YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	Toc H Institute of Science & Technology
• Name of the Head of the institution	Dr.Preethi Thekkath
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04842748388
• Mobile no	9946509900
• Registered e-mail	mail@tistcochin.edu.in
• Alternate e-mail	naac.tist2017@gmail.com
• Address	Arakkunnam, Ernakulam
• City/Town	Ernakulam
• State/UT	Kerala
• Pin Code	682313
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	**Self-financing**
• Name of the Affiliating University	**APJ Abdul Kalam Technological University (KTU)**
• Name of the IQAC Coordinator	**Dr.Georgina Benoy Joseph**
• Phone No.	**04842748388**
• Alternate phone No.	**04842738126**
• Mobile	**9566110163**
• IQAC e-mail address	**iqac@tistcochin.edu.in**
• Alternate Email address	**naac.tist2017@gmail.com**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://tistcochin.edu.in/wp-content/uploads/2022/03/AQAR-2019-20.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://tistcochin.edu.in/wp-content/uploads/2021/04/KTU_Academic_Calender_March21-Nov21.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.71**	**2012**	**21/04/2012**	**20/04/2017**
Cycle 2	**B+**	**2.62**	**2019**	**04/03/2019**	**03/03/2024**

6.Date of Establishment of IQAC	**21/06/2010**

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
Dr. Georgina Binoy Joseph	MODROB	AICTE	2021	2.11776
Dr. Rajesh Kocheril	MODROB	AICTE	2020	5.68
Dr. Deepa Elizabeth George	STTP	AICTE	2020	1.88333
Ms.Sreelekshmi.S	CERD	KTU	2020	0.7
Sivi Varghese	CERD	KTU	2021	0.25
Ritwik A	CERD	KTU	2020	0.37

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	2	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• 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)

Webinar on NEP. Establishment of TIST Innovation and Incubation

Cell(IIC). International Collaboration. ATAL Ranking. IIC & IEDC conducted 10 webinars with major thrust on Innovation, Creativity, Critical thinking, Team building, Entrepreneurship, Funding schemes, Product crystallization and Marketing.

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
MOU with foreign university	Odessa State Academy of Civil Engineering and Architecture with Civil Engineering Department, TIST signed in December 2020
ATAL Ranking	Recognised as Band Performer
Online Seminars/Conferences/Workshops	35
R & D Intiatives	Project Sanctioned : KSCSTE 15 Nos,
TIST Incubation and Innovation Cell	Institute Innovation Council (IIC) formed. IIC & IEDC conducted 10 webinars with major thrust on Innovation, Creativity, Critical thinking, Team building, Entrepreneurship, Funding schemes, Product crystallization and Marketing.
Online Teaching Facilities -Online teaching platform shifted to Microsoft Teams	Better performance
TIST Covid War Room	Daily reports submitted to Panchayt and health departments and Implementing directions

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

- Name of the statutory body

Name	Date of meeting(s)
IQAC	10/03/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	30/03/2022

15.Multidisciplinary / interdisciplinary

16.Academic bank of credits (ABC):

17.Skill development:

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

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

20.Distance education/online education:

Extended Profile

1.Programme

1.1   **614**

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

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

2.Student

2.1   **1492**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2   **1242**

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

File Description	Documents
Data Template	View File

2.3   **404**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1   **125**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2   **111**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**614**

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

2.Student

2.1 Number of students during the year	**1492**

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	**1242**

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

2.3 Number of outgoing/ final year students during the year	**404**

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

3.Academic

3.1 Number of full time teachers during the year	**125**

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

3.2 Number of sanctioned posts during the year	111

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	69
4.2 Total expenditure excluding salary during the year (INR in lakhs)	370.45
4.3 Total number of computers on campus for academic purposes	563

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

The institution follows the academic calendar published by the University. Before the commencement of each semester faculty membersprepare the detailed course plan, get it approved by theHOD and uploads in ERP and complete the syllabus as per the course plan. The institution follows a pedagogical model based on Revised Bloom's Taxonomy. Course materials including notes, PPTs, previous question papers, question banks and reference bookare uploaded in ERP. Class/course committees with students, parents, faculty membersand HODare conducted twice a semester. Students' progress is assessed through class tests and reported to parents. Student feedback is also taken twice in semester. Course plans for lab courses are also prepared. At the commencement of the practical course lab manuals covering all experiments and additional experiments are prepared and issued to students. In this pandemic situation most of the classes were conducted in online mode via Microsoft Teams. Tutorial sessions arearranged to help students to cleardoubts. A mentor is assigned to each student to monitorhim.

After each internal assessment, weak students are identified and remedial sessions are given to them.Peer groups are also created with a group leader and extra problems are given to each group

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://docs.google.com/spreadsheets/d/1Rq O8KShESyCN08IEy0x6QQNXHo7trRc9/edit?usp=sh aring&ouid=108455586699203424530&rtpof=tru e&sd=true

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

The institution strictly adheres to the academic calendar published by the University. A separate academic calendar is prepared by the institution for the coverage of the syllabus, continuous internal evaluation and extracurricular activities and is circulated to all departments. For the purpose of conducting Continuous Internal assessment, faculty prepare their schedule of teaching, class tests and assignments in accordance with their allotted time table keeping the academic calendar and planned co-curricular activities of the department in mind. The students are informed well in advance about the deadline for assignment submissions, dates for internal test and class tests, as well as their final internal assessment marks. Criteria for assessment are also shared with the students in the class committee meetings. Progress of students is monitored through regular assignments and tests. Remedial sessions are also conducted for the students whose performance is not satisfactory in the internal exams. Internal marks and attendance are published at the end of the semester as per the academic calendar. Multiple assessments are taken, with the aim of allowing the students to incorporate suggestions offered by the teacher which helps to improve before university examination

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://drive.google.com/drive/folders/1cZ k25l366laZ-4NtGzHEIE_VNFUPvV8T?usp=sharing

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

13

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)

14

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

71

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 integrates various courses that are relevant to Professional Ethics, Human Values, Environment and Sustainability. At the start of every new batch, induction program on Universal Human Values (UHV) is provided to students as per AICTE requirements. The faculties are also encouraged to take up this course as faculty development program (FDP). University offers courses such as Professional Ethics, Constitution of India, Life Skills, Responsible Engineering, Principles of Management and Sustainable Engineering in different academic years. These courses give ideas about the constitution of the country, their own human rights and importance of the environment. It also gives the knowledge and strength to face society and people. These courses also enable students to create awareness on ethics and human values. These courses create awareness on engineering ethics. Also instill moral and social values, loyalty and to learn to appreciate the rights of others. Students can also learn leadership qualities and can practice them. Institution organizes various gender equity programs including awareness and sessions.

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

71

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

675

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	A. All of the above

from the following stakeholders Students Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	**Nil**
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	**No File Uploaded**
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	https://tistcochin.edu.in/wp-content/uploads/2021/08/Student-Satisfaction-Survey-2019-20.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

436

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

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36
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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

Based on Internal Assessment (IA) results, previous university results, class is divided into various groups with high and low learning capability students. Selected students of core group help the slow learners to study well. After each IA test, PTI meeting is conducted to discuss the status of academics and discipline of each student. During pandemic situation, parents are asked to ensure their ward's attendance for online classes. Special cases of behavioral problems of students, highlighted by the parents, shall be discussed and a joint decision will be adopted to address such issues. Constructive feedbacks from the parents are welcomed for betterment of the department. Remedial classes are offered by respective faculty for each course, in every semester, for slow learners in the class. Their progress is assessed based on their performance in the subsequent academic assessment tests. Class is divided equally among class-in-charges and Mentoring is practiced to monitor and motivate the students throughout the semester. External help from qualified counselors shall be called for, if required, for special cases, with the consent of parents. Advanced learners are encouraged to participate in national & international competitions/seminars and conferences. They are motivated to do value added courses and online certification programmes

File Description	Documents
Paste link for additional information	https://drive.google.com/file/d/13K6DHi5Dl ijXZSRKAnwAlFRJ0vz3jtA2/view?usp=sharing
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
1492	**125**

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

Students can access E-journals, resources such as PPT, Videos and lecture notes from Google drive, NPTEL Videos, Project and Seminar reports, library and LMS. Students are allowed to interact with Industry by conducting site visit, attending webinars etc. Lab experiments are conducted beyond curriculum to learn and apply skills based on one's on learning capabilities. Students actively participated in consultancy projects of Government such as Rebuild Kerala initiative, Sampoorna Jala Surasha Mission etc.which provides a good platform to interact with the society. In order to bridge the gap between industry and academics, institution has L&T lab, Daikin lab, SPAN (Skill Planning and Acquisition) cell that will identify and plan skill development programs according to current industrial requirements. Students are encouraged to attend NPTEL courses conducted by IITs. Major and minor projects provide scope for evolution of problem-solving methodologies. Tutorial classes conducted by faculty helps to improve the problem-solving capability. Webinars,Online-Workshops, are conducted on topics related to the course which are not included in the curriculum. Technical and Non Technical Competitions were conducted by the Professional Associations like IETE, IEEE, etc. MOUs with various industries and foreign universities provides a better hands-on training to students.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://tistcochin.edu.in/ec/span/

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

The faculty members are using ICT enabled learning tools such as PPT, Video clippings, Audio system, online sources, lecture notes from Google Drive, NPTEL Videos, YouTube videos, Course hand out etc..to expose the students for advanced knowledge and practical learning. Online learning platforms such as Microsoft teams and google meet are used for online classes. ERP platform (Linways) is used to manage and post course related information- learning material, quizzes, lab submissions & evaluations, assignments, etc. Lab manuals are mailed to students well in advance the experiment is performed. Virtual labs are used to conduct labs through simulations. Online compilers are used to conduct lab sessions in online mode. The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process.

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

125

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

125

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

24

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

1144

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.

The system of internal assessment is presented to students well in advance to maintain transparency in internal assessment. The HODs convene faculty meetings and direct them to guarantee that the evaluation process is carried out effectively. Students are continually evaluated at the college and university levels through various evaluation systems. Internal assessment tests , class tests, assignment submissions, seminars and project presentations are all used to evaluate students on a regular basis. The students' grades are entered into an ERP (Online Academic Management System) and notified to the students and their parents. For the lab works, faculty evaluates the student's experiments based on the lab rubric created by the faculty and uploads the marks in LMS. For the seminar and project, marks are awarded to the students by the panel members based on the rubrics. After their assessment, poor performers are offered personal assistance, and one-on-one mentorship sessions are also scheduled for them and PTI meetings are conducted after each internal assessment test.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://drive.google.com/file/d/1IWPjrPbw0QZLbhBQq6cFm577vz7QNdxA/view?usp=sharing

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

In terms of dealing with internal examination-related issues, TIST employs a transparent, time-bound, and efficient approach. Throughout the semester, various internal examinations are conducted. The college maintains an ERP system in order to maintain transparent, time- bound and efficient conduct of internal examination. During covid pandemic, faculty prepare question papers and published in LMS within the timeframe. Students are asked to upload the answer sheets in PDF format in LMS. In case of any issues, students can contact the respective course faculty for solving any related issues. To preserve openness and uniformity in the assessment tests, the evaluations are done using the marking Scheme. Within a week of the test, the faculty evaluates the papers and publishes the mark in LMS. If a student requests, faculty will immediately address individual issues on the paper and any grievance that exist further will be handled by the TIST Grievance cell. Thus, TIST demonstrates a high

level of transparency in the mechanism for dealing with internal assessment issues.

File Description	Documents
Any additional information	View File
Link for additional information	https://drive.google.com/file/d/1RssoL8GbND7m3-je2Ml0oIKxbfIEy9EJ/view?usp=sharing

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.

The consolidated Course Outcomes (COs) of the respective course of the semester is displayed in all the classes before the commencement of semester. The same is available in all course diaries along with the mapping of the same with Programme Outcomes (PO)and Programme Specific Outcomes (PSO). This entire document is made available in the form of course handout along with many other details viz. course plan, question bank, assignment questions, evaluation scheme for all courses of UG programmes in the department and is shared to the students via LMS and google drive . Programme outcomes (POs) and Programme Specific Outcomes (PSOs) are displayed in each department and displayed in TIST website too.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://docs.google.com/spreadsheets/d/1O7td4TmXYNYPcwiXuEm4RE4tPxJb4CZx/edit?usp=sharing&ouid=108455586699203424530&rtpof=true&sd=true
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.

Programme outcome (PO) attainment process has been done by taking, direct and indirect assessment tools. Total PO and programme specific outcome (PSO) attainment value is the sum of direct

attainment and indirect attainment values. 80% of direct attainment and 20% of indirect attainment is considered for calculation of PO attainment. Direct attainment of PO and PSO are based on the logical mapping of cognitive levels of course outcomes(CO) with POs and PSOs and is done by mapping the attained values of course outcomes with the PO and PSO. Assessment of COs of various courses, seminar and projects & their Contribution to PO Attainment is given a weightage of 80% (direct attainment) and students feedback such as alumini feedback, program exit survey and event feedbacks is given a weightage of 20% (indirect attainment). Events considered include technical talks, industrial visits, technical forums, workshops, seminars, site visits etc. After completing the event relating to each tool used for indirect attainment, student feedback is taken and analyzed to check the effectiveness of the same. In the second student survey, exit feedback is taken in which an exhaustive questionnaire is prepared to relate all POs and PSOs. Alumni feedback is collected by contacting the alumni via. email & phone. This is used to identify any gap pertaining to quality, latest technology or any other related topics that have to be included in each course. Finally, overall POs and PSOs attainment values are computed by adding direct and indirect PO and PSO attainment values in the proportion of 80:20 respectively. In each course, five course outcomes are framed based on RBT levels and course levels. Logical mapping of cognitive levels of course outcomes with programme outcomes and programme specific outcomes are done.The average correlation level is calculated for all POs and PSOs for each course based on the 5 CO's, and rounded off to nearest whole number 1, 2 or 3. Indirect programme outcome and programme specific outcome attainment values are estimated from each tool used for filling the gap identified in academics.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://docs.google.com/spreadsheets/d/107td4TmXYNYPcwiXuEm4RE4tPxJb4CZx/edit?usp=sharing&ouid=108455586699203424530&rtpof=true&sd=true

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

282

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	https://drive.google.com/file/d/1RO9l42Ipq tE3eGlX5RS3xfHD4Ue7MLdh/view?usp=sharing

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)

https://tistcochin.edu.in/campus-life/exit-feedback-survey/#Toch-CampusLife-SSS

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)

9.28

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

10

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

3

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	https://kscste.kerala.gov.in/student-project/

3.2 - Innovation Ecosystem

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

- **Institution has an IEDC cell, IIC, Professional Societies and department associations to identify students with innovative ideas and create a platform and enhance student entrepreneurial skills. This aims to streamline and strengthen the innovation and start-up ecosystem in the campus, which also promotes social outreach programs, intercollegiate technical programs, virtues of free software and increases awareness regarding how each one can contribute to the open-source arena. In 2020, a 40 Hours Hackathon was conducted for Women, with the support of eminent mentors. The institution also received various funding from ICFOSS, MODROB, KTU, KSCSTE, and holds MoUs with various reputed organizations.UBA projects that support the local self-governments nearby the institute are also taken up, students are given exposure to develop real-life projects that contribute to society. Some projects include**

the 'Nattupedika' mobile app to aid online shopping during the Covid lockdown, 'Jalasamrudhi' project to survey and map water resources in Mulanthuruthy panchayath.Hand Sanitizer with a temperature sensor at low cost. As a part of Sampoorna Jalaparishodhana institution provides technical assistance to Kerala Government's prestigious project "Complete Water Safety Mission" at Amballoor Panchayath. This project gives exposure for students to water testing and checking the suitability of water for drinking purposes.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://tistcochin.edu.in/ce/ce-social-outreach-programme/,https://tistcochin.edu.in/cs/social-outreach-program-cse/https://tistcochin.edu.in/cs/dept-achievements/

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

35

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

11

File Description	Documents
URL to the research page on HEI website	,https://tistcochin.edu.in/academics/supervisors/https://ktu.edu.in/eu/core/registeredResearchSupervisors.htm
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

50

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

28

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

The college organizes a number of extension activities to promote

the 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. The college runs effectively National Service Scheme, Encon club and Young Indians. Through these units, the college undertakes various extension activities in the neighborhood community. NSS in association with Junior chamber international organizes Easter feast in nearby orphanage, anti-drug awareness class in campus Blood donation camp, Yoga training program, and mental health awareness class during this academic year. As part of the Post, COVID Yi bought a fumigating machine and other requirements like sanitizers, gloves, and mask worth Rs.20000 to GOVT CHC. They also helped a kid by donating smartphones, notebooks, and other stationaries worth Rs.12000. TIST is selected as one of the agencies for the second-tier quality management system for the Rebuild Kerala Initiative of Govt. of Kerala for the rehabilitation of roads under the Local Self Government Department.All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self-confidence of students.

File Description	Documents
Paste link for additional information	https://tistcochin.edu.in/campus-life/professional-associations/yi-young-indians/
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

8

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

14

File Description	Documents
Reports of the event organized	View File
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

1092

File Description	Documents
Report of the event	View File
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

11

File Description	Documents
e-copies of related Document	View File
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

23

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.

Response:

The campus has three huge blocks and five workshop spread over 26.08 acres of land.

Infrastructure: The Aryabhata Block accommodates Administrative office, Examination cell, Seminar hall, Training and Placement cell and the departments of ECE, MBA, Prayer Room, Yoga Room, etc..

The Einstein Block houses departments of EEE, CSE, S & H, IT, common Computer Centre, Central library, Physics & Chemisrty Lab,

R&D Laboratoryand Mathematics Department

Visvesvaraya Block accommodates departments of ME, CE & SF

Class Rooms are Well-furnished, ventilated, spacious rooms for conducting theory classes with proper Lighting.

ICT facilities: In the departments are provided with sufficient number of LCD projectors, Wi-Fi and LAN enabled internet connectivity. A server with HDD is being maintained exclusively for NPTEL video streaming within the campus.

Common Computer Facility/Language Lab: measuring 305 sq.m with 60 computers and LAN and internet facility is available.

Seminar Hall: The College has, well equipped seminar halls for organizing workshops and seminars.

Laboratories: are well equipped, and well maintained

Specialized facilities and equipment for teaching learning and research: The College has an English communication skills lab, central library and department library. For self-learning, reference books for all the subjects are available in the central library.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://docs.google.com/document/d/1SFdYOgO52CoySIv5sADoKthUAAfcuR6M/edit?usp=sharing&ouid=104639827219328730228&rtpof=true&sd=true

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

INDOOR SPORTS FACILITIES

Indoor stadium has the facility to conduct Basketball, Badminton and Table Tennis

OUTDOOR SPORTS FACILITIES

Outdoor Sports like Cricket, Soccer, Volleyball, Basketball, and Track & Field events can be conducted in the Main Ground.

An average of 300 students avail the facilities on all working days. Events like, Inter Collegiate and Inter Department tournaments are conducted in these facilities.

Facilities for Cultural Activities

There are three main facilities to conduct cultural events:

Dr. Radhakrishnan Hall (720 m2) (Aryabhatta Block)

Amartya Sen Hall (202 m2) (Aryabhatta Block)

Indira Gandhi Indoor Auditorium (1000 m2,Visvesvaraya Block)

All Events like, Inter Department Cultural Competitions (MUDRA-ArtsDay), Inter Collegiate Competitions (ADVAY - College Fest), are conducted here. Facility for Music & Dance Practice, Annual Day Celebration, Onam & Christmas Celebration are also organized in these facilities.

Gymnasium

Students as part of their sports training, use the Multi gym facility

Yoga Center

Trainers are invited and sessions are rendered to the students on the good factors of Yoga and how yoga will help them in their professional life.

Mediation / Prayer Center

Staff and students are given the facility to pray and meditate in the Prayer hall at Aryabhatta Block.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://docs.google.com/document/d/1onZPsG 3mYFaAkaaiaZvNYrxR4cOsUPWK/edit?usp=share_ link&ouid=108455586699203424530&rtpof=true &sd=true

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

37

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://docs.google.com/spreadsheets/d/1XQ Cu-ROpXzpspznl30n09mQe_VJ0E7YH/edit?usp=sh are_link&ouid=108455586699203424530&rtpof= true&sd=true
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)

93.76

File Description	Documents
Upload any additional information	**No File Uploaded**
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)
Response: **The Institute has a well-equipped centrally located Library in the Campus. The Libraryis an automated with modern software Library management System (LMS), OPAC and WEBOPAC systems.** **OPAC: Online Public Access Catalog for searching the library resources. User can search the library resources as below: 1.General Search: Title, Author, Publisher,accession Number, Call number, year of publication, subject etc. 2. Advance Search: 3. Accession Search: Search can also be done through the accession numbers without remembering the title or author of the book.** **Reports: This is an important component of the Library Management System (LMS) which helps to generate various reports.** **The Digital Library(DL) is equipped with a repository of learning materials of NPTEL. The association with DELNET enables access to various journals from 5002 libraries in South Asia.** **The Library procures and ensures effective use of the latest hard/soft copies of books, journals, documents, reports and other learning resources regularly.Besides the Main Library, there are separate ten department libraries.** **The Institute formed NDLI Club under National Digital Library of India named as TIST NDLI Club. Department of Library &Information Science, Banaras Hindu University, Varanasi, U.P gave a detailed presentation on NDLI and NDLI Club .**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	https://docs.google.com/document/d/1fej-nUZXiE42WieDeOAzK7EnnZoYfCYG/edit?usp=share_link&ouid=108455586699203424530&rtpof=true&sd=true

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)

1209993

File Description	Documents
Any additional information	No File Uploaded
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

62

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

Response:

TIST is Wi-Fi enabled to enjoy internet with speed of 300 Mbps irrespective of where you are in the campus. All computers are connected over LAN and internet using Optical fibers and Twisted pair cables and are protected using latest antivirus software Seqrite Endpoint Security.

The institute keeps upgrading the hardware and software packages, installed Wi-Fi devices, internet bandwidth and firewall software based on requirements. Wireless connectivity is supported with 24 Access points all over the campus. Connection to Wi-Fi networks is authenticated by MAC addresses. Firewall protection is also enabled.

Classrooms and laboratories are equipped with ICT enabled facilities like Projectors and LCD TVs. Webinar sessions are conducted occasionally in association with various organizations like Infosys, ICTAK, IIT etc

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

4.3.2 - Number of Computers

534

File Description	Documents
Upload any additional information	**No File Uploaded**
List of Computers	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution	A. ? 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)
419.85

File Description	Documents
Upload any additional information	**No File Uploaded**
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.

Response:

Lab Maintenance

At the end of each semester, list of equipments for servicing is collected and a communication is sent to the respective companies.

Library:

Book Purchase procedure: List of books required by each department during the beginning of each semester and submits to library. Duly signed comparative statement by Principal and Librarian is sent to the management for approval.

Maintenance of books: The damaged books are maintained by binding at the end of each semester.

Stock Verification: Annual stock verification is done by an external auditor and report is presented before the Library Advisory Committee;

Sports Complex

The department of Physical Education provides facilities for

maintaining physical fitness and well-being of students. Regular maintenance is done to the non perishable infrastructures

Computer Maintenance

Most vendors offer warranties and provide warranty assistance to their devices. There is no outsourcing of AMC in our college. The maintenance of computers and related components without warranty assistance is done in-house.

Classrooms

Due care is given for,

Proper upkeep and maintenance of the building, Maintenance of the lawns and surroundings, Carrying out minor repairs of furniture, electrical and sanitary fittings. Maintenance of the roads , water tanks and other services.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

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

118

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	**No File Uploaded**
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

175

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	https://tistcochin.edu.in/placement/training-placement/
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

270

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

270

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	A. All 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

269

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

23

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
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

5

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
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.

0

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
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)

Student Council: to develop their attitude, leadership qualities, social skills, cultural talents and focuses on the overall development and liaison between the students and the management.

Academic Bodies: include, IETE,IEEE ,CSI,IE(I), AeSI, IIE, IIW, IIPE, ICI, IGBC, ISTE, IEEE RAS, IEEE PES,Class Committee, Course Committee,Institutions Innovation Council (IIC), IEDC

Department Associations and Administrative Bodies including

IQAC, Library Committee, Alumni Cell, Transport Committee,

Public Service like

National Service Scheme(NSS), Young Indians (Yi)

File Description	Documents
Paste link for additional information	https://tistcochin.edu.in/
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

22

File Description	Documents
Report of the event	[View File](#)
Upload any additional information	**No File Uploaded**
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

The alumni association of TIST was started in the year 2008, with the sole aim of setting up an excellent network amongst our students and our College. All the former students, faculty and final year students constitute the alumni association. This strengthens our efforts in placement, project works and Industry Institution Interaction.and quality education with Entrepreneurship. It creates an environment to guide the students with their forward looking ideas under a nominated faculty.

Alumni association facilitates the continual bonding of our alumni bringing a wealth of talented and professionals sharing their expertise and experience,through brainstorming on the prospective avenues. Periodical meetings, project consultancy, placement activities and guest lecturers/ seminars make the alumni take a

part developmental activities in respective departments. Association strengthens the cooperation and coordination with industries,providing internship opportunities. It creates opportunities for training and special projects apart from guest lectures, industrial visits and seminars. Academic Advisory Committee take up modifications suggested by alumni enhancing juniors for better placement opportunities. and helps helps to maintaina continuing and life long relationship among the students, faculty and institution.

File Description	Documents
Paste link for additional information	https://tistcochin.edu.in/campus-life/alumni/
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 of the Institution:

- To become a globally recognized institution that develops professionals with integrity who excel in their chosen domain making a positive impact in industry, research, business and society.

Mission of the Institution:

- To provide the ambience necessary to achieve professional and technological excellence at the global level.
- To undertake collaborative research that fosters new ideas for sustainable development.

- To instill in our graduates ethical values and empathy for the needs of society.

Nature of governance: This institution is recognized by AICTE, approved by Directorate of Technical Education (DTE), Government of Kerala and affiliated to APJ Abdul Kalam Technological University, (KTU). The college is managed by Toc H Public School Society, Kochi, renowned for quality educational institutions in Kerala. A 9-member core management team, consisting of the Board of Directors (who are annually elected from the members of the Society) looks after the management of the College.

File Description	Documents
Paste link for additional information	https://tistcochin.edu.in/about-us/vision-mission/
Upload any additional information	View File

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

The institution practices decentralization and participative management. The Governing Body meets once a year to discuss the performance levels of the institutio. Several bodies with well-defined roles have been constituted to ensure proper functioning of the institution. Principal chairs the meetings of staff council (HoD meetings) and meetings of other committees which are convened regularly. The activities are planned in the HoD meetings. IQAC, PTA, Students Council, Anti Ragging Cell, Students Welfare Committee, Discipline Committee, Grievance Redressal and Appeals Committee, NSS, Exam Cell, Transport Committee,IEDC, IIC. ASAP etc. are some of the active cells

The Budget proposal for the academic year is prepared by the individual departments. The budgets of all the departments will be consolidated by the Accounts Manager and will be presented to the Principal, and further presented before the Management for approval and sanction. All orders exceeding a sum of Rs.25,000/- must be processed after inviting minimum three quotations from different suppliers, manufacturers and a comparative statement to be prepared and sent to the Founder Director and Manager for approval with recommendation of the Principal. For items less than Rs.5,000/- purchases may be made locally with the prior approval

of the Principal. .

File Description	Documents
Paste link for additional information	https://tistcochin.edu.in/committees_and_c ells/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The IQAC suggested collaboration with foreign universities and institutions

The Department of Management Studies entered into an MoU with the University of Kelaniya, Sri Lanka and Veleuciliste U Pozegi, Croatia (as part of ERASMUS exchange Programme) with the aforesaid objectives.

The Department of Civil Engineering entered into an MoU with Odessa State Academy of Civil and Architecture, Odessa, Ukraine with the aforesaid objectivest Organized an International Conference on Innovative Trends in Engineering& Sustainability (ICITES) during 9th to 11th January 2021 in online mode.

Industry interaction and collaboration :Github has provisioned a license for the department of Computer Science and Engineering, TIST in the year 2021 through the GitHub Campus Program which is a package of premium GitHub access features. Another important milestone is its association with UREKA in the year 2021 which comprises UREKA Education Ltd, London and their associate companies in UAE, France and India. The Department of Computer Science and Engineering has signed an MoU with ICTAK in association with the Federal Academy for Cyber Education (FACE) through CDAC in the year 2021.The Department of Mechanical Engineering signed an MoU with Eleation on 19 July 2021. Eleation will provide training in the CAE domain.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://tistcochin.edu.in/about-us/tist-highlights/#TocH-Highlights-MoU
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 Institution is funded and supported by Toc H Public School Society. The Society presently consists of 14 Board of Directors looks after the activities of the institution.

The Governing Body consisting of representatives from Management, Industry, University/AICTE, Principal and Dean meets once a year to discuss the current performance levels of the institution.

Principal, who along with along with Dean (Academics) and Vice Principal are engaged in the overall development and day today governance. Principal chairs the meetings of staff council and other committees which are convened regularly. The activities planned in the HoD meetings, are executed through various academic and administrative bodies such as IQAC, PTA, Students Council etc. Adequate representation of Faculty, students and parents are

involved in all these committees.

Well defined Service rules and policies regarding Recruitment, Promotion, Performance Appraisal, Termination of Service/Resignation, Retirement, Conduct and Discipline and Leave are clearly disseminated to stake holders. Promotions are based on qualification, experience, performance and other qualities like contributions to teaching, research and service. Ability to adopt and implement pedagogy models are important considerations. In accordance with AICTE norms, performance, qualification and experience are the main criteria that contribute to the performance used to evaluate academic personnel.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/u/0/folders/1JNNzkbBTNlCHWqCfREYykLrGdKcYdmdX
Link to Organogram of the institution webpage	https://drive.google.com/drive/u/0/folders/1JNNzkbBTNlCHWqCfREYykLrGdKcYdmdX
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	A. All 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 college has a welfare mechanism in place, for all teaching and non-teaching staff. The various welfare schemes are: ? Employee's cooperative society floats loans to teachers and staff Festival Allowance is provided to all faculty and staff ? Accommodation is available for faculty & guest faculty. ? Tours and family get-togethers are organized for staff and employees Awards and recognitions are given away in functions to the winners ? LIC Pension Plan/EPF available for all confirmed teaching staff. ? Employees Provident Fund/ESI/Medi-Claim for all confirmed non-teaching staff. ? On campus free medical facilities ? Cafeterias ? Sabbatical leave is given for faculty members for higher studies & research. ? Computers/ laptops with free internet/wifi facilities ? Provision for purified drinking water EPABX facility for communication Reprography facility with stationary ?

Transportation facility ? 24 hour power back-up Management takes a proactive policy towards the professional development of staff like: ? Conducting International & National Seminars ? Opportunities for international exposure ? Provides duty leave, TA/DA for participating in seminar/workshops & conferences. The faculty members are having dedicated cabins in each department

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/u/0/folders/1lSj6HI4nmQaQiGyeoKuuWCKRC2IQMwEz
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

5

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

21

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
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

101

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

The Institute follows a well-defined faculty performance appraisal system. The performance evaluation of faculty is conducted once in an academic year. The faculty is evaluated based on Result Analysis, Feedback from Students, Peer Evaluation, Lesson Plan

Preparation, Innovative Teaching methods, Syllabus Coverage, Effectiveness of Presentations, Creative contributions to academic and non-academic activities.

The Head of the Department is responsible for conducting faculty appraisal process. The feedback received from the students is shared with the concerned faculty for improvement. The Head of the Department organizes peer evaluation by other members of the concerned department in confidence and indicates the percentage obtained in peer evaluation. Best Teacher Award is also offered to faculty members every year based on performance evaluation.

There is a performance appraisal system for non-teaching staff wherein their evaluation is done in a yearly basis under the supervision of the Administrative manager. Due recognition of their performance is given to meritorious ones.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/u/0/folders/1sIHEPDAoINannf2hqB3qT_4-YwcrYo1r
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

Yes, the Institution has a mechanism for internal and external audits. Our Management has a full-time Treasurer to oversee the financial activities of the Institution.

All the books of accounts are audited regularly by Chartered Accountants. Both Internal & External Audits are conducted annually. Hence all financial transactions are transparent.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/u/0/folders/1ke9T5GefTwxVsW64vsYV4kbzdXOrqa5g
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)

NIL

File Description	Documents
Annual statements of accounts	View File
Any additional information	No File Uploaded
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

The Institution is funded and supported by Toc H Public School Society a nonprofit making educational trust.

As a self-financed Institution, the resource mobilization is mainly through Tuition Fees,Training & Consultancy, Research Project etc.

Before the commencement of the financial year, budget requirements under 'recurring' and non - recurring' heads given by the HODs will be reviewed by the Principal and then it is submitted to the Management for approval and sanction. Utilization of the funds is monitored by the accounts department and a purchase committee nominated within the management for negotiations. Supplementary allocations are made in special cases.

Utilization of allocated funds

Funds are allocated by the management. Our Management has a full-time Treasurer to oversee the financial activities of the Institution.

Expenses of all labs are initiated from the department by inviting quotations from at least 3 vendors. The deal is finalized by the management after negotiation. The fund for any other events is approved by the management as per the proposal submitted by the department. Utilization of the allocated funds is reviewed in the departments periodically in consultation with accounts department.

File Description	Documents
Paste link for additional information	**Nil**
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

International Collaborations: MoU signed with Odessa State Academy of Civil Engineering and Architecture, Odessa and collaborated with it in organizing international conference on Innovative Trends In Engineering For Sustainability (Icites-2021). Others active are with Kelania University, Srilanka and Veleuciliste U Pozegi, Croatia under Erasmus + for faculty and student exchange programs. Two of the faculty members visited Croatia under the scheme. The more faculty and student exchange program are under process. Joint research activities in engineering and management studies are underway.

TIST Innovation and Incubation Centre: Institue Innovation Cell (IIC) formed as per MHRD direction and to promote activities innovations, Incubation and research in the Institute. The project team of department of Computer sicence engineering received the state innovation Bornze award from kerala state government in the KSCSTE Techfest -2021.

Patents: Promoted and supported Patent applications with the concerned authorities Asso.Prof.Dr.Vasudev R received Indian Patent awarded, for " sustainable cement concrete composite". Asst.Prof. Ritwik received Australian Innovation Patent for "System and method for extracting coconut endosperm without

breaking its shell".

File Description	Documents
Paste link for additional information	https://docs.google.com/document/d/1ZJjPr8 8-vB7tkoSd-4H55oQ7XuLAVIF8/edit?usp=share_ link&ouid=108455586699203424530&rtpof=true &sd=true
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

Teaching Methodology: In the light of the pandemic scenario, the institute shifted to a virtual learning platform with TIST youtube channel and other online platforms even before the university demanded it. Webex platform with attendance tracking, interactive onlines polls, whiteboards and live video sharing along with whatsapp groups for posting related communications helped to keep more connected.

Internal Assessment Strategy:

In the Academic year 2019-20 half of the year was conducted in online mode due to Covid pandemic. Internal assessment carried out in online mode only. TIST IQAC made the following strategy for the Internal Assessment to make the assessment more effective.

The students; grades are entered into an ERP and notified to the students and their parents. After their assessment, poor performers are offered personal assistance, and one-on-one mentorship sessions are also scheduled for them

As per KTU directive, TIST IQAC conducted internal audit on online curriculum delivery , feedback and presented report to the university. IQAC also facilitated ISO audit in online mode.

The success of the above is clearly evident from the improved pass percentage of the offline university exams conducted for the academics handled over online platforms. Tangible improvement in subsequent university exams .

File Description	Documents
Paste link for additional information	https://docs.google.com/document/d/1JViOG8vuUtHMPp3JyaqmQ8iCwqmWnT8d/edit?usp=share_link&ouid=108455586699203424530&rtpof=true&sd=true
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)	A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://drive.google.com/file/d/14lbJo20kYcbpfG7kZkB7jdJuXkAR_sLF/view?usp=sharing
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
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

Safety and Security:

- Anti-Sexual Harassment and Women's Cell: safeguard the rights of students and employees
- Grievance Redressal Cell and Appeal Committee : resolves

grievances of employees and students .

- Student welfare committee,Anti-ragging cell work in coordination for the general welfare of the students.
- Student safety package insurance: applicable to all students and the claim is paid out to the guardian/parent of affected student.
- Camera, security staff: monitor the campusday and night.
- Lift, Ramp and Wheel chair: to aid those with illness and disabilities.
- Hostel: Separate in-campus hostels facility for boys and girls.
- Health Centre: is fully functional with a doctor, nursing assistant and ambulance.
- Transportation facility: Buses ply in all major routes which are utilized by staff and students

Counseling:

- Department of Applied Psychology and Counseling: takes care of students who have emotional/learning instabilities, family problems.
- Student Mentoring: is practiced in each department to get individual attention in which faculty members act as mentors.(mentor mentiee ratio-1:20).

Common Rooms:

- Reading room: with access to newspapers and periodicals.
- Sick rooms:are available in each block to give special care to students who fall sick but don't need hospitalization.

Daycare:

- Take care of the kids of staff .

File Description	Documents
Annual gender sensitization action plan	https://docs.google.com/document/d/1orxG4w lXW7KJp_NwI2d9WUzJmqFwmw8h/edit?usp=sharin g&ouid=106984802072956470560&rtpof=true&sd =true
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	a. https://tistcochin.edu.in/committees_an d_cells/ b1. https://tistcochin.edu.in/psy/ b2. https://tistcochin.edu.in/ec/ec_mentoring/ b3. https://tistcochin.edu.in/me/mentoring/ b4. https://tistcochin.edu.in/cs/mentoring/ c. https://tistcochin.edu.in/campus- life/amenities/common-room/ d.https://driv e.google.com/file/d/19uILXQHQqJkOLqlAu_h23 3kpq57uobCH/view?usp=sharing

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	**A. 4 or All 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 conservancy staff collect waste from all the departments and categorize them into degradable and nondegradable. Non-degradable waste is handed over to the local body. The paper wastes are disposed of through vendors.

Liquid Waste Management: A sewage disposal system with a capacity of 42m3/day that collects the effluents from the canteen, septage, hostels, and kitchen in a collecting tank and then treating the

wastewater in a sewage treatment plant. Wastewater from two biogas plants and wash water from kitchens of boys and girls hostels get collected in the sump tank and is pumped into the reactor tank provided with a bio pack. After filtering water is chlorinated and led into infiltration basin, finally disposed into the ground. A special area of this ground is earmarked for this with a thick plantation.

E-waste management: Minor repairs are carried out by the technical staff and are reused. Systems and electronic equipment are covered by AMC. Non-repairable e-waste is disposed of through contractors or vendors.

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

A. Any 4 or all 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	B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	[View File](#)
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

04-10-2023 03:36:10

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	**No File Uploaded**
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).

In order to foster an inclusive environment the college takes various initiatives in the form of :

1.National level intercollegiate cultural fests Advay and Mudra are organized every year in which students can showcase their talents and staff are assigned as judges for the events.

2. NSS helps the students develop appreciation to other person's point of view and also show consideration to other living beings. NSS volunteers strive for the well-being of the society with the assistance by faculty.

3. The institution has a canteen facility in the campus that provides dining to staff and students. The college bus ply in all major routes and the facility is open to staff and students.

4.A session on "Introduction to Yoga on Health and well-being" was organized on Sept 12, 2020, for all staff and parents of students of TIST.

5. TIFFERS book bank scheme:The institute takes into account socio-economic diversities among the students and offers scholarships to meritorious students from poor financial backgrounds.

6. Student Exchange Program: The institute has an MoU with the University of Kelaniya (UoK) by which five student exchange programs were organized till date. https://tistcochin.edu.in/mba/tist-mba-international-collaborations/

7.TIST cooperative society for subsidizedbuy of commodities

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

- **Educating students about the principles of constitutional obligations is done through the curriculum as wellas through extra-curricular activities. The University has introduced a compulsory paper on the Constitution of India at Degree level to create awareness and sensitizing the students about constitution obligation.**
- **Independence and Republic day are celebrated on the campus with the initiative and support of management and staff to commemorate our freedom fighters and to keep patriotism alive.**
- **AICTE with the view of ensuring value-based education for value-based living has designed the course, "Universal Human Value (UHV), The content is universal, rational, verifiable, and leads to harmony and has an immediate and positive impact on self-development as well as institutional progress.Faculty members from all departments were successful in completing the course.**

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://docs.google.com/document/d/1kwItzBE93tdGbmmFCufp4FjtPH4ioxpR/edit?usp=sharing&ouid=10698480207295647056 0&rtpof=true&sd=true
Any other relevant information	https://ktu.edu.in/data/15.COMPUTER%20SCIENCE%20AND%20ENGINEERING.pdf?=GhcEanEmFUX1sFMiphMasPGztalHbzZBKlq4k5X5fl5iX3Gh6cnoeAE R6vBP%2B3cztcWvir%2BaixzxeT5fE3Fhdg%3D%3D

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts	**A. All of the above**

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

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	No File Uploaded

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

On 5th June 2020, World Environment Day was celebrated at the campus by planting saplings of fruit trees

Onamwas celebrated on 5th September in virtual mode with online competitions such as Malayali Manka and Kerala Sreeman, Poovilla Pookalam, and Nissaram (push-up).

Teacher's Day 2020 -celebrated on September 5th, 2020 andonline games were arranged for the faculty members.

Celebrated Engineers' Day on September 15th with keynote address bychief guest of the function Er. P.G.Venkatram, Chief Technology Officer L&T Ltd, Chennai. T. A competition on "Sustainable product development" was conducted through the online platform for the school students from 9th to 12th standard.

Republic Daycelebrated and hoisted the flag.

International Women's day was celebrated on 10th March with a session on the theme "Women in Leadership: Achieving an Equal Future in a Covid -19 World". Aswathy Venugopal, Dream-maker and

founder at Avasarshala handled the Session.

Independence Daycelebrated andhoisted the National flag.

Ozone Day 2021 was celebrated at the campus on September 16, 2021. A webinar on "Uncertainties In Numerical Weather Prediction" by Dr. Abhilash S, Director, Advanced Centre For Atmospheric Radar Research, CUSAT was conducted on that day.

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.

1. TIST INNOVATION AND STARTUP ACTIVITIES

As per Government of India's clarion call to "Make in India", TIST decided to formalize and unify all the diverse activities related to innovation, incubation and entrepreneurship. The objectives are to create an entrepreneurial environment, IPR related support to innovation, education in the areas of innovation and entrepreneurship, opportunities for networking with external entities ,to set up incubation facilities and support that results in the creation of ventures that are successful in the commercial, technological and social sense. The practice includes technical talks, inititaitves for building startup , contesting in hackathons,mentoring schools with the support of faculty trained asinnovation ambassdors.TIST has been awarded Second Runner-up in the Top performer in District-Ernakulam category in the innovators' Premier League 2021 hosted by Kerala Startup Mission.

2.Neighbourhood Society Connect-Phase 3

The objective is to develop better understanding of the various issues confronting the neighbourhood contributingto new knowledge solutions with the partnership of local communities and the

government grants. TIST organized various development, environment and sustainability preservingsocially relevant activities fostering the social responsibilities of institute. The success includes government appreciations,participation in Innovation Expo etc.

File Description	Documents
Best practices in the Institutional website	1. https://tistcochin.edu.in/iic/ 2. https://tistcochin.edu.in/campus-life/professional-associations/iedc/3.https://tistcochin.edu.in/about-us/tist-highlights/#TocH-Highlights-SOP
Any other relevant information	1. https://docs.google.com/document/d/1JwFgYwA_S0pEaAlmYA8lxjZZy5k_ZQAl/edit?usp=sharing&ouid=118370883318130423542&rtpof=true&sd=true

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

Constructive Virtual Teaching-Learning

The institution has been shifted to virtual learning platform with a TISTyoutube channel and other online platforms even before the university launched it. Webex platform with attendance tracking, interactive online polls, whiteboards, and live video sharing along with WhatsApp groups for posting-related communications helped to keep more connected. Later Microsoft teams provided a classroom approach by constructing teams for each course. Links of virtual laboratories provided by IITs, videos made by the teachers, and available online tools are shared with students to carry out the laboratory works. Scheduling assignments, internal assessment questions, class tests, and quizzes in the institutional ERP aided evaluation process. Class committee meetings, technical fest, and cultural activities were conducted online over google meet. Parent-teacher meetings were regularly organized online and their feedback always served as motivations for redefining strategy wherever required. Online interactive webinars, training programs, and other career-related sessions kept the students abreast with the rapid changes. The institute also organized various motivational sessions to make the student

cope up with sudden hop to online learning. The success of the above is clearly evident from the improved pass percentage of the offline university exams conducted for the academics handled over online platforms.

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

- To increase the student intake in highly demanding B.Tech programs.

- To increase placement offers for students with esteemed companies/organizations.

- To further promote international collaboration and faculty exchange.

- To improve student and faculty publications in national /international peer reviewed and scopus/sci- indexed journals.

- To promote funded research projects/ patents and participation in idea pitching among faculty and students.

- To take initiatives towards building center of excellence in Data Science by the Department of Computer Science & Engineering.

- To serve as a mentoring institute for nearby schools under the Ministry of Education's innovation council for providing training and workshops.

- To continue active participation in "Rebuild Kerala" of Government of Kerala initiative.