YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution   T.J.S.ENGINEERING COLLEGE

- Name of the Head of the institution   Dr. J. PRAKASH M.E.,PhD.

- Designation   PRINCIPAL

- Does the institution function from its own   Yes
  campus?

- Phone no./Alternate phone no.   04427967602

- Mobile no   7373730006

- Registered e-mail   principal@tjsec.in

- Alternate e-mail   tjsivanandam@gmail.com

- Address   T.J.S ENGINEERING COLLEGE, TJS
                                                                       NAGAR, PERUVOYAL, NEAR
                                                                       KAVARAIPETTAI, THIRUVALLUR
                                                                       DISTRICT.

- City/Town   Gummidipoondi

- State/UT   Tamil Nadu

- Pin Code   601206

2.Institutional status

- Affiliated /Constituent   Affiliated

- Type of Institution   Co-education

- Location   Rural

- Financial Status **Self-financing**

- Name of the Affiliating University **ANNA UNIVERSITY CHENNAI**

- Name of the IQAC Coordinator **Dr. K. KAMAL BABU M.E.,PhD**

- Phone No. **04427967628**

- Alternate phone No. **04427967600**

- Mobile **7373720182**

- IQAC e-mail address **iqac@tjsec.in**

- Alternate Email address **tjsivanandam@gmail.com**

3.Website address (Web link of the AQAR (Previous Academic Year)

http://tjsec.in/wp-content/uploads/2022/03/AQAR-REPORT-2019-2020.pdf

4.Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

http://tjsec.in/academic-schedule/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.42**	**2019**	**14/06/2019**	**13/06/2024**

6.Date of Establishment of IQAC **05/07/2019**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	**NIL**	**NIL**	**NIL**	**0**

8.Whether composition of IQAC as per latest NAAC guidelines

Yes

- Upload latest notification of formation of IQAC

View File

9.No. of IQAC meetings held during the year   03

- Were the minutes of IQAC meeting(s) and   **Yes**
  compliance to the decisions have been
  uploaded on the institutional website?

- If No, please upload the minutes of the   No File Uploaded
  meeting(s) and Action Taken Report

10.Whether IQAC received funding from any   **No**
of the funding agency to support its activities
during the year?

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

All the departments are encouraged to conduct seminars, workshops, conferences etc. So that National Level Conference on Recent Trends in Science, Engineering &and Technology (NCRTSET 2022) conducted.

All the staff are encouraged to attend seminars, workshops, conferences etc. So all faculty attended state level, national level workshops, conferences and seminars during this academic year (2021-2022).

Successfully Organised DST-NIMAT Funded National Workshop on "Entrepreneurship awareness Camp" & Collection and analysis of Feedback from all stakeholders and action taken for improvement.

Successfully Organised TJS SCITECH PROJECT EXPO-2022 for school and Polytechnic students.

Formation of General Guidelines for Online Classes and Online Examinations further Reviewing and scrutinizing the online classes and Internal Test Question Papers done.

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Plan for introduce of the courses in emerging areas in Computer Science and Information Technology.	One UG program in Computer Science is included, Artificial Intelligent and Data Structure (AI & DS)
Student capacity based Placement Training introduced	1. Median salary offered by the companies increased from Rs.2,50,000 to Rs. 3,50,000 per annum. 2. Highest salary increased from Rs. 8,00,000 to Rs.10,10,000 per annum.
Institution Innovation Council to be established.	Institution Innovation Council to be established and got three star rating.
National Level Conference to be conducted.	Conducted National Level Conference on Recent Trends in Science, Engineering &and Technology (NCRTSET 2022)
An Intellectual Property Right (IPR) Cell to be established.	An Intellectual Property Right (IPR) Cell is established, through that ten Indian Patents are filled and published.

13.Whether the AQAR was placed before statutory body?   **Yes**

- Name of the statutory body

Name	Date of meeting(s)
Governing Council	22/12/2021

14.Whether institutional data submitted to AISHE

Part A	
Data of the Institution	
1.Name of the Institution	**T.J.S.ENGINEERING COLLEGE**
• Name of the Head of the institution	**Dr. J. PRAKASH M.E.,PhD.**
• Designation	**PRINCIPAL**
• Does the institution function from its own campus?	**Yes**
• Phone no./Alternate phone no.	**04427967602**
• Mobile no	**7373730006**
• Registered e-mail	**principal@tjsec.in**
• Alternate e-mail	**tjsivanandam@gmail.com**
• Address	**T.J.S ENGINEERING COLLEGE, TJS NAGAR, PERUVOYAL, NEAR KAVARAIPETTAI, THIRUVALLUR DISTRICT.**
• City/Town	**Gummidipoondi**
• State/UT	**Tamil Nadu**
• Pin Code	**601206**
2.Institutional status	
• Affiliated /Constituent	**Affiliated**
• Type of Institution	**Co-education**
• Location	**Rural**
• Financial Status	**Self-financing**
• Name of the Affiliating University	**ANNA UNIVERSITY CHENNAI**

• Name of the IQAC Coordinator	**Dr. K. KAMAL BABU M.E.,PhD**
• Phone No.	**04427967628**
• Alternate phone No.	**04427967600**
• Mobile	**7373720182**
• IQAC e-mail address	**iqac@tjsec.in**
• Alternate Email address	**tjsivanandam@gmail.com**

3.Website address (Web link of the AQAR (Previous Academic Year)	http://tjsec.in/wp-content/uploads/2022/03/AQAR-REPORT-2019-2020.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	http://tjsec.in/academic-schedule/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.42**	**2019**	**14/06/2019**	**13/06/2024**

6.Date of Establishment of IQAC	**05/07/2019**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	**NIL**	**NIL**	**NIL**	**0**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	View File
9.No. of IQAC meetings held during the year	**03**
• Were the minutes of IQAC meeting(s)	**Yes**

and compliance to the decisions have been uploaded on the institutional website?	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**
• If yes, mention the amount	

11.Significant contributions made by IQAC during the current year (maximum five bullets)

All the departments are encouraged to conduct seminars, workshops, conferences etc. So that National Level Conference on Recent Trends in Science, Engineering &and Technology (NCRTSET 2022) conducted.

All the staff are encouraged to attend seminars, workshops, conferences etc. So all faculty attended state level, national level workshops, conferences and seminars during this academic year (2021-2022).

Successfully Organised DST-NIMAT Funded National Workshop on "Entrepreneurship awareness Camp" & Collection and analysis of Feedback from all stakeholders and action taken for improvement.

Successfully Organised TJS SCITECH PROJECT EXPO-2022 for school and Polytechnic students.

Formation of General Guidelines for Online Classes and Online Examinations further Reviewing and scrutinizing the online classes and Internal Test Question Papers done.

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Plan for introduce of the courses in emerging areas in Computer Science and Information Technology.	One UG program in Computer Science is included, Artificial Intelligent and Data Structure (AI & DS)
Student capacity based Placement Training introduced	1. Median salary offered by the companies increased from Rs.2,50,000 to Rs. 3,50,000 per annum. 2. Highest salary increased from Rs. 8,00,000 to Rs.10,10,000 per annum.
Institution Innovation Council to be established.	Institution Innovation Council to be established and got three star rating.
National Level Conference to be conducted.	Conducted National Level Conference on Recent Trends in Science, Engineering &and Technology (NCRTSET 2022)
An Intellectual Property Right (IPR) Cell to be established.	An Intellectual Property Right (IPR) Cell is established, through that ten Indian Patents are filled and published.

13.Whether the AQAR was placed before statutory body? — **Yes**

- Name of the statutory body

Name	Date of meeting(s)
Governing Council	22/12/2021

14.Whether institutional data submitted to AISHE

Year	Date of Submission
YES	19/01/2023

15.Multidisciplinary / interdisciplinary

Institutional preparedness for NEP The TJSEC identifies the programme learning outcomes along with the courses and unit

learning outcomes that describe the particular knowledge, abilities, attitudes, and values in accordance with National Educational Policy 2020. The T.J.S Engineering College is linked with Anna University, and all of Anna University's programmes are created using courses that are both multidisciplinary and cross-disciplinary. Every programme has a professional elective, a mandatory course, an open elective, and listed four courses in each category. Students will choose from this based on their preferences and interests. So that students have the most freedom to select courses from other departments. This open and optional multidisciplinary education, particularly in engineering education, will offer learning awareness and career-oriented benefits. TJSEC students have the option of selecting any open elective course from a variety of fields and applying their expertise to get employment in that field.

16.Academic bank of credits (ABC):

According to the National Education Policy 2020, the Academic Bank of Credits (ABC) has been designed to support students' academic mobility by allowing them to study at any higher education institution across the nation and to transfer credits from one programme to another in order to earn a degree, diploma, post-graduate degree, etc. The National Academic Depository, a government initiative to provide an online archive for all academic awards under the Digital India Program, has TJSEC as an official member. Mark sheets and degree certificates for students have been uploaded by TJSEC on the nad.digitallocker.gov.in website starting from 2020. The National Academic Bank of Credits (ABC) portal is now operational for the academic year 2021-2022 and has been integrated into the nad.digitallocker.gov.in platform. For all of its programmes provided by Anna University, TJSEC uses a choice-based credit system. Within the framework that has been accepted, faculties are encouraged to create their own pedagogical techniques, including choices for reading materials, assignments, and assessments, etc.

17.Skill development:

Skill and knowledge development is the powerful tool behind the financial growth and social development of our Nation. Skill development is a powerful force that motivates individuals and progresses their communal acceptance. It aids students to develop into strong, responsible and creative members of society. By combing education and skill development, India can become a worldwide procurement centre for employees who are qualified to begin work from the day they join an organisation. TJS

Engineering College centre for Skill Development (TJSECSD) was launched in 2018. This is a foundation of the TJS Educational Society to progress the placement and self-employability skills of the budding young minds of the college. The TJSECSD objects to promote a thoughtful knowledge of the several youths associated with skill development programmes which are required in India and foreign countries. It links the gap between skills required by the industry and skills possessed by those who are seeking employment, boosts the entrepreneurship skills of students and offers them the support needed to begin start-ups. TJSEC has collaborated with MSME Business Incubator, through that Tailoring, Bakery, Fruit & Vegetable Canning, Beautician course etc, were conducted. These courses will be stretched to school dropouts and other outsiders as well, as an initiative of the institution under its Institutional Social Responsibility. TJSEC is encouraging Teaching and Non-Teaching faculties to participate in all the skill development programmes such as FDP / refresher courses/workshops. The workshop and hands-on training for skill development on preparing for online classes in Google classroom. TJSEC is also encouraged students to participate in all the value-added courses. Students were given training in the latest technology through value-added courses. A Personality Development program has been introduced to the students of II & III years. The internship programme is made compulsory for all students. Special Training programs were organised for all the final year students to write well in all the competitive exams and entrance tests. As a part of having a good environment, TJSEC envisioned affording a clear sense of our environment by organising various awareness programmes, webinars and seminars.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Language is an essential part of human life. It plays a role in crucial the learning process and knowledge enrichment of students. TJSEC introduced foreign languages and Hindi in the year 2020 to ensure that the students of the college are effectively prepared to meet the ever-changing needs of today's fast-paced world. TJSEC is an overarching organization that facilitates conversation within all language departments, and healthy dialogue between the Language and the Major Departments. Its coordinates timetables, lesson plans, syllabi and continuous internal assessments. The college offers a compulsory course in Professional English for all first-year students. Communication and Soft Skills Course is made a compulsory course for all third-year students in developing language and Communication skills.

The Department of English helps first-generation learners who learn the language and encourages students to enhance their communication skills by conducting bridge Courses for 30 hours. The college curriculum is framed with compulsory courses on, Environmental studies, Personality Enrichment, Professional Ethics and Human values that will enable the students to become responsible citizens of India. To stimulate the Indian Knowledge System, Arts and Culture, compulsory activities have been introduced through clubs like English Literary Club, Mathematics Club, Fine arts club, Science Club, NCC, NSS etc. and through Group Discussions/Interactions in local language which will fetch extra credit to our students. Field trips are also introduced recently to us to local heritage sites/museums which will boost and value our culture and traditions among students. As a part of education, Industrial Visit is also arranged for students of all years to get industrial knowledge and practical knowledge Entrepreneurship Development Cell is also launched in TJSEC to strengthen the minds of the students and to get business-oriented education.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Programme and course outcomes for all programmes offered by the institution are stated and displayed on website and communicated to teachers and students. The institute has formulated well-defined Vision and Mission statements and in correlation with this, each department formulated its own vision and mission statements that have been approved by the department Advisory Committee (DAC). The department adopted the Programme Educational Objectives (PEOs), Program Specific Outcomes (PSOs) for each programme outcomes (POs) and course outcomes (COs) for all the courses in the curriculum framed by University. In the Department Advisory Committee (DAC), all outcomes are analyzed and approved. The approved Statements are published in the Institute Website and communicated to Various Stakeholder. The respective subject faculty expatiate the course outcomes to the learners. The objectives and outcomes of each topic are expatiated to the learners for the betterment and to get the confidence to take up the university Examination. Programme Outcomes (POs) and Programme Specific Outcomes (PSOs): Articulation of PSOs and identification of the knowledge/Skill/Attitude Level were done through sequence of meetings based on the suggestions from stakeholders. Course Outcomes (COs): Articulation of COs based on revised bloom's taxonomy and identification of the Knowledge/ Skill/Attitude Level were framed by course handling faculty with the suggestion of course coordinator. COs are mapped with POs /

PSOs by course handling faculty with the suggestions of the course coordinator. Verification of compliance for attaining the POs/PSOs is done in the Department meeting for all courses. Teachers are aware of Programme outcomes and course outcomes by attending different programs arranged by the institution. Faculties are oriented by many workshops and seminars on Outcome Based Education (OBE). Faculty members have attended many programs related to Outcome-based Education. If there is any non-compliance, then DAC identifies the slightly Supported POs/PSOs. Based on the recommendations of DAC, additional COs and activities to support POs/PSOs are framed. Content beyond the syllabi/Virtual Lab Experiments/Co-Curricular Activities for better compliances were approved by DAC. Recommendations of DAC for better compliances were implemented by the course handling faculty in Teaching-Learning Process. The mechanism for dissemination: The process for publication and dissemination of the stated vision, Mission of the Institute/ Department, POs/PSOs/PEOs/COs of the programme are carried out by the listed mechanism: Website: Vision, Mission, POs, PSOs, PEOs and COs are published on the college website. Posted Location: Banner is exhibited in the main floor of the concerned department. They are also prominently displayed on the Department Notice Board. Catalogues of the Department: The Catalogues are disseminated to all the stack holders of the program through faculty meetings, Parents meetings, News Letter, Alumni meetings, and Conferences. Curricular Books and Department Publications: Vision and Mission are published in the Practical Observation, Record Note, Handbook, Faculty Log book, Department Magazine and Newsletter.

20.Distance education/online education:

The institute practices blended learning. TJSEC has different labs which help the students to learn courses online. With the development of science and technology, TJSEC is providing all the upgraded facilities which help for developing digital content. The Tamil Nadu Government has introduced the Naan Mudhalvan Online Course for all years of engineering students in different subjects. Keeping aside the lack of face-to-face learning during the pandemic (COVID-19), TJSEC has successfully imparted all its course content delivery in online mode and also our students completed their online exams. Moreover, access to online resources by instructors and students will not be a constraint anymore. TJSEC use various online platforms like Google Classrooms and canvas. The whole campus is Wi-Fi enabled and therefore we have no interruption in online Education. TJSEC Faculty were used Power point presentations, you tube videos for

an effective and relevant way of teaching during pandemic. It is an effective tool for acquiring information from multiple sources to help students to enhance their knowledge database. TJSEC Faculty also prepared e-content using GCR and uploaded the link in the college website for easy access of the students and also shared reading materials, short notes, ebooks over different media like Google Classroom, E-Mail, WhatsApp group. All the examinations were conducted in blended mode. Teachers were given online training for taking lectures online on Google Meet, Zoom etc.

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**421**

File Description	Documents
Data Template	[View File](#)

2.Student

2.1 Number of students during the year	**522**

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**246**

File Description	Documents
Data Template	[View File](#)

2.3 Number of outgoing/ final year students during the year	**166**

File Description	Documents
Data Template	View File

3.Academic

3.1	**89**
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	**85**
Number of sanctioned posts during the year	

File Description	Documents
Data Template	View File

4.Institution

4.1	**36**
Total number of Classrooms and Seminar halls	
4.2	**185.40**
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	**316**
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

Semester plan:

At the beginning of every semester, the semester plan is prepared by various departments and brought to student's notice. The semester plan contains details regarding the schedule for internal

assessment test, assignments, subjects allotted to individual teachers according to their specialization and a plan of activity proposed to be conducted by the department during the semester. The semester plan makes the students aware of the proposed activities of the semester.

Course plan:

The concerned faculty for each subject prepares a detailed course plan which contains the units of syllabus and proposed dates of completion of the units. It also provides information about the text books and reference books to be followed. Each individual teacher maintains a log book in which the topics discussed in the class are recorded on daily basis, which will give an idea about the completion of the units according to the lesson plan. The course document and log book are exposed every month examination and endorsed by the HOD and Principal. The management provide support by providing the facilities required by the faculty members. Effectivedeliveryofthecurriculumisachievedbymakinguseofeffectiveteachingpracticesbyadoptingvariousmethods.

File Description	Documents
Upload relevant supporting document	[View File]()
Link for Additional information	http://tjsec.in/wp-content/uploads/2023/06/1.1.1-.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The academic calendar was prepared for each semester as per the Anna University guidelines. Anna University provides details of the commencement of classes, Assessment test dates, attendance entry dates, Entry of marks, and commencement of end of semester examination date for theory and practical Examinations. Accordingly, the exam cell conducts internal tests and University exams.

TJSEC have an individual exam cell consists of a coordinator and senior faculty members. Based on Anna University Semester plan, this cell prepares a schedule for conducting Common Assessment Tests, Model exams, and Class Committee meetings. This Schedule is circulated to all the departments and is also displayed on the classroom notice board for the student's reference.

After getting the CAT Exam schedule, Faculty was prepared question papers as per the Blooms Taxonomy with course objectives. Answer papers were corrected and awarded mark list prepared with head of the department and principal signatures. The same procedures were repeated for all the examinations. Based on the continuous assessment examination results, the internal marks were awarded to the students as per the Anna University guidelines

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://tjsec.in/wp-content/uploads/2023/06/1.1.2-1.pdf

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

B. Any 3 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

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

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

7

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

13

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

390

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The institution is affiliated to Anna University and the curriculum and syllabi are prescribed by Anna University. The Crosscutting issues like Gender, Environment and Sustainability, Human Values and Professional Ethics are well integrated into the Curriculum prescribed by Anna University.

Professional Ethics and Human values

In view of promoting the professional ethics among the engineering graduates the Anna University has introduced professional ethics as an elective course. Even though it is in academic curriculum

Gender Equity Initiatives

The Institution strives to promote equality of opportunity and treatment for all men and women working and studying at the College. Various cells and committees such as Anti-Ragging Committee, Anti sexual harassment cell, etc are proactive in handling gender-based issues.·Separate hostel for boys and girls with state of art infrastructure.

Environment and sustainability initiatives

The Institution gives utmost care to protect our environment and teach our students about the environment and sustainability issues occurring in the society. The TJSEC gives utmost care to create an environmentally friendly, sustainable campus

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

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

30

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

266

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	http://tjsec.in/wp-content/uploads/2023/06/1.4.1-1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	[View File](#)
URL for feedback report	http://tjsec.in/wp-content/uploads/2023/06/1.4.2-1.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

125

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

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

107

File Description	Documents
Any additional information	[View File](#)
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

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

After admission, the learning levels of the students are assessed and categorized based on their and internal assessment

performances, that is for first year students higher secondary education marks and first (CAT-1) common assessment test -1 marks. For second, third and final year students can be assessed by their previous semester final exam results and CAT-1 exam results. This process is continued for every semester.

1. Advanced Learners
2. Slow Learners

Advanced learners are encouraged to upgrade their technical knowledge by encourage them to participate in seminars, technical quizzes and symposiums and conferences. The faculties are providing NPTEL video links so that they can view their core subject videos to enrich their subject knowledge. Advanced learners are also motivated to communicate their manuscripts for journal publications. Mini projects and science exhibitions are conducted to share their knowledge.

To increase the learning ability of slow learners from first year the bridge course for about 10 days are conducted which includes the fundamental of mathematics, Physics and language classes. Apart from the above mind mapping techniques, tutorials and Special classes are conducted. Very excellent mentoring system is adapted to motivate and guide the students.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/2.2.1-%E2%80%93-The-institution-assesses-the-learning-levels-of-the-students-and-organizes-special-Programmes-for-advanced-learners-and-slow-learners.-1.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
522	89

File Description	Documents
Any additional information	View File

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

Student's centric methods such as experimental learning and problem-solving methodologies are used to change the learning experience. The TJSEC is highly focused to improve learning, Problem-solving methodologies through various activities. Value-added courses, software programs and also improving communication skills are provided through the ICT academy. To improve the student's practical learning capability and real-time problem-solving methodologies in an industrial environment many MOUs have been signed in the IBM, and SPACE CADD.

Every semester the students are arranged two industrial visits, In-plant training, and an internship which offer tremendous exposure to the students on problem-solving, project works and proto-type model making are encouraged by the management to the students at all levels. Every course is provided in the experimental learning by practical lab sessions and industrial visits as well as an internship. Participant learning is adopted in laboratory classes when the faculty member explains the principle and basic theory behind each experiment by using PowerPoint presentations, and NPTEL videos, and then demonstrations are practiced during the lab session.

The placement cell is also actively organizing various events and programs to enable active participation in learning. Digital infrastructure is updated day by day to support all aspects of experimental learning.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	http://tjsec.in/wp-content/uploads/2023/07/2.3.1-%E2%80%93-Student-centric-methods-such-as-experiential-learning-participative-learning-and-problem-solving-methodologies-are-used-for-enhancing-learning-experiences-1.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

In TJSEC, faculties are expertised to use ICT-enabled tools for the effective teaching-learning process. Information and Communication Technology (ICT) is used to support, enhance, and optimize the delivery of information. Faculties are use ICT for routine tasks such as lesson plan development, record keeping, information presentation, and searching on the internet.

ICT tools used in the institution are

1. 37 wall mounted and well furnished projectors are available in classrooms and labs.
2. Desktops/laptops arranged in computer labs to easily access the ICT.
3. Photocopy machines, scanners, and printer sharing are available at all predominant places.
4. Two seminar halls equipped with projectors and digital facilities are available and can be used for seminars, conferences, and guest lectures.
5. Online classes are conducted through Google classrooms, Microsoft teams;., Zoom meetings, and Google meet.

Use of ICT by faculty

1. Powerpoint presentation -Faculties are using PPT in teaching by using the projector as per the lesson plan requirement.
2. Online test – Faculties prepare MCQ online for students after each unit complete with the help of Google forms
3. Video conferencing and video lecturing are also encouraged for long-term learning and referencing.

File Description	Documents
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	[View File](#)

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

2.3.3.1 - Number of mentors

43

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	*View File*
Circulars pertaining to assigning mentors to mentees	*View File*
Mentor/mentee ratio	*View File*

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

89

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	*View File*
Any additional information	*View File*
List of the faculty members authenticated by the Head of HEI	*View File*

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

16

File Description	Documents
Any additional information	*View File*
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	*View File*

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

2.4.3.1 - Total experience of full-time teachers

554

File Description	Documents
Any additional information	[View File]()
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	[View File]()

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

T.J.S Engineering College is affiliated to Anna University, Chennai,follows the Examination pattern of the university. Anna University guidelines are strictly adhered to concerning the evaluation process. The schedules of internal assessments are communicated to students and faculty at the beginning of the semester through the institute's academic calendar .

The institute has reformed the Continuous Assessment Test (CAT) system from faculty centric to student-centric. The Exam cell framed guidelines for conducting the CAT in line with the calendar of the Affiliate University and Institutions.

After Scheduling Internal Assessment Test, Seating Arrangements, Hall Invigilators list for CAT-1, CAT-2, and Model Exam are made. Based revised Bloom's taxonomy the question papers are prepared for the internal assessment test in the prescribed pattern.Scrutiny of the prepared question paper is carried out by HOD/ Subject expert to ensure the quality of Question paper.

Once the internal assessment test got completed, the faculties evaluate the answer scripts and distribute them to the students for re-correction. The faculty submits the re-corrected scripts to the concerned department and marks are displayed on the notice board.

The evaluation for theory courses is assessed at 80% in semester university examinations and 20% in internal assessment test.

File Description	Documents
Any additional information	[View File]()
Link for additional information	http://tjsec.in/wp-content/uploads/2023/05/2.5.1-%E2%80%93-Mechanism-of-internal-assessment-is-transparent-and-robust-in-terms-of-frequency-and-mode.-Write-description-within-200-words..pdf

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

An examination committee is established at the TJSEC, with additional teaching staff serving as members. A senior faculty member serves as the committee's controller of examinations. TJSEC carefully adheres to the directives and regulations provided by the affiliated university, while conducting internal exams.

• TJSEC administers three internal evaluation assessments for each semester.

• The test schedule is created in advance and shared with the students beforehand.

• In continuation of the internal assessment answer script evaluation, the scripts are presented to the students for verification of any discrepancies or areas of uncertainty.

• Faculty members provide clarification to students who have any questions so that they can do better in the future.

• Any complaints regarding the assessment of tests question paper, such as out of syllabus, repeated questions, improper split of marks, marks missed, or wrong question number are addressed to the concerned faculty and HOD and the same reported to the Controller of Examinations immediately.

• The assessment marks of all three assessment tests are uploaded on the university web portal.

• The examination committee members quickly inform to the students about the Controller of Examination's decision or information.

File Description	Documents
Any additional information	View File
Link for additional information	http://tjsec.in/wp-content/uploads/2023/05/2.5.2-%E2%80%93-Mechanism-to-deal-with-internal-examination-related-grievances-is-transparent-time-bound-and-efficient.pdf

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.

All the file programs in the institution have twelve common program outcomes such as engineering knowledge, problem analysis, design /development of the solution, investigation of complex problem, modern tool usage, the engineer and society, environment and sustainability, ethics, individual and teamwork, communication, project management and finance, life-long learning.

Based on the program's outcomes each department defines two or three programmme specific outcomes. Mapping of program outcome and course outcome is done and attainment level is also calculated for each subject purely based on student performance in internal assessments. All three outcomes namely program outcomes (PO), course outcomes (CO), and program-specific outcomes (PSO) are displayed on the website, handbook, prospectors, faculty log book, student notebook, and record notebook also in a prominent location in college campus.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://tjsec.in/po-pso/
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Through bloom's taxonomy of the learning domain, the course attainment level is evaluated. The slow learner whose scores are less than 70% are motivated and guided through remedial classes, class tests, re-test, quizzes, and objective tests conducted to

assess the attainment of course outcomes (CO). The institution put all its efforts to get the students ready to work in a challenging professional environment.

To meet program outcomes not covered by the regular curriculum, the co-curriculum, extra-curricular activity, industrial visits, and training program are arranged. Course outcomes are calculated including both internal assessment and university exam performance. This attainment comes generally to the 1-2 range at beginning of the course. once the student gets accustomed to the subject the attainment level comes to the 2-3 range.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://tjsec.in/wp-content/uploads/2023/05/2.6.2-%E2%80%93-Attainment-of-Programme-outcomes-and-course-outcomes-are-evaluated-by-the-institution..pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

145

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	http://tjsec.in/wp-content/uploads/2023/05/2.6.3.2-doc.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

http://tjsec.in/wp-content/uploads/2023/05/2.7-Student-

Satisfaction-Survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

0

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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

3.1.2.1 - Number of teachers recognized as research guides

0

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

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

T.J.S Engineering College has created an ecosystem for innovations, creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc. Awareness, workshops, seminars and guest lectures on Entrepreneurship and Technology are organized. Students are provided opportunities to interact with entrepreneurs excelling in their field. The objective of the Incubation Centre is to facilitate students to convert their ideas into Technological Innovations. Students are encouraged to gain hands on experience and better Industrial Exposure. Institution Innovation Council (IIC) organized various activities which gives real time exposure to the students and provide them a platform to showcase and implement their practical learning. It supports to prepare institute for NIRF Ranking and Atal Ranking of Institutions on Innovation Achievements Framework and also establish Function Ecosystem for Scouting Ideas and Pre incubation of Ideas. Through this cell Startup were initiated by the students for the latest innovations. The Smart India Hackathon is organized and cash prize will be provided by MHRD. T.J.S Engineering college conducts coding contest and HACKTHONs through IIC. Through this activities students will be exposed to national and international environments and get inspiration about innovations. Students are provided with an opportunity to acquire skills for commercialization of their product

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/05/3.2.1-%E2%80%93-Institution-has-created-an-ecosystem-for-innovations-and-has-initiatives-for-creation-and-transfer-of-knowledge.pdf

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

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

11

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	http://tjsec.in/wp-content/uploads/2023/05/3.3.1-%E2%80%93-Number-of-Ph.Ds-registered-per-eligible-teacher-during-the-year.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

07

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

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 year

03

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 year

T.J.S Engineering College organizes a number of extension activities to promote institute neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development in the neighborhood community, sensitizing students to social issues, for their holistic development. The college runs Youth Red Cross effectively. Youth Red Cross addresses social issues which include tree plantation, Blood donation camp, Health checkup. Regular health check-ups help to identify any early signs of health issues. Finding problems early increases chances for effective treatment. Health checks are usually incorporated into routine medical care. In T.J.S Engineering College Regular Health checkups

are done for all faculty and staff members. The students also, participate in National Intellectual Property awareness mission. Other than Youth Red Cross the various departments of the college is conscious about its responsibilities in shaping the students into responsible citizens of the country. T.J.S Engineering College make students aware of social issues through various program like National intellectual property awareness mission, Blood Donation camp, Health Checkup. Which will have positive impact on them and would develop student community relationship and leadership skill

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/3.4.1-%E2%80%93-Extension-activities-are-carried-out-in-the-neighborhood-community-sensitizing-students-to-social-issues-for-their-holistic-development-and-impact-thereof-during-the-year.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

7

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

06

File Description	Documents
Reports of the event organized	**No File Uploaded**
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

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 year

125

File Description	Documents
Report of the event	**No File Uploaded**
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

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

23

File Description	Documents
e-copies of related Document	**No File Uploaded**
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

14

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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.

T.J.S Engineering College has obligatory infrastructure required for effective teaching-learning process. The Infrastructure has adequate facilities to fulfill the norms laid by AICTE and Anna University. The available facilities are enhanced by addressing the needs of students to support development activities. The facility of ICT tools helps to strengthen the teaching and learning process. The physical Infrastructure consists of 36 classrooms, 28 laboratories, 2 Seminar halls, open auditorium, and playgrounds. Moreover the Institute is supporting Academic and Administration rooms for UG and PG programs. Classrooms and seminar halls are effectively ventilated, lighted well-furnished and equipped with LCD projector, Internet connectivity.

All the departments conduct various activities to facilitate Teaching-Learning Process. Laboratories and equipment are regularly maintained and updated. The charts are displayed in the Laboratories for better understanding of theory and practical concepts. For Internet access and computing purpose, TJSEC has 497 Computers connected in LAN with 300 Mbps Bandwidth. Computer laboratories are equipped with high-end servers with latest configuration.

Library has compilation of books, e-journals, journals, Web based resources, Audio/Video materials etc. Training & Placement cell provides adequate Infrastructure exclusively for training, Placement and co-curricular activities. It has separate Seminar hall to carry out those activities

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/4.1.1-%E2%80%93-The-Institution-has-adequate-infrastructure-and-physical-facilities-for-teaching-learning.-viz.-classrooms-laboratories-computing-equipment-etc..pdf

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

Academics along with sports related activities play a significant role, in shaping the personality and character of a student. With the same ideology, TJSEC emphasizes on college sports, cultural activities and encourages students to participate in various tournaments. The activity includesathletics, games, yoga and cultural events etc.

TJSEC has amenities for all games and sports. A well-equipped gymnasium and Yoga centre is also provided for both students and faculty to maintain their fitness.

TJSEC students have represented in state level in Cricket, Volleyball, and Athletics etc. A number of awards for outstanding performance in sports/cultural activities in state level have been accomplished.

TJSEC also provides Yoga facilities for students and faculties. Yoga is a form of exercise consisting largely of the asanas that helps to improve strength, balance and flexibility of the body and peace of mind.

Cultural programs at TJSEC:

TJSEC believes in extracting extra-curricular skills of the students through the various cultural activities. Being in the field of education, the TJSEC takes the responsibility to create

friendly and encouraging environment in the campus. Cultural Meet Club performs various activities and organizes events like celebration of orientation day, World Environmental day, Annual day, Graduation day, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://tjsec.in/gallery-2/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

29

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/4.1.3-%E2%80%93-Number-of-classrooms-and-seminar-halls-with-ICT-enabled-facilities-such-as-smart-class-LMS-etc..pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

0

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

In TJS Engineering College with EFY Library automated management software, in-house library operations with a fully-integrated system can be done. Library automation consists of the hardware and software used to automate libraries. Library automation provides automated tools for managing a library's collections and usage information. Library automation software makes it easier for patrons to use electronic resources. It increases the efficiency of the library. It makes information more available and accessible in an easier manner. The possibility of data and resource duplication is eliminated with automation. We can find books in an instant, issue/reissue books quickly, and manage all the data efficiently and orderly using this system. The purpose of a library management system is to provide instant and accurate data regarding any type of book, thereby saving a lot of time and effort. In TJS Engineering College through EFY Library automated management software, all following daily tasks and services are automated.

Circulation: Lending, renewal, return, on hold, etc.

Cataloging: Resource storage, management, retrieval, etc.

Acquisition: Acquisition process, order, receive, returns, cancellations, etc.

Serial Control: Placing orders, canceling, claiming, returning unwanted, defective, accounting, etc.

Library Automation is also used to automate, digital libraries, intranet access, and more.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	http://tjsec.in/wp-content/uploads/2023/07/4.2.1-%E2%80%93-Library-is-automated-using-Integrated-Library-Management-SystemILMS.pdf

4.2.2 - The institution has subscription for the **A. Any 4 or more of the above**
following e-resources e-journals e-
ShodhSindhu Shodhganga Membership e-
books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

3.09

File Description	Documents
Any additional information	[View File](#)
Audited statements of accounts	[View File](#)
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	[View File](#)

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

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

158

File Description	Documents
Any additional information	[View File]()
Details of library usage by teachers and students	[View File]()

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

TJSEC has an IT policy covering Wi-Fi, Cyber security, etc. TJSEC has allocated budget for updating its IT facilities. It has a well-established IT infrastructure updates its laboratories including, Hardware, system & application Software Wi-Fi connectivity regularly. In TJSEC, they provided various computer labs for every department with the all required Software. Internet bandwidth of 40mbps in 2021 was upgraded to 300mbps in 2022. Over 235 computers on the campus are connected through the Local Area Network (LAN). Overall there are 408 systems in campus. TJSEC has Microsoft Campus Agreement (MCCA) to make use of Microsoft productivity software which is highly useful to students. The computer labs are kept open from 8.30am up to 3.30pm for the utilization and comfort for use of the faculty & students. The Wi-Fi facility is available in college and also provided to the students & faculty and in hostel premises also. A separate internet lab is also provided to the students. The students as well as the faculties can access the internet from their own laptops anywhere on the college through Wi-Fi.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/4.3.1.pdf

4.3.2 - Number of Computers

316

File Description	Documents
Upload any additional information	[View File]()
List of Computers	[View File]()

4.3.3 - Bandwidth of internet connection in the Institution   **B. 30 - 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

25.66

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

T.J.S Engineering College has a well-defined policy and system for the maintenance and utilization of all its physical and academic facilities .The College has appointed maintenance support staff to look after the buildings, types of equipment, and all other infrastructural facilities to maintain them in condition. Infrastructure-related problems are attended to by the maintenance staff under the supervision of the supervisor and the administrative officer. Classroom Cleanliness, housekeeping, sanitary maintenance, library, hostel buildings, mess, and college canteen are maintained, Centralized R.O plant for constant water supply and power supply is well taken care

by technicians. General Instructions to students regarding the

safe and secure usage of equipment while in the laboratory are displayed in each lab. The laboratories are maintained by the lab instructor. Maintenance of computers (Hardware and Software), updating software are done by system administrator. The classrooms are well ventilated which ensures a pleasant learning environment. The cleanliness of the playgrounds and play areas is maintained by the gardener. Regular maintenance of garden, landscapes maintenance are ensured regularly. The college has exclusive maintenance for pest control, garden maintenance, housekeeping, etc. The college has

well-maintained lawns to improve the ambiance on the campus

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/4.4.2-%E2%80%93-There-are-established-systems-and-procedures-for-maintaining-and-utilizing-physical-academic-and-support-facilities-%E2%80%93-laboratory-library-sports-complex-computers-classrooms-etc..pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

423

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

63

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills   **A. All of the above**

File Description	Documents
Link to Institutional website	http://tjsec.in/wp-content/uploads/2023/07/5.1.3-INDEX-1.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

397

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

397

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

B. Any 3 of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

127

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

04

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

1

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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) during the year.

03

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at unive rsity/state/national/international level (During the year) (Data Template)	View File

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

Co-Curricular Activities and Extracurricular ActivitiesWe have framed the Sports, Cultural Meet, Hostel Committee, Anti- Ragging etc., committees are formed. We encourage the student'scommunication skills, technical skills, and excellence in sports, cultural activities, team work, and time management and alsoexpected to build leadership qualities and confidence Cultural events are conducted every year on the eve of annual day,convocation day, freshers day and Alumni meet. The Academic Monitoring system is used to improve performance curriculum contentsand develop beyond the curriculum to facilitate students. PlacementCell can get feedback from them and make right decision insuggesting students to take appropriate training before attending the interviews. Institution conducts regular symposiums departmentwise during the odd semester and conferences during the even semester. Workshops are a routine activity every month. Studentshave participated in competitions and symposiums of the institutes and have won prizes and accolades.TJS entrepreneurship developmentcell enables the student's members to walk out of the campus with anentrepreneurial attitude or ability. Seminars and Guest Lectures areconducted to enhance the technical knowledge of the students inrecent technology and to think beyond the subjects

to excel incareer.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/5.3.2-INDEX-1.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

25

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

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

TJS Engineering College is organizing Alumni Association meet at the end of everyacademic year to celebrate and refresh old relationships. The Alumni are a strong support to theinstitution. An active Alumni Association can contribute in academic matters, student support as wellas mobilization of resources. We are conducting an Alumni meet for strengthening the bond betweenthe teachers and the students. The meetings were clubbed with cultural activities for theentertainment of alumni. This provides an opportunity for them to maintain contact with oldstudents and among themselves. The association contributes significantly to the development of the institution through financial and non-financial means. The details of Alumni meet conducted andAnnual Alumni

contribution are duly certified by Chartered Accountant for the year 2013-21 isattached.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/5.4.1-2.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)   **E. <1Lakhs**

File Description	Documents
Upload any additional information	View File

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

Vision:

To empower the youth by developing their capabilities through quality education based on values.

Mission:

• To promote education through a holistic manner to make them employable

• To make them responsible citizens to participate in the advancement of the society

• To make them contribute to the national growth and the world at large.

• To promote excellence, quality and relevance in the field of technology to suit the industry needs.

The Chairman leads the administration of the TJSEC and directs the principal, professors, and students as they work to realize the institute's Vision. The Chairman must give his approval for all

important decisions involving the start of new programs, the development of infrastructure, and the creation and dissemination of strategy.

The perspective plans are prepared by the Principal. The academic calendar scheduling the internal assessment, industrial visits, conferences, workshops, seminars, FDPs, club activities, sports day, graduation day, celebrations etc .The Principal ensures quality standards in education, the learning process, and other related activities. The operating plans for each department are created by the HODs with the Principal's needs in mind. The tasks and responsibilities for working in an amicable environment with total transparency are given to faculty.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/6.1.1.pdf
Upload any additional information	View File

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

In TJSEC The institution's management, administration, finances, and academic issues are all managed through decentralized, transparent processes. This system of assigning proper duties from upper management to lower management frees up top management to concentrate on formulating policies and making important decisions. In accordance with the demands of the regulatory bodies, the establishment of statutory committees such as the Planning and Monitoring, IQAC, Anti-Ragging and Internal Complaints Committee is routinely carried out. These committees have a significant influence on how governance, academia, research, teaching, and learning policies are made. The Head of the Institution makes sure that the pupils receive a high-quality education that promotes their overall growth. The Head of the Institution also oversees the institution's overall growth and compliance with its strategic plan. The Head of the Institution oversees the institution's efficient operation with the help of the IQAC Coordinator and heads of the departments. A number of committees collaborate to plan, organize, carry out, and supervise all of the Institution's activities. Even at the departmental levels, the decentralized structure is present. The management and all stakeholders, including department heads, faculty, students,

alumni, employers, university nominees, industry experts and educators are active in the institution's many functional committees.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/Index-6.1.2.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The strategy plan and deployment document were carefully crafted with the participation of all the stakeholders, this is an essential part for the success of any Institute. In TJSEC, successfully implemented based on the strategic plan to create the bridge between the industry and institute.

The Principal, Academic Council, and other committees will periodically examine and evaluate the strategic plan's implementation. The Academic Council and The Governing Body will receive the IQAC's results report. The results will be thoroughly analyzed, based on IQAC report, the aforementioned will suggest the need for further processes, deployment of resources, and corrective actions.

The aspirations of the industry and the resources that are now available in academics are not in alignment. It needs to be bridged immediately with honesty. The current educational system has a number of difficulties, including a disproportionate focus on memorization and a lack of support for innovation. To bridge the gap, TJSEC has implemented the various remedial action for creating the gap between the industry and institution.

File Description	Documents
Strategic Plan and deployment documents on the website	<u>View File</u>
Paste link for additional information	<u>http://tjsec.in/wp-content/uploads/2023/07/6.2.1-Index.pdf</u>
Upload any additional information	<u>View File</u>

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

The organogram of the institution indicates that the Organization is supported by the Board of Trustees and Governing Council, Academic Council. This institution is a unit of T.J. Sivananda Mudaliar Educational Trust. Shri. T.J. Govindarajan., Educationalist, Industrialist, and philanthropist was the Chairman of the Governing Council of the college. The Governing Council accommodates highly prestigious and academic members of the society along with a higher level of faculty members of the college. The major decisions for the college are taken by the governing council meeting to arrive at major policy decisions. The admission, financial administration, and academic administration of the interaction are carried out by the executive committee whose members are Chairman, Vice-Chairman, Secretary, Treasurer, and Principal. The board of trustees comprises three members besides the secretary and treasurer. The Principal is assisted by the staff council and also assisted by the office of the Principal. The appointment of faculty and staff members is based on norms issued by the affiliating university while the service rules are formulated and amended through meetings at various levels. The policies of the institution help in the successful functioning through the implementation of optimal procedures instructed by AICTE, UGC NBA and NAAC standards

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2022/06/6.2.2.-Organogram-of-the-Institution.pdf
Link to Organogram of the institution webpage	http://tjsec.in/wp-content/uploads/2022/06/6.2.2.-Organogram-of-the-Institution.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

C. Any 2 of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The list of effective welfare measures existing for both teaching and non-teaching staff helps in the effective functioning of our organization. Leave benefits, Medical Centre for treatment, Gym, Canteen facility, Tour advance, Festival Advance, Social welfare - PF, ESI, Group Insurance Scheme, Fees concession forwards of faculty.1. Casual Leave: A total of 12 days' leave is given in a year along with Restricted Holidays. 2. Sick Leave: This type of leave is given 10 days a year. 3. Maternity Leave: Female staff is entitled to a maximum of 4 weeks (28 days) of maternity leave with postnatal leave. 4. Summer Winter vacation: This is given 4 weeks in summer and 2 weeks in winter. 5. Provident Fund: It is composed of contributions made by the employee during the time he/she worked along with an equal contribution by the employer. 6 50% fee waiver to employees Childers studying in our group of institution

and also Regular permission for higher learning, and research are in place which promotes a motivating factor in the college.

File Description	Documents
Paste link for additional information	https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiI6ImQ0aWpYSFVaSEIvNytTYVRlMVRpTUE9PSIsInZhbHVlIjoiSXN5bXNKUExuMHRIUlBiRXB6NWIzQlF5WFJMWGR3UllJJa2htU2JwcUE2VVVnczJVSnRON0VDaU9INzFNMzZXTyIsIm1hYyI6IjUyNWE5ZTQ0MTBhMDYxNzBkNzNmNjM0ZWQ3NWM2ZDFkMmFhMTEwOWZmNmMwNTNiN2ZmOGU4NTMxZTY1MmY5NjIiLCJ0YWciOiIifQ==
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

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

58

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

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

8

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

74

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

A good and open Performance management system was established and followed by the management of T.J.S Engineering college since 2012 towards the improvement of organizational performance and individuals for achievements organizational mission and vision. A

well effective performance appraisal management system plays an important role in managing the organization in very effective manner by keeping this an important constrain. TJSEC has following the appraisal system suggested by AICTE. The system is divide in major three division i) Teaching, Learning and Evaluation related activities (ii) Co-Curricular, Extension and Professional Development related activities (iii) Research Publications and Academic Contributions, At the end of every academic year faculty and staff are asked to submitted the filled appraisal form to the concerned HOD's.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/6.3.5-INDEX-SHEET.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Internal audit:

TJSEC conducts internal financial auditing once a Year. The process of auditing starts with the budgetary preparation and there is well defined process for sanction of budget. The approved budget is communicated to administrative in-charges. The Chairman monitors and reviews the expenditures of the Institution by conducting budget meeting. The monitoring of expenditure against budget is regularly undertaken annually, where all department in-charges and administrative in-charges submit their annual expenditure statement to the Principal and it is forwarded to the Chairman.

The main purpose of this procedure is to control the expenses and increase the operating efficiency. Proper record for all budget expenses is maintained by each department in-charges, administrative in-charges, accounts department, and the Principal office. Further the accounts department maintains the record of all the expenditures after the verification of vouchers and bills.

External auditing

TJSEC complies with the statutory auditing norms. At the end of every financial year, the income and expenditure statement is duly audited and authorized by a Chartered Accountant. The Chartered Accountant prepares and submits the auditor's report for the financial year. After the Verification of all Financial reports, The ITR were filled.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/6.4.2-Index-.pdf
Upload any additional information	View File

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

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

0

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

TJS Engineering College is a self-financed institution, where the funds are generated through the fees paid by the students. The TJSEC has a well-defined mechanism to monitor the effective and efficient utilization of available financial resources to develop academic processes and infrastructure development. Optimal Utilization of funds and resources are ensured through induction and orientation Programs, workshops, inter-disciplinary activities, training programs, Refresher Courses, Faculty Development Programs, Conferences, Industry-Academia interactions that ensure quality education. All the administrative and academic heads are requested to submit the budget required for the subsequent financial year.

A major source of revenue for the college is from the tuition fee collected from the students as per the state government guide lines .The collected fee is deposited in the Institution's account and withdrawn periodically as per the institute's requirements. Institute adheres to the Utilization of budget approved for academic expenses and administrative expenses by the management. The funds are also utilized for infrastructure development, salary, research, training activities, ICT tools, green campus initiative, extension activities, transport, maintenance, welfare measures, and library. The Utilization of the allocated funds is monitored periodically and audited at the end of every financial year

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/6.4.3-Index.pdf
Upload any additional information	View File

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

IQAC has contributed significantly for institutionalizing the quality assurance strategies and processesin the following area:

IQAC Academic Auditing Process

The TJSEC takes academic audit of each department through IQAC to improve the quality of education. Academic Audit Committee is formed by IQAC Head and The Principal at the beginning of academic session. IQAC collects Theory and Lab Time Table, Assignments, Industrial Visits, seminars and workshops plan. The Auditing Committee will evaluate the individual faculty academic, co-curricular activities, Students performance progresses twice in a year. The report will be submitted to the Principal through IQAC head for suggestion and approval.

Pre-final and Final year projects

The TJSEC, IQAC is concerned and suggesting students to plan their projects in pre-final and final year. For the Design and Fabrication Project (DFP) and Final year projects, students present two reviews and marks are awarded by guides. It is

compulsory for pre-final students to undertake DFP project and final year students to undertake project.The third review is evaluated by External Examiners and the recommended projects will be registered in Smart India Idea Hackathon. This is an initiative taken by the IQAC and IIC for doing quality projects.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/6.5.1-1F.pdf
Upload any additional information	View File

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

IQAC review the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals in the following area:

Content beyond the syllabus and FACE online programming

Teaching and learning process is constantly reviewed by the Department Heads and reported to the Principal. Beyond the regular lectures by faculty members, students are given opportunities to attend industry expert's keynote speech. This lecture enables students to gain knowledge on industry requirements.

FACE's placement training is an online programme established by management to assist students in better placement. FACE is an initiative facilitated by IQAC with the support from Training and Placement (TAP) Cell. Better placement offers, content beyond the job training are the outcomes of FACE programme.

Video Classes and Naan Mudhalvan online courses

Apart from classroom lectures, videos are shown for certain topics outside of the syllabus to learn current technologies. Students were encouraged to focus on their project work in better way. Lesson plan with video class hours is provided in the course file.

Students are encouraged to register Naan Mudhalvan online courses initiated by Anna University and Tamil Nadu Skill Development Centre. Students will get certificate and credit adjusted with

University subjects list.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/6.5.2-index.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	http://tjsec.in/wp-content/uploads/2023/07/6.5.3.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 year

The institute promotes gender sensitivity through various initiatives andactions for creating safe, secure and healthy atmosphere in the campus.Events relating to gender equity promotion are carried out throughout theyear in the campus

Safety & Security:

1. A resident lady warden in the ladies' hostel is employed along with a separate resident warden for boys' hostel.

2. CCTV cameras have been fixed in the prominent places like hostel, campus corridors, main campus building and common places.

3. Statutory committees like Anti-Sexual harassment committee, Grievance Redressal committee comprising of female faculty members is constituted as per the AICTE/University guidelines and is working effectively.

4. Anti-ragging committee takes in stake of ragging incidents, if any regularly

Counseling:

1. The college has a well-defined student counseling system. Each student is allotted with a particular faculty member who will be his/her counsel till the end of his/her course.

2. Each faculty has 15 to 20 students to mentoring. This improves the relationship between student and the mentor and helps the mentor to know the overall personality of each student.

3. Students meet their mentors for any grievances- regarding gender related issues if any, personal problems, general issues, lack of facilities, academics etc.

4. A Student welfare and counseling committee is constituted to monitor the student counseling process.

File Description	Documents
Annual gender sensitization action plan	http://tjsec.in/wp-content/uploads/2023/07/7.1.1-INDEX.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://tjsec.in/wp-content/uploads/2023/07/7.1.1-INDEX.pdf

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

B. Any 3 of the above

Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

File Description	Documents
Geo tagged Photographs	[View File](#)
Any other relevant information	[View File](#)

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid Waste Management:

The institution takes all the measures required to ensure that the campus is free of plastic items and other wastes that harm the environment. The solid waste generated in the campus are paper waste from day to day activities, and food waste from canteen. The waste is reduced at the source, further the paper waste is collected and sent to "ITC" a recycling vendor and the waste papers are replaced by normal A4 sheets.

Liquid Waste Management:

The sources of liquid waste, inside the campus are sullage from canteen, sewage inside the campus and waste water from R.O plant. Sullage is treated by natural oxidation disposed to nearby agricultural land.Waste water from R.O. plant is reused for gardening.

E-Waste Management:

All Electronic waste like CPU's, Hard disks, Laboratory Equipment scrap is sent to JDAG – E waste management company located in Thiruvallur district. Once the computers get expired, they are collected from different locations of the campus by designated technicians. The irreparable are inspected by the authorities and it's open for disposal through contractors or vendors for reuse / recycling purpose

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the

A. Any 4 or all of the above

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

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (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

`A. Any 4 or all of the above`

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

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 200 words).

`TAMIL MANDRAM`

The main objective of the Tamil Mandram isto promote students' knowledge in Tamil Language and to disseminate our ancient Tamil Culture among the youth.

ENGLISH LITERARY CLUB

The English literary club helps the Students to learn beyond the classrooms. ELC offers a dynamic platform to engage the students in literary forums like debating, elocution, essay writing, poster making and poetry writing.

STUDENT INDUCTION PROGRAMME

Student Induction Programme is conducted for the first year students to make them feel comfortable in the new environment. It is a well planned to teach the freshers to know the particulars of our institution.

BLOOD DONATION CAMP

The NSS Unit of Our College regularly organizes blood donation camps every year. The students and the faculty members come forward voluntarily to donate blood. The donors and volunteers are also issued certificates.

VOTERS DAY CELEBRATION

Our college organized National Voters Day Celebration on at college premises. The objective of the program was to inculcate constitutional obligations among students, to create awareness about Universal Franchise, to sensitize the students about importance of voting. The Students and staff understood the importance of right to vote and Students and staff took constitution day oath

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Every year we are conducting Anti ragging, Anti -drug programme through various committees already formed and on 25.1.22 voter's day was celebrated to create the awareness among young voters. Blood donation camp was organized every year but this year due to pandemic situation we have postponed it to the upcoming year. To inculcate the values for being responsible citizens programme to address gender issues, green revolution,ecosystems, energyaudit, beyond the campus environmental promotional activities were conducted.the students of computer science, electronics and communication engineering and mechanical engineering students were offered a course named professional ethics which will help them to acquire a wide range of knowledge about human values, universal values and work ethics. Considering the pandemic situation we have provide our institution as a covid care centre to the state government's health department. This most of the activities were conducted through online mode

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://tjsec.in/wp-content/uploads/2023/07/7.1.9-INDEX.pdf
Any other relevant information	http://tjsec.in/wp-content/uploads/2023/07/7.1.9-INDEX.pdf

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

B. Any 3 of the above

File Description	Documents
Code of ethics policy document	View File
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 File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The celebration of National/International commemorative days, events and festivals is great heritage in the Institute.

The institute has a tradition of celebrating the Republic Day and Independence Day with full vigour and enthusiasm. The celebration includes parade of NCC members of the student group, unfurling of the tri-colour national flag, singing of national anthem and address by the Chairman (TJS Group of institution) for the special days.

Students organize the teachers' day on 5th September every year in the College campus to felicitate the teachers and also to show their gratitude towards a great teacher and a legend Dr. S. P. Radhakrishnan. Every year Institute organizes a Pongal and Christmas day celebration. Every year Institute organizes Engineer's Day on 15th September, to commemorate the birth anniversary of Bharat Rathna Sri. Mokshagundam Visvesvaraya. Constitution day is celebrated on 26th November every year by reading out the Preamble as stated in Constitution of India. The institute takes all efforts to commemorate the Birth anniversary of Dr.A.P.J.Abdul kalam.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	**View File**
Geo tagged photographs of some of the events	**View File**
Any other relevant information	**View File**

7.2 - Best Practices

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

Best Practice -I

1.Title of the Practice:Daily Practice Test

2.Objectives of the Practice

To Encourage students to complete the assignments on regular basis.

To improve the understating of the subjects.

3.The Context:

DPT helps the students to master on important topics it encourges them to focus on future learning particulary on weakareas.

4.Practice:

Daily first one hour test.

A special focus is given on them and they are made to stay after the college hours to write the test

5.Evidence of success:

Improves knowledge retention.

6.Problems Encountered and Resources required:

The slow learners are identified by the respective subject teachers

Remedial classes are conducted in order to help them score letter marks.

Best Practice-II

1. Title of the Practice:-Students Associations of Department and College.

2.Objectives of the Practice

To develop about different types of entrance exams and interview.

3.The Context:

It is platform for students to participate actively in the activities conducted by students

associations.

4.The Practice:

After formation of association the activities are planned for a semester.

5.Evidence of success:

Students are actively participating in different activities, it makes a positive improvement in students like personality development, communication skills, management skills, programming skills etc.

6.Problems Encountered and Resources required:

To motivate students for participation is challenge

File Description	Documents
Best practices in the Institutional website	http://tjsec.in/wp-content/uploads/2023/07/7.2.1-INDEX.pdf
Any other relevant information	http://tjsec.in/wp-content/uploads/2023/07/7.2.1-INDEX.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Silent features of institute:

Entrepreneurship Development Cell

VISION Our vision is to help students who have an idea, product and burning desire to give HR, management, convincing skills, market exposure and investors for their startup. This cell will help students to understand the business world by actually working in a start-up.

MISSION

Our mission is to help the aspiring entrepreneurs start and grow their businesses by creating a pathway of various opportunities like interactive sessions with professionals, business competitions to increase the awareness. This will help foster entrepreneurial thinking, promote business knowledge and instill confidence in every student.

OBJECTIVES

- Inculcate the passion and spirit among students to pursue entrepreneurship.
- To spread the knowledge about entrepreneurship through guest lectures etc.
- Motivate students to develop their own start-ups.
- Identifying the brightest ideas and giving them one platform and convert them.

ACHIVEMENTS

- NIESBUD Empanelled Institution for the PRADHAN MANTRI YUVA YOJANA (PM YUVA) Scheme
- EDII TN authorized Spoke College under Anna University for the IEDP PROGRAMME
- IIC was established in 2021 and received 3 stars for various activities.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

Semester plan:

At the beginning of every semester, the semester plan is prepared by various departments and brought to student's notice. The semester plan contains details regarding the schedule for internal assessment test, assignments, subjects allotted to individual teachers according to their specialization and a plan of activity proposed to be conducted by the department during the semester. The semester plan makes the students aware of the proposed activities of the semester.

Course plan:

The concerned faculty for each subject prepares a detailed course plan which contains the units of syllabus and proposed dates of completion of the units. It also provides information about the text books and reference books to be followed. Each individual teacher maintains a log book in which the topics discussed in the class are recorded on daily basis, which will give an idea about the completion of the units according to the lesson plan. The course document and log book are exposed every month examination and endorsed by the HOD and Principal. The management provide support by providing the facilities required by the faculty members. Effectivedeliveryofthecurriculumisachievedbymakinguseofeffectiveteachingpracticesbyadoptingvariousmethods.

File Description	Documents
Upload relevant supporting document	<u>View File</u>
Link for Additional information	<u>http://tjsec.in/wp-content/uploads/2023/06/1.1.1-.pdf</u>

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The academic calendar was prepared for each semester as per the Anna University guidelines. Anna University provides details of the commencement of classes, Assessment test dates, attendance entry dates, Entry of marks, and commencement of end of semester examination date for theory and practical Examinations. Accordingly, the exam cell conducts internal tests and University exams.

TJSEC have an individual exam cell consists of a coordinator and senior faculty members. Based on Anna University Semester plan, this cell prepares a schedule for conducting Common Assessment Tests, Model exams, and Class Committee meetings. This Schedule is circulated to all the departments and is also displayed on the classroom notice board for the student's reference.

After getting the CAT Exam schedule, Faculty was prepared question papers as per the Blooms Taxonomy with course objectives. Answer papers were corrected and awarded mark list prepared with head of the department and principal signatures. The same procedures were repeated for all the examinations. Based on the continuous assessment examination results, the internal marks were awarded to the students as per the Anna University guidelines

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	http://tjsec.in/wp-content/uploads/2023/06/1.1.2-1.pdf

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 year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	B. Any 3 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

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

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

7

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

13

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

390

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The institution is affiliated to Anna University and the curriculum and syllabi are prescribed by Anna University. The Crosscutting issues like Gender, Environment and Sustainability, Human Values and Professional Ethics are well integrated into the Curriculum prescribed by Anna University.

Professional Ethics and Human values

In view of promoting the professional ethics among the engineering graduates the Anna University has introduced professional ethics as an elective course. Even though it is in academic curriculum

Gender Equity Initiatives

The Institution strives to promote equality of opportunity and treatment for all men and women working and studying at the College. Various cells and committees such as Anti-Ragging Committee, Anti sexual harassment cell, etc are proactive in handling gender-based issues.·Separate hostel for boys and girls with state of art infrastructure.

Environment and sustainability initiatives

The Institution gives utmost care to protect our environment and teach our students about the environment and sustainability issues occurring in the society. The TJSEC gives utmost care to create an environmentally friendly, sustainable campus

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

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

30

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

266

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the	A. All of the above

institution from the following stakeholders Students Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	http://tjsec.in/wp-content/uploads/2023/06/1.4.1-1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://tjsec.in/wp-content/uploads/2023/06/1.4.2-1.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

125

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

107

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

After admission, the learning levels of the students are assessed and categorized based on their and internal assessment performances, that is for first year students higher secondary education marks and first (CAT-1) common assessment test -1 marks. For second, third and final year students can be assessed by their previous semester final exam results and CAT-1 exam results. This process is continued for every semester.

1. Advanced Learners
2. Slow Learners

Advanced learners are encouraged to upgrade their technical knowledge by encourage them to participate in seminars, technical quizzes and symposiums and conferences. The faculties are providing NPTEL video links so that they can view their core subject videos to enrich their subject knowledge. Advanced learners are also motivated to communicate their manuscripts for journal publications. Mini projects and science exhibitions are conducted to share their knowledge.

To increase the learning ability of slow learners from first year the bridge course for about 10 days are conducted which includes the fundamental of mathematics, Physics and language classes. Apart from the above mind mapping techniques, tutorials and Special classes are conducted. Very excellent mentoring system is adapted to motivate and guide the students.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/2.2.1-%E2%80%93-The-institution-assesses-the-learning-levels-of-the-students-and-organizes-special-Programmes-for-advanced-learners-and-slow-learners.-1.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
522	89

File Description	Documents
Any additional information	View File

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

Student's centric methods such as experimental learning and problem-solving methodologies are used to change the learning experience. The TJSEC is highly focused to improve learning, Problem-solving methodologies through various activities. Value-added courses, software programs and also improving communication skills are provided through the ICT academy. To improve the student's practical learning capability and real-time problem-solving methodologies in an industrial environment many MOUs have been signed in the IBM, and SPACE CADD.

Every semester the students are arranged two industrial visits, In-plant training, and an internship which offer tremendous exposure to the students on problem-solving, project works and proto-type model making are encouraged by the management to the students at all levels. Every course is provided in the experimental learning by practical lab sessions and industrial visits as well as an internship. Participant learning is adopted in laboratory classes when the faculty member explains the principle and basic theory behind each experiment by using PowerPoint presentations, and NPTEL videos, and then demonstrations are practiced during the lab session.

The placement cell is also actively organizing various events and programs to enable active participation in learning. Digital infrastructure is updated day by day to support all aspects of experimental learning.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	http://tjsec.in/wp-content/uploads/2023/07/2.3.1-%E2%80%93-Student-centric-methods-such-as-experiential-learning-participative-learning-and-problem-solving-methodologies-are-used-for-enhancing-learning-experiences-1.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

In TJSEC, faculties are expertised to use ICT-enabled tools for the effective teaching-learning process. Information and Communication Technology (ICT) is used to support, enhance, and optimize the delivery of information. Faculties are use ICT for routine tasks such as lesson plan development, record keeping, information presentation, and searching on the internet.

ICT tools used in the institution are

1. **37 wall mounted and well furnished projectors are available in classrooms and labs.**
2. **Desktops/laptops arranged in computer labs to easily access the ICT.**
3. **Photocopy machines, scanners, and printer sharing are available at all predominant places.**
4. **Two seminar halls equipped with projectors and digital facilities are available and can be used for seminars, conferences, and guest lectures.**
5. **Online classes are conducted through Google classrooms, Microsoft teams;., Zoom meetings, and Google meet.**

Use of ICT by faculty

1. **Powerpoint presentation -Faculties are using PPT in teaching by using the projector as per the lesson plan requirement.**

2. Online test – Faculties prepare MCQ online for students after each unit complete with the help of Google forms
3. Video conferencing and video lecturing are also encouraged for long-term learning and referencing.

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

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

2.3.3.1 - Number of mentors

43

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

89

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality /

D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

16

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

554

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

T.J.S Engineering College is affiliated to Anna University, Chennai,follows the Examination pattern of the university. Anna University guidelines are strictly adhered to concerning the evaluation process. The schedules of internal assessments are communicated to students and faculty at the beginning of the semester through the institute's academic calendar .

The institute has reformed the Continuous Assessment Test (CAT) system from faculty centric to student-centric. The Exam cell framed guidelines for conducting the CAT in line with the calendar of the Affiliate University and Institutions.

After Scheduling Internal Assessment Test, Seating Arrangements, Hall Invigilators list for CAT-1, CAT-2, and Model Exam are made. Based revised Bloom's taxonomy the question papers are prepared for the internal assessment test in the prescribed pattern.Scrutiny of the prepared question paper is carried out by HOD/ Subject expert to ensure the quality of Question paper.

Once the internal assessment test got completed, the faculties evaluate the answer scripts and distribute them to the students for re-correction. The faculty submits the re-corrected scripts to the concerned department and marks are displayed on the notice board.

The evaluation for theory courses is assessed at 80% in semester university examinations and 20% in internal assessment test.

File Description	Documents
Any additional information	View File
Link for additional information	http://tjsec.in/wp-content/uploads/2023/05/2.5.1-%E2%80%93-Mechanism-of-internal-assessment-is-transparent-and-robust-in-terms-of-frequency-and-mode.-Write-description-within-200-words..pdf

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

An examination committee is established at the TJSEC, with additional teaching staff serving as members. A senior faculty member serves as the committee's controller of examinations. TJSEC carefully adheres to the directives and regulations provided by the affiliated university, while conducting internal exams.

• TJSEC administers three internal evaluation assessments for each semester.

• The test schedule is created in advance and shared with the students beforehand.

• In continuation of the internal assessment answer script evaluation, the scripts are presented to the students for

verification of any discrepancies or areas of uncertainty.

• Faculty members provide clarification to students who have any questions so that they can do better in the future.

• Any complaints regarding the assessment of tests question paper, such as out of syllabus, repeated questions, improper split of marks, marks missed, or wrong question number are addressed to the concerned faculty and HOD and the same reported to the Controller of Examinations immediately.

• The assessment marks of all three assessment tests are uploaded on the university web portal.

• The examination committee members quickly inform to the students about the Controller of Examination's decision or information.

File Description	Documents
Any additional information	View File
Link for additional information	http://tjsec.in/wp-content/uploads/2023/05/2.5.2-%E2%80%93-Mechanism-to-deal-with-internal-examination-related-grievances-is-transparent-time-bound-and-efficient.pdf

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.

All the file programs in the institution have twelve common program outcomes such as engineering knowledge, problem analysis, design /development of the solution, investigation of complex problem, modern tool usage, the engineer and society, environment and sustainability, ethics, individual and teamwork, communication, project management and finance, life-long learning.

Based on the program's outcomes each department defines two or three programme specific outcomes. Mapping of program outcome and course outcome is done and attainment level is also calculated for each subject purely based on student performance in internal assessments. All three outcomes namely program

outcomes (PO), course outcomes (CO), and program-specific outcomes (PSO) are displayed on the website, handbook, prospectors, faculty log book, student notebook, and record notebook also in a prominent location in college campus.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://tjsec.in/po-pso/
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Through bloom's taxonomy of the learning domain, the course attainment level is evaluated. The slow learner whose scores are less than 70% are motivated and guided through remedial classes, class tests, re-test, quizzes, and objective tests conducted to assess the attainment of course outcomes (CO). The institution put all its efforts to get the students ready to work in a challenging professional environment.

To meet program outcomes not covered by the regular curriculum, the co-curriculum, extra-curricular activity, industrial visits, and training program are arranged. Course outcomes are calculated including both internal assessment and university exam performance. This attainment comes generally to the 1-2 range at beginning of the course. once the student gets accustomed to the subject the attainment level comes to the 2-3 range.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	http://tjsec.in/wp-content/uploads/2023/05/2.6.2-%E2%80%93-Attainment-of-Programme-outcomes-and-course-outcomes-are-evaluated-by-the-institution..pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

145

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	http://tjsec.in/wp-content/uploads/2023/05/2.6.3.2-doc.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

http://tjsec.in/wp-content/uploads/2023/05/2.7-Student-Satisfaction-Survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

0

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic

year)

3.1.2.1 - Number of teachers recognized as research guides

0

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

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

T.J.S Engineering College has created an ecosystem for innovations, creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc. Awareness, workshops, seminars and guest lectures on Entrepreneurship and Technology are organized. Students are provided opportunities to interact with entrepreneurs excelling in their field. The objective of the Incubation Centre is to facilitate students to convert their ideas into Technological Innovations. Students are encouraged to gain hands on experience and better Industrial Exposure. Institution Innovation Council (IIC) organized various

activities which gives real time exposure to the students and provide them a platform to showcase and implement their practical learning. It supports to prepare institute for NIRF Ranking and Atal Ranking of Institutions on Innovation Achievements Framework and also establish Function Ecosystem for Scouting Ideas and Pre incubation of Ideas. Through this cell Startup were initiated by the students for the latest innovations. The Smart India Hackathon is organized and cash prize will be provided by MHRD. T.J.S Engineering college conducts coding contest and HACKTHONs through IIC. Through this activities students will be exposed to national and international environments and get inspiration about innovations. Students are provided with an opportunity to acquire skills for commercialization of their product

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/05/3.2.1-%E2%80%93-Institution-has-created-an-ecosystem-for-innovations-and-has-initiatives-for-creation-and-transfer-of-knowledge.pdf

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

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

11

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	http://tjsec.in/wp-content/uploads/2023/05/3.3.1-%E2%80%93-Number-of-Ph.Ds-registered-per-eligible-teacher-during-the-year.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

07

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

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 year

03

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 year

T.J.S Engineering College organizes a number of extension activities to promote institute neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development in the neighborhood community, sensitizing students to social issues, for their holistic development. The college runs Youth Red Cross effectively. Youth Red Cross addresses social issues which include tree plantation, Blood donation camp, Health checkup. Regular health check-ups help to identify any early signs of health issues. Finding problems early increases chances for effective treatment. Health checks are usually incorporated into routine medical care. In T.J.S Engineering College Regular Health checkups are done for all faculty and staff members. The students also, participate in National Intellectual Property awareness mission. Other than Youth Red Cross the various departments of the college is conscious about its responsibilities in shaping the students into responsible citizens of the country. T.J.S Engineering College make students aware of social issues through various program like National intellectual property awareness mission, Blood Donation camp, Health Checkup. Which will have positive impact on them and would develop student community relationship and leadership skill

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/3.4.1-%E2%80%93-Extension-activities-are-carried-out-in-the-neighborhood-community-sensitizing-students-to-social-issues-for-their-holistic-development-and-impact-thereof-during-the-year.pdf
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

7

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

06

File Description	Documents
Reports of the event organized	**No File Uploaded**
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

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 year

125

File Description	Documents
Report of the event	**No File Uploaded**
Any additional information	[View File](#)
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	[View File](#)

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

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

23

File Description	Documents
e-copies of related Document	**No File Uploaded**
Any additional information	[View File](#)
Details of Collaborative activities with institutions/industries for research, Faculty	[View File](#)

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

14

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

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.

T.J.S Engineering College has obligatory infrastructure required for effective teaching-learning process. The Infrastructure has adequate facilities to fulfill the norms laid by AICTE and Anna University. The available facilities are enhanced by addressing the needs of students to support development activities. The facility of ICT tools helps to strengthen the teaching and learning process. The physical Infrastructure consists of 36 classrooms, 28 laboratories, 2 Seminar halls, open auditorium, and playgrounds. Moreover the Institute is supporting Academic and Administration rooms for UG and PG programs. Classrooms and seminar halls are effectively ventilated, lighted well-furnished and equipped with LCD projector, Internet connectivity.

All the departments conduct various activities to facilitate Teaching-Learning Process. Laboratories and equipment are regularly maintained and updated. The charts are displayed in the Laboratories for better understanding of theory and practical concepts. For Internet access and computing purpose, TJSEC has 497 Computers connected in LAN with 300 Mbps Bandwidth. Computer laboratories are equipped with high-end servers with latest configuration.

Library has compilation of books, e-journals, journals, Web based resources, Audio/Video materials etc. Training & Placement cell provides adequate Infrastructure exclusively for training, Placement and co-curricular activities. It has separate Seminar hall to carry out those activities

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/4.1.1-%E2%80%93-The-Institution-has-adequate-infrastructure-and-physical-facilities-for-teaching-learning.-viz.-classrooms-laboratories-computing-equipment-etc..pdf

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

Academics along with sports related activities play a significant role, in shaping the personality and character of a student. With the same ideology, TJSEC emphasizes on college sports, cultural activities and encourages students to participate in various tournaments. The activity includesathletics, games, yoga and cultural events etc.

TJSEC has amenities for all games and sports. A well-equipped gymnasium and Yoga centre is also provided for both students and faculty to maintain their fitness.

TJSEC students have represented in state level in Cricket, Volleyball, and Athletics etc. A number of awards for outstanding performance in sports/cultural activities in state level have been accomplished.

TJSEC also provides Yoga facilities for students and faculties. Yoga is a form of exercise consisting largely of the asanas that helps to improve strength, balance and flexibility of the body and peace of mind.

Cultural programs at TJSEC:

TJSEC believes in extracting extra-curricular skills of the students through the various cultural activities. Being in the field of education, the TJSEC takes the responsibility to create friendly and encouraging environment in the campus. Cultural Meet Club performs various activities and organizes events like celebration of orientation day, World Environmental day, Annual day, Graduation day, etc.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://tjsec.in/gallery-2/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

29

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/4.1.3-%E2%80%93-Number-of-classrooms-and-seminar-halls-with-ICT-enabled-facilities-such-as-smart-class-LMS-etc..pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

0

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

In TJS Engineering College with EFY Library automated management software, in-house library operations with a fully-integrated system can be done. Library automation consists of the hardware and software used to automate libraries. Library automation provides automated tools for managing a library's collections and usage information. Library automation software makes it easier for patrons to use electronic resources. It increases the efficiency of the library. It makes information more available and accessible in an easier manner. The possibility of data and resource duplication is eliminated with

automation. We can find books in an instant, issue/reissue books quickly, and manage all the data efficiently and orderly using this system. The purpose of a library management system is to provide instant and accurate data regarding any type of book, thereby saving a lot of time and effort. In TJS Engineering College through EFY Library automated management software, all following daily tasks and services are automated.

Circulation: Lending, renewal, return, on hold, etc.

Cataloging: Resource storage, management, retrieval, etc.

Acquisition: Acquisition process, order, receive, returns, cancellations, etc.

Serial Control: Placing orders, canceling, claiming, returning unwanted, defective, accounting, etc.

Library Automation is also used to automate, digital libraries, intranet access, and more.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	http://tjsec.in/wp-content/uploads/2023/07/4.2.1-%E2%80%93-Library-is-automated-using-Integrated-Library-Management-SystemILMS.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above

File Description	Documents
Upload any additional information	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

3.09

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

158

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

TJSEC has an IT policy covering Wi-Fi, Cyber security, etc. TJSEC has allocated budget for updating its IT facilities. It has a well-established IT infrastructure updates its laboratories including, Hardware, system & application Software Wi-Fi connectivity regularly. In TJSEC, they provided various computer labs for every department with the all required Software. Internet bandwidth of 40mbps in 2021 was upgraded to 300mbps in 2022. Over 235 computers on the campus are connected through the Local Area Network (LAN). Overall there are 408 systems in campus. TJSEC has Microsoft Campus Agreement (MCCA) to make use of Microsoft productivity software which is highly useful to students. The computer labs are kept open from 8.30am up to 3.30pm for the utilization and comfort for use of the faculty & students. The Wi-Fi facility is available in college

and also provided to the students & faculty and in hostel premises also. A separate internet lab is also provided to the students. The students as well as the faculties can access the internet from their own laptops anywhere on the college through Wi-Fi.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/4.3.1.pdf

4.3.2 - Number of Computers

316

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution	B. 30 - 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

25.66

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

T.J.S Engineering College has a well-defined policy and system for the maintenance and utilization of all its physical and academic facilities .The College has appointed maintenance support staff to look after the buildings, types of equipment, and all other infrastructural facilities to maintain them in condition. Infrastructure-related problems are attended to by the maintenance staff under the supervision of the supervisor and the administrative officer. Classroom Cleanliness, housekeeping, sanitary maintenance, library, hostel buildings, mess, and college canteen are maintained, Centralized R.O plant for constant water supply and power supply is well taken care

by technicians. General Instructions to students regarding the safe and secure usage of equipment while in the laboratory are displayed in each lab. The laboratories are maintained by the lab instructor. Maintenance of computers (Hardware and Software), updating software are done by system administrator. The classrooms are well ventilated which ensures a pleasant learning environment. The cleanliness of the playgrounds and play areas is maintained by the gardener. Regular maintenance of garden, landscapes maintenance are ensured regularly. The college has exclusive maintenance for pest control, garden maintenance, housekeeping, etc. The college has

well-maintained lawns to improve the ambiance on the campus

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/4.4.2-%E2%80%93-There-are-established-systems-and-procedures-for-maintaining-and-utilizing-physical-academic-and-support-facilities-%E2%80%93-laboratory-library-sports-complex-computers-classrooms-etc..pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

423

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

63

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**A. All of the above**

File Description	Documents
Link to Institutional website	http://tjsec.in/wp-content/uploads/2023/07/5.1.3-INDEX-1.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

397

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

397

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent	**B. Any 3 of the above**

mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

127

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

04

File Description	Documents
Upload supporting data for student/alumni	[View File](#)
Any additional information	[View File](#)
Details of student progression to higher education	[View File](#)

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

1

File Description	Documents
Upload supporting data for the same	[View File](#)
Any additional information	[View File](#)
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	[View File](#)

5.3 - Student Participation and Activities

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

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) during the year.

03

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

Co-Curricular Activities and Extracurricular ActivitiesWe have framed the Sports, Cultural Meet, Hostel Committee, Anti-Ragging etc., committees are formed. We encourage the student'scommunication skills, technical skills, and excellence in sports, cultural activities, team work, and time management and alsoexpected to build leadership qualities and confidence Cultural events are conducted every year on the eve of annual day,convocation day, freshers day and Alumni meet. The Academic Monitoring system is used to improve performance curriculum contentsand develop beyond the curriculum to facilitate students. PlacementCell can get feedback from them and make right decision insuggesting students to take appropriate training before attending the interviews. Institution conducts regular symposiums departmentwise during the odd semester and conferences during the even semester. Workshops are a routine activity every month. Studentshave participated in competitions and symposiums of the institutes and have won prizes and accolades.TJS entrepreneurship developmentcell enables the student's members to walk out of the campus with anentrepreneurial attitude or ability. Seminars and Guest Lectures areconducted to enhance the technical knowledge of the students inrecent technology and to think beyond the subjects to excel incareer.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/5.3.2-INDEX-1.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

25

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

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

TJS Engineering College is organizing Alumni Association meet at the end of everyacademic year to celebrate and refresh old relationships. The Alumni are a strong support to theinstitution. An active Alumni Association can contribute in academic matters, student support as wellas mobilization of resources. We are conducting an Alumni meet for strengthening the bond betweenthe teachers and the students. The meetings were clubbed with cultural activities for theentertainment of alumni. This provides an opportunity for them to maintain contact with oldstudents and among themselves. The association contributes significantly to the development of the institution through financial and non-financial means. The details of Alumni meet conducted andAnnual Alumni contribution are duly

certified by Chartered Accountant for the year 2013-21 isattached.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/5.4.1-2.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	E. <1Lakhs

File Description	Documents
Upload any additional information	View File

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

Vision:

To empower the youth by developing their capabilities through quality education based on values.

Mission:

• To promote education through a holistic manner to make them employable

• To make them responsible citizens to participate in the advancement of the society

• To make them contribute to the national growth and the world at large.

• To promote excellence, quality and relevance in the field of technology to suit the industry needs.

The Chairman leads the administration of the TJSEC and directs the principal, professors, and students as they work to realize the institute's Vision. The Chairman must give his approval for

all important decisions involving the start of new programs, the development of infrastructure, and the creation and dissemination of strategy.

The perspective plans are prepared by the Principal. The academic calendar scheduling the internal assessment, industrial visits, conferences, workshops, seminars, FDPs, club activities, sports day, graduation day, celebrations etc .The Principal ensures quality standards in education, the learning process, and other related activities. The operating plans for each department are created by the HODs with the Principal's needs in mind. The tasks and responsibilities for working in an amicable environment with total transparency are given to faculty.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/6.1.1.pdf
Upload any additional information	View File

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

In TJSEC The institution's management, administration, finances, and academic issues are all managed through decentralized, transparent processes. This system of assigning proper duties from upper management to lower management frees up top management to concentrate on formulating policies and making important decisions. In accordance with the demands of the regulatory bodies, the establishment of statutory committees such as the Planning and Monitoring, IQAC, Anti-Ragging and Internal Complaints Committee is routinely carried out. These committees have a significant influence on how governance, academia, research, teaching, and learning policies are made. The Head of the Institution makes sure that the pupils receive a high-quality education that promotes their overall growth. The Head of the Institution also oversees the institution's overall growth and compliance with its strategic plan. The Head of the Institution oversees the institution's efficient operation with the help of the IQAC Coordinator and heads of the departments. A number of committees collaborate to plan, organize, carry out, and supervise all of the Institution's activities. Even at the departmental levels, the

decentralized structure is present. The management and all stakeholders, including department heads, faculty, students, alumni, employers, university nominees, industry experts and educators are active in the institution's many functional committees.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/Index-6.1.2.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The strategy plan and deployment document were carefully crafted with the participation of all the stakeholders, this is an essential part for the success of any Institute. In TJSEC, successfully implemented based on the strategic plan to create the bridge between the industry and institute.

The Principal, Academic Council, and other committees will periodically examine and evaluate the strategic plan's implementation. The Academic Council and The Governing Body will receive the IQAC's results report. The results will be thoroughly analyzed, based on IQAC report, the aforementioned will suggest the need for further processes, deployment of resources, and corrective actions.

The aspirations of the industry and the resources that are now available in academics are not in alignment. It needs to be bridged immediately with honesty. The current educational system has a number of difficulties, including a disproportionate focus on memorization and a lack of support for innovation. To bridge the gap, TJSEC has implemented the various remedial action for creating the gap between the industry and institution.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File]()
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/6.2.1-Index.pdf
Upload any additional information	[View File]()

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

The organogram of the institution indicates that the Organization is supported by the Board of Trustees and Governing Council, Academic Council. This institution is a unit of T.J. Sivananda Mudaliar Educational Trust. Shri. T.J. Govindarajan., Educationalist, Industrialist, and philanthropist was the Chairman of the Governing Council of the college. The Governing Council accommodates highly prestigious and academic members of the society along with a higher level of faculty members of the college. The major decisions for the college are taken by the governing council meeting to arrive at major policy decisions. The admission, financial administration, and academic administration of the interaction are carried out by the executive committee whose members are Chairman, Vice-Chairman, Secretary, Treasurer, and Principal. The board of trustees comprises three members besides the secretary and treasurer. The Principal is assisted by the staff council and also assisted by the office of the Principal. The appointment of faculty and staff members is based on norms issued by the affiliating university while the service rules are formulated and amended through meetings at various levels. The policies of the institution help in the successful functioning through the implementation of optimal procedures instructed by AICTE, UGC NBA and NAAC standards

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2022/06/6.2.2.-Organogram-of-the-Institution.pdf
Link to Organogram of the institution webpage	http://tjsec.in/wp-content/uploads/2022/06/6.2.2.-Organogram-of-the-Institution.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	**C. Any 2 of the above**

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The list of effective welfare measures existing for both teaching and non-teaching staff helps in the effective functioning of our organization. Leave benefits, Medical Centre for treatment, Gym, Canteen facility, Tour advance, Festival Advance, Social welfare - PF, ESI, Group Insurance Scheme, Fees concession forwards of faculty.1. Casual Leave: A total of 12 days' leave is given in a year along with Restricted Holidays. 2. Sick Leave: This type of leave is given 10 days a year. 3. Maternity Leave: Female staff is entitled to a maximum of 4 weeks (28 days) of maternity leave with postnatal leave. 4. Summer Winter vacation: This is given 4 weeks in summer and 2 weeks in winter. 5. Provident Fund: It is composed of

contributions made by the employee during the time he/she worked along with an equal contribution by the employer. 6 50% fee waiver to employees Childers studying in our group of institution and also Regular permission for higher learning, and research are in place which promotes a motivating factor in the college.

File Description	Documents
Paste link for additional information	https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiI6ImQ0aWpYSFVaSEIvNytTYVRlMVRpTUE9PSIsInZhbHVlIjoiSXN5bXNKUExuMHRIUlBiRXB6NWIzQlF5WFJMWGR3UllJa2htU2JwcUE2VVVnczJVSnRON0VDaU9INzFNMzZXTyIsIm1hYyI6IjUyNWE5ZTQ0MTBhMDYxNzBkNzNmNjM0ZWQ3NWM2ZDFkMmFhMTEwOWZmNmMwNTNiN2ZmOGU4NTMxZTY1MmY5NjIiLCJ0YWciOiIifQ==
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

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

58

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

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

8

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

74

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

A good and open Performance management system was established and followed by the management of T.J.S Engineering college since 2012 towards the improvement of organizational

performance and individuals for achievements organizational mission and vision. A well effective performance appraisal management system plays an important role in managing the organization in very effective manner by keeping this an important constrain. TJSEC has following the appraisal system suggested by AICTE. The system is divide in major three division i) Teaching, Learning and Evaluation related activities (ii) Co-Curricular, Extension and Professional Development related activities (iii) Research Publications and Academic Contributions, At the end of every academic year faculty and staff are asked to submitted the filled appraisal form to the concerned HOD's.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/6.3.5-INDEX-SHEET.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Internal audit:

TJSEC conducts internal financial auditing once a Year. The process of auditing starts with the budgetary preparation and there is well defined process for sanction of budget. The approved budget is communicated to administrative in-charges. The Chairman monitors and reviews the expenditures of the Institution by conducting budget meeting. The monitoring of expenditure against budget is regularly undertaken annually, where all department in-charges and administrative in-charges submit their annual expenditure statement to the Principal and it is forwarded to the Chairman.

The main purpose of this procedure is to control the expenses and increase the operating efficiency. Proper record for all budget expenses is maintained by each department in-charges, administrative in-charges, accounts department, and the Principal office. Further the accounts department maintains the record of all the expenditures after the verification of vouchers and bills.

External auditing

TJSEC complies with the statutory auditing norms. At the end of every financial year, the income and expenditure statement is duly audited and authorized by a Chartered Accountant. The Chartered Accountant prepares and submits the auditor's report for the financial year. After the Verification of all Financial reports, The ITR were filled.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/6.4.2-Index-.pdf
Upload any additional information	View File

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

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

0

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

TJS Engineering College is a self-financed institution, where the funds are generated through the fees paid by the students. The TJSEC has a well-defined mechanism to monitor the effective and efficient utilization of available financial resources to develop academic processes and infrastructure development. Optimal Utilization of funds and resources are ensured through induction and orientation Programs, workshops, inter-disciplinary activities, training programs, Refresher Courses, Faculty Development Programs, Conferences, Industry-Academia

interactions that ensure quality education. All the administrative and academic heads are requested to submit the budget required for the subsequent financial year.

A major source of revenue for the college is from the tuition fee collected from the students as per the state government guide lines .The collected fee is deposited in the Institution's account and withdrawn periodically as per the institute's requirements. Institute adheres to the Utilization of budget approved for academic expenses and administrative expenses by the management. The funds are also utilized for infrastructure development, salary, research, training activities, ICT tools, green campus initiative, extension activities, transport, maintenance, welfare measures, and library. The Utilization of the allocated funds is monitored periodically and audited at the end of every financial year

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/6.4.3-Index.pdf
Upload any additional information	View File

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

IQAC has contributed significantly for institutionalizing the quality assurance strategies and processesin the following area:

IQAC Academic Auditing Process

The TJSEC takes academic audit of each department through IQAC to improve the quality of education. Academic Audit Committee is formed by IQAC Head and The Principal at the beginning of academic session. IQAC collects Theory and Lab Time Table, Assignments, Industrial Visits, seminars and workshops plan. The Auditing Committee will evaluate the individual faculty academic, co-curricular activities, Students performance progresses twice in a year. The report will be submitted to the Principal through IQAC head for suggestion and approval.

Pre-final and Final year projects

The TJSEC, IQAC is concerned and suggesting students to plan their projects in pre-final and final year. For the Design and Fabrication Project (DFP) and Final year projects, students present two reviews and marks are awarded by guides. It is compulsory for pre-final students to undertake DFP project and final year students to undertake project.The third review is evaluated by External Examiners and the recommended projects will be registered in Smart India Idea Hackathon. This is an initiative taken by the IQAC and IIC for doing quality projects.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/06/6.5.1-1F.pdf
Upload any additional information	View File

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

IQAC review the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals in the following area:

Content beyond the syllabus and FACE online programming

Teaching and learning process is constantly reviewed by the Department Heads and reported to the Principal. Beyond the regular lectures by faculty members, students are given opportunities to attend industry expert's keynote speech. This lecture enables students to gain knowledge on industry requirements.

FACE's placement training is an online programme established by management to assist students in better placement. FACE is an initiative facilitated by IQAC with the support from Training and Placement (TAP) Cell. Better placement offers, content beyond the job training are the outcomes of FACE programme.

Video Classes and Naan Mudhalvan online courses

Apart from classroom lectures, videos are shown for certain topics outside of the syllabus to learn current technologies.

Students were encouraged to focus on their project work in better way. Lesson plan with video class hours is provided in the course file.

Students are encouraged to register Naan Mudhalvan online courses initiated by Anna University and Tamil Nadu Skill Development Centre. Students will get certificate and credit adjusted with University subjects list.

File Description	Documents
Paste link for additional information	http://tjsec.in/wp-content/uploads/2023/07/6.5.2-index.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	**C. Any 2 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	http://tjsec.in/wp-content/uploads/2023/07/6.5.3.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 year

The institute promotes gender sensitivity through various initiatives andactions for creating safe, secure and healthy atmosphere in the campus.Events relating to gender equity promotion are carried out throughout theyear in the campus

Safety & Security:

1. A resident lady warden in the ladies' hostel is employed along with a separate resident warden for boys' hostel.

2. CCTV cameras have been fixed in the prominent places like hostel, campus corridors, main campus building and common places.

3. Statutory committees like Anti-Sexual harassment committee, Grievance Redressal committee comprising of female faculty members is constituted as per the AICTE/University guidelines and is working effectively.

4. Anti-ragging committee takes in stake of ragging incidents, if any regularly

Counseling:

1. The college has a well-defined student counseling system. Each student is allotted with a particular faculty member who will be his/her counsel till the end of his/her course.

2. Each faculty has 15 to 20 students to mentoring. This improves the relationship between student and the mentor and helps the mentor to know the overall personality of each student.

3. Students meet their mentors for any grievances- regarding gender related issues if any, personal problems, general issues, lack of facilities, academics etc.

4. A Student welfare and counseling committee is constituted to monitor the student counseling process.

27-09-2024 10:04:33

File Description	Documents
Annual gender sensitization action plan	http://tjsec.in/wp-content/uploads/2023/07/7.1.1-INDEX.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://tjsec.in/wp-content/uploads/2023/07/7.1.1-INDEX.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**B. Any 3 of the above**

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid Waste Management:

The institution takes all the measures required to ensure that the campus is free of plastic items and other wastes that harm the environment. The solid waste generated in the campus are paper waste from day to day activities, and food waste from canteen. The waste is reduced at the source, further the paper waste is collected and sent to "ITC" a recycling vendor and the waste papers are replaced by normal A4 sheets.

Liquid Waste Management:

The sources of liquid waste, inside the campus are sullage from canteen, sewage inside the campus and waste water from R.O plant. Sullage is treated by natural oxidation disposed to nearby agricultural land.Waste water from R.O. plant is reused

for gardening.

E-Waste Management:

All Electronic waste like CPU's, Hard disks, Laboratory Equipment scrap is sent to JDAG – E waste management company located in Thiruvallur district. Once the computers get expired, they are collected from different locations of the campus by designated technicians. The irreparable are inspected by the authorities and it's open for disposal through contractors or vendors for reuse / recycling purpose

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	[View File](#)
Geo tagged photographs of the facilities	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	**B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	**A. Any 4 or All of the above**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	**A. Any 4 or all of the above**

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (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	**A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<u>View File</u>
Policy documents and information brochures on the support to be provided	<u>View File</u>
Details of the Software procured for providing the assistance	<u>View File</u>
Any other relevant information	<u>View File</u>

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 200 words).

TAMIL MANDRAM

The main objective of the Tamil Mandram isto promote students' knowledge in Tamil Language and to disseminate our ancient Tamil Culture among the youth.

ENGLISH LITERARY CLUB

The English literary club helps the Students to learn beyond the classrooms. ELC offers a dynamic platform to engage the students in literary forums like debating, elocution, essay writing, poster making and poetry writing.

STUDENT INDUCTION PROGRAMME

Student Induction Programme is conducted for the first year students to make them feel comfortable in the new environment. It is a well planned to teach the freshers to know the particulars of our institution.

BLOOD DONATION CAMP

The NSS Unit of Our College regularly organizes blood donation camps every year. The students and the faculty members come forward voluntarily to donate blood. The donors and volunteers are also issued certificates.

VOTERS DAY CELEBRATION

Our college organized National Voters Day Celebration on at college premises. The objective of the program was to inculcate constitutional obligations among students, to create awareness about Universal Franchise, to sensitize the students about importance of voting. The Students and staff understood the importance of right to vote and Students and staff took constitution day oath

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)
Any other relevant information	[View File](#)

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Every year we are conducting Anti ragging, Anti –drug programme through various committees already formed and on 25.1.22 voter's day was celebrated to create the awareness among young voters. Blood donation camp was organized every year but this year due to pandemic situation we have postponed it to the upcoming year. To inculcate the values for being responsible citizens programme to address gender issues, green revolution,ecosystems, energyaudit, beyond the campus environmental promotional activities were conducted.the students of computer science, electronics and communication engineering and mechanical engineering students were offered a course named professional ethics which will help them to acquire a wide range of knowledge about human values, universal values and work ethics. Considering the pandemic situation we have provide our institution as a covid care centre to the state government's health department. This most of the activities were conducted through online mode

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://tjsec.in/wp-content/uploads/2023/07/7.1.9-INDEX.pdf
Any other relevant information	http://tjsec.in/wp-content/uploads/2023/07/7.1.9-INDEX.pdf

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

File Description	Documents
Code of ethics policy document	View File
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 File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The celebration of National/International commemorative days, events and festivals is great heritage in the Institute.

The institute has a tradition of celebrating the Republic Day and Independence Day with full vigour and enthusiasm. The celebration includes parade of NCC members of the student group, unfurling of the tri-colour national flag, singing of national anthem and address by the Chairman (TJS Group of institution) for the special days.

Students organize the teachers' day on 5th September every year in the College campus to felicitate the teachers and also to show their gratitude towards a great teacher and a legend Dr. S. P. Radhakrishnan. Every year Institute organizes a Pongal and Christmas day celebration. Every year Institute organizes Engineer's Day on 15th September, to commemorate the birth anniversary of Bharat Rathna Sri. Mokshagundam Visvesvaraya.

Constitution day is celebrated on 26th November every year by reading out the Preamble as stated in Constitution of India. The institute takes all efforts to commemorate the Birth anniversary of Dr.A.P.J.Abdul kalam.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

Best Practice -I

1.Title of the Practice:Daily Practice Test

2.Objectives of the Practice

To Encourage students to complete the assignments on regular basis.

To improve the understating of the subjects.

3.The Context:

DPT helps the students to master on important topics it encourges them to focus on future learning particulary on weakareas.

4.Practice:

Daily first one hour test.

A special focus is given on them and they are made to stay after the college hours to write the test

5.Evidence of success:

Improves knowledge retention.

6.Problems Encountered and Resources required:

The slow learners are identified by the respective subject teachers

Remedial classes are conducted in order to help them score letter marks.

Best Practice-II

1. Title of the Practice:-Students Associations of Department and College.

2.Objectives of the Practice

To develop about different types of entrance exams and interview.

3.The Context:

It is platform for students to participate actively in the activities conducted by students

associations.

4.The Practice:

After formation of association the activities are planned for a semester.

5.Evidence of success:

Students are actively participating in different activities, it makes a positive improvement in students like personality development, communication skills, management skills, programming skills etc.

6.Problems Encountered and Resources required:

To motivate students for participation is challenge

File Description	Documents
Best practices in the Institutional website	http://tjsec.in/wp-content/uploads/2023/07/7.2.1-INDEX.pdf
Any other relevant information	http://tjsec.in/wp-content/uploads/2023/07/7.2.1-INDEX.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Silent features of institute:

Entrepreneurship Development Cell

VISION Our vision is to help students who have an idea, product and burning desire to give HR, management, convincing skills, market exposure and investors for their startup. This cell will help students to understand the business world by actually working in a start-up.

MISSION

Our mission is to help the aspiring entrepreneurs start and grow their businesses by creating a pathway of various opportunities like interactive sessions with professionals, business competitions to increase the awareness. This will help foster entrepreneurial thinking, promote business knowledge and instill confidence in every student.

OBJECTIVES

- **Inculcate the passion and spirit among students to pursue entrepreneurship.**
- **To spread the knowledge about entrepreneurship through guest lectures etc.**
- **Motivate students to develop their own start-ups.**
- **Identifying the brightest ideas and giving them one platform and convert them.**

ACHIVEMENTS

- **NIESBUD Empanelled Institution for the PRADHAN MANTRI**

- YUVA YOJANA (PM YUVA) Scheme
- EDII TN authorized Spoke College under Anna University for the IEDP PROGRAMME
- IIC was established in 2021 and received 3 stars for various activities.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

As part of continuous improvement, we have planned to make the Academic Calendar activity-oriented. Guest lectures, industrial interaction and industrial visits will be scheduled, so as to bridge the gap between classroom teaching and industrial requirements. More activities of Social Outreach would be organized like blood donations, plantation drives, and environment awareness events through NCC, NSS, YRC and Red Cross etc.

IIC & CII:

An initiative of MHRD/MOE – Central government of India is the INSTITUTIONS INNOVATION COUNCIL (IIC) – a part of the MIC – Ministry of education's innovation cell. This IIC is a council established in all HEI's for the empowerment of students in innovation, entrepreneurship, internship, social media IPR activities.

The Confederation of Indian Industry (CII) has been conducting the impact survey and survey of industry linkages of technical institute in partnership with AICTE. The objectives of the survey are to showcase best practice of industry partnership across AICTE approved technical institutes' in the streams of engineering.

ENTREPRENEURSHIP DEVELOPMENT CELL:

A well established centre for entrepreneurship in the institution is expected to create many start ups and innovative entrepreneurs in collaboration with IIC and CII. The amount of activities and its caliber shall be increased exponentially in the upcoming year.

27-09-2024 10:04:33