42	42	50	27	45

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
20	15	18	19	0

Remark : HEI was requested to provide : Report of the events/along with photographs appropriately dated and captioned year-wise. and an attested Copy of circular/brochure indicating such kind of activities. The attached data contains events that do not qualify as sports and cultural activities/ competitions organized at the institution level. These functions are repetitions. The HEI has not attached any Report/ photographs in support of its claim of the event OR a copy of the circular /brochure. As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification.

6.2.3	**Implementation of e-governance in areas of operation**

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

Answer before DVV Verification : A. All of the above
Answer After DVV Verification: B. 3 of the above

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
12	12	16	43	27

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
09	08	13	16	21

Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification

---

6.3.4	**Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).** 6.3.4.1. **Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
105	119	59	81	34

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
16	19	13	12	11

Remark : HEI was requested to provide the Name of teachers who participated in the professional development Programmes viz., Orientation / Induction Programme, Refresher Courses and Short Term Courses more than 05 days. As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification.

6.4.2	**Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)** 6.4.2.1. Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0.356	0.45	0.227	1.74	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0.20	0.00	0.02	0.15	0

6.5.3	**Quality assurance initiatives of the institution include:** 1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements** 2. **Collaborative quality intitiatives with other institution(s)** 3. **Participation in NIRF** 4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)** Answer before DVV Verification : B. 3 of the above Answer After DVV Verification: D. 1 of the above
7.1.2	**The Institution has facilities for alternate sources of energy and energy conservation measures** 1. **Solar energy** 2. **Biogas plant** 3. **Wheeling to the Grid** 4. **Sensor-based energy conservation** 5. **Use of LED bulbs/ power efficient equipment** Answer before DVV Verification : B. 3 of the above Answer After DVV Verification: C. 2 of the above
7.1.4	**Water conservation facilities available in the Institution:** 1. **Rain water harvesting** 2. **Borewell /Open well recharge** 3. **Construction of tanks and bunds** 4. **Waste water recycling** 5. **Maintenance of water bodies and distribution system in the campus** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: C. 2 of the above Remark : The HEI documents support only Construction of tanks and bunds Waste water recycling claims. As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification
7.1.5	**Green campus initiatives include:** 1. **Restricted entry of automobiles** 2. **Use of Bicycles/ Battery powered vehicles** 3. **Pedestrian Friendly pathways** 4. **Ban on use of Plastic**

5. **landscaping with trees and plants**

Answer before DVV Verification : A. Any 4 or All of the above

Answer After DVV Verification: C. 2 of the above

Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification. The photographs attached in clarification do not support the HEI claim.

7.1.6	**Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:** 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions / awards** 5. **Beyond the campus environmental promotion activities** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: B. 3 of the above Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification.
7.1.7	**The Institution has disabled-friendly, barrier free environment** 1. **Built environment with ramps/lifts for easy access to classrooms.** 2. **Divyangjan friendly washrooms** 3. **Signage including tactile path, lights, display boards and signposts** 4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment** 5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: C. 2 of the above Remark : As per the HEI statement in the response dialogue box and the HEI data attached with the Metric in clarification
7.1.10	**The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.** 1. **The Code of Conduct is displayed on the website** 2. **There is a committee to monitor adherence to the Code of Conduct** 3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff** 4. **Annual awareness programmes on Code of Conduct are organized** Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. 3 of the above Remark : As per the HEI statement in the response dialogue box and the HEI data attached with

	the Metric in clarification.

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of courses offered by the Institution across all programs during the last five years** Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
300	283	280	324	327 | Answer After DVV Verification: | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
253	253	253	251	268	
2.1	**Number of students year-wise during last five years** Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
854	1003	1139	1490	1615 | Answer After DVV Verification: | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
824	964	1082	1418	1503	
2.2	**Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years** Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
337	438	419	477	477 | Answer After DVV Verification: | 2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
201	253	241	281	281	
2.3	**Number of outgoing / final year students year-wise during last five years** Answer before DVV Verification: 	2018-19	2017-18	2016-17	2015-16	2014-15
---	---	---	---	---
293	349	409	444	402	

08-01-2022 10:48:45

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
289	344	409	444	403

3.1 Number of full time teachers year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
119	141	156	161	113

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
129	131	163	157	112

3.2 Number of sanctioned posts year-wise during last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
119	141	156	161	113

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
129	163	163	161	161

4.1 Total number of classrooms and seminar halls
Answer before DVV Verification : 51
Answer after DVV Verification : 50

4.2 Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
11.73	170.47	117.92	235.19	287.43

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
488	188	688	880	888

4.3 Number of Computers
Answer before DVV Verification : 421
Answer after DVV Verification : 117

08-01-2022 10:48:45