YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

Toc H Institute of Science & Technology

- Name of the Head of the institution

  Prof.(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**

- Name of the IQAC Coordinator   **Dr. Georgina Benoy Joseph**

- Phone No.   **04842874833**

- 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)   www.tistcochin.edu.in

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/admission/academics/academic-calendar/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.71**	**2012**	**21/04/2021**	**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
Department of Electronics	MODROB	AICTE	2020	5,00000
Department of Computer Science	Research Promotion Scheme	AICT	2022	879666
Department of Mechanical Engineering	K-DISC	AICTE	2022	10738333
Department of Mechanical Engineering	K-DISC	AICTE	2022	457000

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)

• Development and application of quality benchmarks/parameters for various academic and administrative activities of the Institution • Facilitating the creation of a learner-centric environment conducive to quality education and faculty excellence to adopt the required knowledge and technology for participatory teaching and learning process • Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes • Dissemination of information on various quality parameters of higher education • Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles • Documentation of the various programs/activities leading to quality improvement • Acting as a nodal agency of the Institution for co-ordinating quality-related activities, including adoption and dissemination of best practices • Development and maintenance of institutional database through MIS for the purpose of maintaining/enhancing the institutional quality • Development of Quality Culture in the Institution • Preparation of the Annual Quality Assurance Report (AQAR)

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
ARIIA ranking	Band Performer

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

- Name of the statutory body

Name	Date of meeting(s)
IQAC	11/04/2023

14.Whether institutional data submitted to AISHE

Part A	
Data of the Institution	
1.Name of the Institution	**Toc H Institute of Science & Technology**
• Name of the Head of the institution	**Prof.(Dr.) Preethi Thekkath**
• Designation	**Principal**
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• Phone no./Alternate phone no.	**04842748388**
• Mobile no	**9946509900**
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• Alternate e-mail	**naac.tist2017@gmail.com**
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- Name of the statutory body

Name	Date of meeting(s)
IQAC	11/04/2023

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2022	03/03/2022

15. Multidisciplinary / interdisciplinary

In the light of "Make in India", NISP @ TIST pushes forward all multidisciplinary research and developments in collaboration with

IIC and IEDC. Multidisciplinary research projects on social issues and challenges like aquatic thrash collecting, well clearing robots are some of the initiatives.The institute promotes multidisciplinary courses in sciences, mathematics ,humanities, social sciences, professional skills, soft skills, ethics, morality, human values and management studies with minors, honours and masters catering to integrated competencies development including intellectual, aesthetic, social, physical, emotional, and moral. Vide KTU Ordinance 7(s), students are permitted break in studies for startups etc. encouraging multidisciplinary flexible curriculum. TIST research wing plans to join hands with nearby panchayats and special schools to sort out the problems raised by them through interdisciplinary applications.

16.Academic bank of credits (ABC):

Institute encouraged students to open accounts with Academic Bank of Credits. Choice based credit system adopted. KTU permit students to avail multiple entries and exits in a program. Collaboration with foreign and national institutions are active. Faculty members encouraged to participate in FDPs, STTPs and Workshops pertaining to curriculum. Students are encouraged to deposit their credits obtained from academics as well as skill-based certification programs in the National Academic Depository.

17.Skill development:

TIST Advanced Skill Development Centre (ASDC) is started in 2021 by Additional Skill Acquisition Programme (ASAP) launched by Govt. of Kerala. Twenty-three students got successfully certified in ASAP -Artificial Intelligence and Machine Learning course (NSQF Level 7 certificate from Govt. of India) spanning 3 terms and 600 hours. Students have also taken up the following courses in either online/blended mode :

- UI Path – Robotic Process Automation (RPA)
- Google Associate Cloud Engineer
- Artificial Intelligence and Machine Learning by IBM
- Business Analytics by IBM
- Coding Skills by ICTAK
- Here Maps – Maps and Location Technology Course
- Amazon Web Services (AWS)

along with their academics to enhance their skillset and obtained

globally recognized certifications.

Curriculum offers mandatory courses viz: Life Skills, Professional Communication, Sustainable Engineering, Constitution of India , Industrial Safety Engineering, Disaster Management and Professional Ethics. Students have enrolled in Young India (Yi) platform to participate in and contribute to by becoming an integral part of the Indian growth story, ENCON Club for practicing energy conservation and environment protection and National Service Scheme (NSS) and KARMA to reflect the essence of democratic living and to uphold the need for self-less service. Students have actively participated in Advay – National Level Inter-Collegiate Fest and MUDRA -the intra-collegiate arts & literary fest of TIST.

 All students have to earn a minimum of 100 activity points during their academic stay at the University covering extra-curricular and cocurricular activities. Two credits are given for this on a pass/ fail basis and is mandatory for getting the B.Tech Degree. MoUs with various Industries enabled their veterans to provide expert talks/ workshops to students and faculty to train the students and thereby overcome the gaps. ASAP offers courses that are in line with the standardisation parameters laid out by National Skill Development Corporation and National Skill Development Agency. The telepresence lab is a hi-Tech lab with audio-video support, touch screen television, speaker track camera, mics, and speakers utilized for virtual classrooms, interactive webinars and global delivery of content. Classrooms and seminar halls are equipped with projectors/LED TVs/Smart Boards.

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

Curriculum offers mandatory non-credit course titled " Constitution of India" to explore the basic features and modalities about Indian constitution. Bilingual (English and Regional Language "Malayalam") is used in curriculum delivery inside classrooms and laboratory sessions. The learning materials provided includes the video tutorials in Malayalam and Hindi in-addition to English language. Students can ask questions in Malayalam and teachers are responding to questions in English/ Malayalam depending on its difficulty level so that their first language literacy to be improved and thereby helps in learning

foreign language. Bilingual learning helps to improve content based learning of science, engineering and mathematics courses. Faculty may be given sessions on how bilingual learning affects the learning capabilities. Institution encourages the conduct of extra curricular programs upholding Indian culture and traditions.

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

The faculty members of the institution are oriented towards Outcome Based Education (OBE) and are actively utilizing the OBE to satisfy the learning needs of students by innovative methods and techniques. Assessment of course outcomes are necessary to improve the quality of teaching learning process in Outcome Based Education (OBE). The affiliated university, KTU introduced 2015 curriculum initially and has revised in the year 2019. For 2015 scheme courses, faculty proposes the course outcomes and its mapping with POs and PSOs, which is then discussed in the Department Quality Assurance Cell (DQAC) for approval. For mapping with POs/PSOs the correlation levels are defined as 1 (low), 2(Medium) and 3(High.).For 2019 scheme courses, the course outcomes and its mapping are defined by the university and the faculty is privileged to propose their suggestions in DQAC if required. At the end of each course, the COs are assessed and evaluated to find its attainment.Trainings on Pedagogy is imparted to faculty for adopting OBE approach. Faculty members participate in Faculty development programmes to update their pedagogical skills and to acquire knowledge about current technological developments. Induction program for new faculty helps to recognize the importance of self-development and development of students. The list of RBT keywords that are followed by institute, vision, mission of institute and department, PEOS,POS and PSOs, CLP, Course Outcome Attainment Calculation details are conveyed in the meeting.

20.Distance education/online education:

Vocational Courses are availed by students from virtual centers at TIST , coursera, SWAYAM NPTEL, Google tools, virtual labs etc. For the pandemic period, the institution switched to a virtual teaching learning platform. Faculty members posted videos of the respective courses handled in the TIST youtube channel. Webex platform helped to track attendance and supported online polling to make sessions more interactive. Also, the whiteboards and live video sharing kept the teaching learning process very effective. Faculty handling courses also formed a whatsapp group for posting their videos and sharing other resource materials.

Virtual laboratories of IITs along with online tools available are used for laboratory works. Assignments, internal assessment questions, class tests and quizzes and their timely submissions are done through college ERP. Parent teacher interactions and meetings were also conducted online and their feedback was recorded. Faculty members are trained to use online platforms effectively. Microsoft teams is been used to build a classroom approach by creating teams for each course. Along with offline classes , webinars and online meets are still encouraged for constant tracking and updations.

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**455**

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

2.Student

2.1 Number of students during the year	**1016**

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	**221**

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

2.3 Number of outgoing/ final year students during the year	**381**

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	**131**

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	**18**

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	**45**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**476.53**
4.3 Total number of computers on campus for academic purposes	**575**

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 members prepare the detailed course plan, get it approved by the HOD 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 book are uploaded in ERP. Class / course committees with students, parents, faculty members and HOD are 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.Tutorial sessions are arranged to help students to clear doubts. A mentor is assigned to each student to monitor him.

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://ktu.edu.in/eu/acd/academicRegulation.htm?=kw8W4a2hOU7sqHTXJUOTLt1%2FGZ20lqbyIMpyrd0SBKjgUM3L%2BiWwwQ0EYEGJ0IJB

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 extra curricular 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 dead line 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://ktu.edu.in/eu/acd/academicRegulation.htm?=kw8W4a2hOU7sqHTXJUOTLt1%2FGZ20lqbyIMpyrd0SBKjqUM3L%2BiWwwQ0EYEGJ0IJB

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	No File Uploaded

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

44

File Description	Documents
Any additional information	**No File Uploaded**
Minutes of relevant Academic Council/ BOS meetings	**No File Uploaded**
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)

34

File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
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

501

File Description	Documents
Any additional information	**No File Uploaded**
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

Human values and professional ethics:

To instill Moral, Social and Ethical values, the Institutionhas two courses Professional Ethics (HUT200) and life skill (HUN101) as credit courses during 1stand 2ndyear. Responsible Engineering is offered for the final year students to create awareness about

professional ethics. These courses help students gain a worldview of the self, society and profession. It emphasizes on holistic understanding of ethical human conduct, trustful and mutually satisfying human behavior.

Environment and Sustainability

Sustainable Engineering course is offered as a mandatory course for the U.G programs. The course includes the study of natural resources with emphasis on renewable energy resources, the importance of conserving the present ecosystem, promoting biodiversity, perils of environmental pollution and raising awareness on environmental and social issues.

Environmental Engineering I discuss about technical solutions to the problems in environment. Municipal Solid Waste Management is offered as elective courses which discuss about environment problems and solutions.

Seminars and webinars are organised by the collegeto heighten awareness and sensitivity among students and faculty on environment. Institutionalso celebrate water day, ozone day, environment day for creating awareness among students.

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

75

File Description	Documents
Any additional information	**No File Uploaded**
Programme / Curriculum/ Syllabus of the courses	[View File](#)
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	**No File Uploaded**
MoU's with relevant organizations for these courses, if any	**No File Uploaded**
Institutional Data in Prescribed Format	[View File](#)

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

836

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

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	**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	Nil

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

425

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

223

File Description	Documents
Any additional information	No File Uploaded
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. 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 among class-in-charges (<= 1:20) and mentoring is practiced to monitor and motivate the students throughout the semester. External/internal 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 programme.

File Description	Documents
Paste link for additional information	Nil
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
1460	132

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 own learning capabilities. Students actively participated in consultancy projects of Government such as Rebuild

Kerala initiative, Stability Check of buildings of Mulanthuruthy Block Panchayat 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 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, ICI etc. MOUs with various industries and foreign universities provides 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. ERP platform (Linways) is used to manage and post, course related information such as learning materials, multiple choice questions with self evaluation facility etc. Lab manuals are given to students well in advance the experiment is performed. The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process. E-books, E -journals, are provided. Telepresence Lab was set up to Create a State-of-the-art Technology-enabled Learning platform that would enable remote delivery of high-quality skills and programs from the industry. Deploy learning platform connecting 150 Hi-Tech classrooms in the Engineering colleges in the state. Implementation of an effective e-Learning solution with collaboration features to use in a distributed environment. Deliver formal skill delivery programs through Minor degree, certification programs, expert lectures, etc. to enhance the learning opportunities and employability of students.

Link:https://tistcochin.edu.in/erp/

ERP for Design of steel Structures: https://toch.linways.com/staff
/staff.php?menu=coursefile&action=course_file_temp&bid=9&suid=475&
sid=7

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

82

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	**No File Uploaded**

2.4 - Teacher Profile and Quality

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

132

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	**No File Uploaded**

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

25

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

132

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. HODs convene faculty meetings to guarantee that evaluation process is carried out effectively. Students are continually evaluated through various evaluation systems. Internal assessment tests , class tests, assignment submissions, seminars and project presentations are used on a regular basis. Two internal semester examinations are conducted in semester by Internal Examination Cell , as per academic calendar and circulated to among stakeholder. The scheme of evaluation and answer key of each question paper is prepared and key circulated.

Answer scripts are evaluated strictly based on the scheme by the concerned subject faculty members and the result is published within a week. Each faculty provides effective feedbacks regarding performance and presentation of answers to students.

The students' grades are entered into an ERP 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 seminars and project, marks are awarded to the students by the panel members based on the rubrics

File Description	Documents
Any additional information	View File
Link for additional information	Nil

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 provides a system in order to maintain transparent, time- bound and efficient conduct of internal examination. 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 Students Grievance cell. Issues reported are sort out within a week. Thus, TIST

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

File Description	Documents
Any additional information	**No File Uploaded**
Link for additional information	**Nil**

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	**No File Uploaded**
Paste link for Additional information	**Nil**
Upload COs for all Programmes (exemplars from Glossary)	**No File Uploaded**

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

PO attainment is done by direct & indirect assessment tools. Total PO and PSO attainment value is the sum of direct & 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 COs with POs and PSOs and is done by mapping the attained values of COs 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% and students feedbacks given a weightage of 20% for technical talks, industrial visits, etc. thereafter student feedback is taken and analyzed to check the effectiveness of the same. Exit feedback is prepared to relate all POs & PSOs. Alumni feedback is used to identify any gaps in quality, latest technology etc. for inclusion in each course. In each course, 5 COs are framed based on RBT levels and course levels. 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

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

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

297

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	No File Uploaded
Paste link for the annual report	Nil

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://docs.google.com/document/d/1yHwKQrC_-N0x7D9yzFr1IXA0MfUjuvd7/edit

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)

`30.47499`

File Description	Documents
Any additional information	**No File Uploaded**
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

`11`

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

`7`

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://kscste.kerala.gov.in/

3.2 - Innovation Ecosystem	

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

The institution has an innovation & entrepreneurship development center (IEDC) and Institution's Innovation Council (Toc H IIC) that aim to provide students an opportunity to experiment,innovate,Ito learn, collaborate and transform their innovative ideas into prototypes of viable products and services. A talk on Today's Student Tomorrow's Entrepreneur by Sreeshankar S Nair Co-founder & CEO of, BRAINWIRED to motivate the students. A session on " Angel investment and funding opportunities for early stage startups "by Abhay P.A , Devops Associate, Upekkha to encourage students to participate in the IIC Regional Meet Kochi-2022.AQuiz competition & an Ideathon competition was conducted exclusively for school students.These activities promote enterprise among budding technopreneurs and thereby creating more employment opportunities for beginners to enter the world of design, and more so in a student-friendly environment. Various programs like User Interface / User Experience Hackathon (UI/UX HACKATHON) ,Coding competition "Capture the flag for young Engineering students, was organized.Programming contests are a great way for young programmers to apply what they know in a fun context and improve their analytical and problem-solving skills. studentscan program in the real world to solve a problem or hone their programming skills.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	• [httpshttps://tistcochin.edu.in/iic/iic-toc-h-activities/](#)

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

26

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
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://ktu.edu.in/eu/core/registeredResearchSupervisors.htm?actionLink=listingTable-controlLink&page=9
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

37

File Description	Documents
Any additional information	**No File Uploaded**
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 encourage students toward community needs. Civil Engineering Department, 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 LSGD.it is involved in the quality control system of RKI projects to ensure the quality of roads. Lab facilities were used for various stages of quality testing of materials. MITHRAM Special School had discussions with their officials regarding the planning and design of the new block as part of community service. Asession on"Snehagadha": an awareness program on women's safetyorganized byKakkoor Public Library.An awareness campaign "Let's learn: with the Children". the session which aided to create a supportive and nurturing environment that helped students to focus on the positive things of being back to school. Avision for holistic advancement through friendship, to boost the confidence of school-going children after a break.CSE studentshave released their first covid-19 android app – C-Scan Kerala which is in the play storeand provides information on total, recovered, deceased,and active cases, on daily bases, and total data for all 14 districts.in Kerala.

File Description	Documents
Paste link for additional information	https://tistcochin.edu.in/cs/social-outreach-program-cse/
Upload any additional information	**No File Uploaded**

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

3

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

20

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
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

1120

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
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

27

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

28

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 institute has adequate infrastructure and physical facility for effective teaching-learning.

The institution has the policy of replacing or upgrading the existing equipment to meet the changes in the syllabus made by the university from time to time. The campus is spread over 26.08 Acres of land.

Infrastructure: The Aryabhata Block accommodates Principal, Board room, Administrative office, Examination cell, Seminar hall, Training and Placement cell and the departments of Electronics and Communication engineering, Management Studies (MBA), admission cell, Prayer Room, Yoga Room, etc..

The Einstein Block houses departments of Electrical and Electronics engineering, Computer Science engineering, Science & Humanities, Information Technology, common Computer Centre, Central library, Science & Humanities and Mathematics.

Visvesvaraya Block accommodates departments of Mechanical engineering, Civil Engineering & Safety and Fire Engineering.

All the 3 blocks are fully equipped with the necessary infrastructure, adequate class rooms, seminar halls, tutorial halls, laboratories, space for academic activities and individual departmental libraries.

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

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

Response:

The Institution has provided sports facilities to the students in all Major Outdoor and Indoor games.

INDOOR SPORTS FACILITIES

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

Basketball Court (26 meters x 15 meters)

Two Badminton courts (18meters x 15 meters)

Table Tennis (2 tables)

OUTDOOR SPORTS FACILITIES

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

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

45

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
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)

62.69

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload audited utilization statements	**No File Uploaded**
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)

The Institute has a well equipped centrally located Library in the Campus.The Library is an automated with modern web based software KOHA. OPAC and WEBOPAC systems.. It provides excellent learning resources catering to the ever growing intellectual requirements of the students, faculty, and researchers. At the entrance of the library barcode reader is used as gate register for students and staff. Also provided a system for checking the library account status of the users at the entrance which helps to know the all details of their accounts. Through this web based library software users can login with their user name and password and know their library holdings, overdue details, issue, return, renewal details etc. through the web. Users are allowed to renew their books through online also. Library users can get E-mail notification at the time of issue, return, renewal, overdue if any etc. Bar-coded Identity card is issued to all its users Circulation (lending materials to patrons and receiving them): In the library circulation module provision is made to issue/return/renewal of book circulation, non-print material circulation (CD, DVD, etc.) and serial circulation (Print Journals/Magazines). Setting: In the setting module provision is made for holiday settings, Library rules setting, generating the barcodes, listing of books (by authors, publishers, suppliers), printing of member ,barcode, etc.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	**Nil**

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	No File Uploaded
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)

1732904

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
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

147

File Description	Documents
Any additional information	No File Uploaded
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 the internet with speed of 800 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 the 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 36 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

575

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](#)

04-10-2023 03:36:48

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)	
476.53	

File Description	Documents
Upload any additional information	**No File Uploaded**
Audited statements of accounts	**No File Uploaded**
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.

Lab Maintenance

At the end of each semester, a list of equipment for servicing is collected by the concerned lab staff. A communication is sent to the respective companies and their consent is taken for servicing the equipment. The companies give estimates regarding the amount for equipment. This estimate is submitted for the approval of the department HOD and Principal; Thereafter sent to the Management for final approval and the amount is settled with the company after servicing,

Book Purchase procedure: Librarian collects the list of books required by each department through the HODs during the beginning of each semester and submits it for the approval of the Principal. On approval,at least 3 quotations are invited from leading book suppliers and librarian prepares a comparative statement. Duly signed comparative statement by Principal and Librarian is sent to the management for approval. For any immediate requirement of the books and journals in any department, the librarian is authorised to do the same with the sanction of HODs and Principal.

Maintenance of books: The damaged books are maintained by binding at the end of every year.

Stock Verification: Annual stock verification is done by an external auditor and report is presented before the Library Advisory Committee; weeding out of missing books will be done after the approval by Principal on the recommendation of the said Committee.

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

410

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

321

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	**Nil**
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

246

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

246

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

A. All of the above

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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
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

240

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
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

7

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

10

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.

11

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: Student Council serves as a point of contact between the administration and the students. It provides a platform for students to enhance their leadership abilities, social skills, cultural capabilities, and general personal growth.

Student Council 2021-2022

Akhil S: Chair person -Safety & Fire Engineering

Merry Ann Rose: Vice Chair Person – Information Technology

Muhammed Hashim B: General Secretary- Mechanical Engineering

Ajay Aby:Magazine Editor- Safety & Fire Engineering

Rithin Abraham : Arts Club Secretary- Computer Science Engineering

Jannet S: university union Counceller- Computer Science Engineering

Sanju Thomas: university union Counceller- Computer Science Engineering

Anusha Ceriyan & Sandra Ajaya Kumar: Girls Student Representative - Civil Engineering

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

5

File Description	Documents
Report of the event	**No File Uploaded**
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

To consolidate the alumni information collected from various departments. To encourage and guide the departments in updating alumni details. To inspire departments to conduct TAG meetings so as to strengthen the ties between alumni and the institute. To motivate regular students by conducting talks by alumni.

Frequency of meetings Once in a semester Additional meetings whenever situation demands

Executive Committee Members President- Prof. (Dr.) Preethi Thekkath, Principal Vice President- Dr. Resmi R , HOD, Mathematics Former student Vice President - Mr Pramod Chandran (B Tech CS 2004-2008(Former student) Teaching Secretary -Asst. Prof. Kurian Thampy (B Tech IT 2005-2009) Former student Secretary- Mr Jose

Pulikkunnel (B Tech M E 2014-2018) Treasurer - Asst. Prof. Abin Ommen Philip (B Tech CSE 2005-09 & M Tech 2009-11)

Student Representatives 1. Mr. Abhishek (B Tech EC) 2. Mr. Anuraj K A (B Tech IT 2008-2012) 3. Mr Saigopal S Shenoi (B Tech IT 2013-2017) 4. Mr Jerin Mathew (B Tech CS 2012-2016) 5. Mr Yadav Jayachandran (B Tech CS 2016-2020). 6. Ms. Sheethal (B Tech EC 2018-2022) 7. Mr Jomer C S (B Tech ME 2015-2019) 8. Mr. Ananthakrishnan(B.Tech ME 2017-2021)

File Description	Documents
Paste link for additional information	**Nil**
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	**No File Uploaded**

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 chosendomain making a positive impact in industry, research,business and society. Mission of the Institution: To provide the ambience necessary to achieve professionaland technological excellence at the global level. To undertake collaborative research that fosters new ideasfor sustainable development.

To instill in our graduates ethical values and empathy forthe 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 SchoolSociety, Kochi, renowned for quality educational institutions inKerala. A 9-member core management team, consisting of the Boardof Directors (who are annually elected from the members of theSociety) 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	No File Uploaded

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

The institution practices decentralization and participativemanagement. The Governing Body meets once a year to discuss the performance levels of the institutio. Several bodies with welldefinedroles 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 AppealsCommittee, 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 theindividual departments. The budgets of all the departments will be consolidated by the Accounts Manager and will be presented to thePrincipal, 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 tobe prepared and sent to the Founder Director and Manager for approval with recommendation of the Principal. For items less thanRs.5,000/- purchases may be made locally with the prior approval

File Description	Documents
Paste link for additional information	https://tistcochin.edu.in/committees_and_cells/
Upload any additional information	**No File Uploaded**

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The IQAC suggested collaboration with foreign universities andinstitutionsThe Department of Management Studies entered into an MoU with theUniversity of Kelaniya, Sri Lanka and Veleuciliste U Pozegi,Croatia (as part of ERASMUS exchange Programme) with the aforesaidobjectives.

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

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 SchoolSociety. 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 yearto discuss the current performance levels of the institution.

Principal, who along with along with Dean (Academics) and VicePrincipal are engaged in the overall development and day todaygovernance. Principal chairs the meetings of staff council andother committees which are convened regularly. The activitiesplanned in the HoD meetings, are executed through various academicand administrative bodies such as IQAC, PTA, Students Council etc.Adequate representation of Faculty, students and parents areinvolved in all these committees.

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

File Description	Documents
Paste link for additional information	https://tistcochin.edu.in/about-us/governing-council/academic-council/
Link to Organogram of the institution webpage	**Nil**
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 andnon-teaching staff. The various welfare schemes are:

Employee'scooperative society floats loans to teachers and staff

FestivalAllowance is provided to all faculty and staff

Accommodation isavailable for faculty & guest faculty. ?

Tours and family gettogethersare organized for staff and employees

Awards andrecognitions are given away in functions to the winners

LICPension Plan/EPF available for all confirmed teaching staff. Employees Provident Fund/ESI/Medi-Claim for all confirmed nonteachingstaff.

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 forcommunication 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	**Nil**
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

1

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

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	**No File Uploaded**
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

50

File Description	Documents
IQAC report summary	**No File Uploaded**
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 systtperformance evaluation of faculty is conducted once in an academic yearevaluated based on Result Analysis, Feedback from Students, Peer EvaluaPreparation, Innovative Teaching methods, Syllabus Coverage, EffectivenPresentations, Creative contributions to academic and non-academic acti The Head of the Department is responsible for conducting faculty appraifeedback received from the students is shared with the concerned facultThe Head of the Department organizes peer evaluation by other members o department in confidence and indicates the percentage obtained in peer Teacher Award is also offered to faculty members every year based on peevaluation. There is a performance appraisal system for non- teaching staff wherein is done in a yearly basis under the supervision of the Administrative mrecognition of their performance is given to meritorious ones.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

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. a full-time Treasurer to oversee the financial activities of the Instit All the books of accounts are audited regularly by Chartered AccountantExternal Audits are conducted annually. Hence all financial transactionThe audited financial statements of the academic years are available inhttp://tistcochin.edu.in.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

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)

1.125

File Description	Documents
Annual statements of accounts	**No File Uploaded**
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 educational trust. As a self-financed Institution, the resource mobilization is mainly thrFees,Training & Consultancy, Research Project etc. Before the commencement of the financial year, budget requirements undenon - recurring' heads given by the HODs will be reviewed by the Principal and then it is submitted to the Management for approvaUtilization of the funds is monitored by the accounts department and a nominated within the management for negotiations. Supplementary allocatspecial cases. Utilization of allocated funds Funds are allocated by the management. Our Management has a full-time Toversee the financial activities of the Institution. Expenses of all labs are initiated from the department by inviting quotleast 3 vendors. The deal is finalized by the management after negotiatany other events is approved by

the management as per the proposal submdepartment. Utilization of the allocated funds is reviewed in the deparperiodically in consultation with accounts department.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

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 collaboration: As per the MoU, 3 faculty from MBA department under faculty exchange programe availed Erasmus+ International Teaching Mobility Progrmme at Veleuciliste U Pozegi, Croatia from 23rd to 27th May 2022. Reciprocally other two faculty members from Croatia visited TIST for one week and participated in International conclave on "The changing world order and its impact on Business" on the 6th May 2022

Research initiatives :

- **Received Rs.19.52 lakhs(ME-10.73 lakhs and CSE 8.79 lakhs)from AICTEunder Research Promotion Scheme (RPS)**

IPR: IQAC in association with Controller General of Patents Designs and Trademarks conducted IPR awareness program on 19th July 2022

- **One patent received during the year 2022 : South African innovation patent (2022/01062) for a portable and rapid malaria detecting device by the department of Electronics. Another patent " A system to clean waste from tunnels"**

NBA: IQAC directed department of Safety and Fire Engineering to go for NBA accreditation. Hence all five (ME,CE,CSE,ECE and SF) departments directed to prepare pre- qualifier.

Automatic Weather Station (AWS) along with a 2-D video disdrometer installed at TIST campus as part of joint research collaboration with Advanced Centre for Atmospheric Radar Research (ACARR), CUSAT

File Description	Documents
Paste link for additional information	https://tistcochin.edu.in/wp-content/uploads/2022/01/Toc-H-NIRF-2022.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Sl.No

Problems Identified

Action Initiated

1.

Minor/Honours Courses: Minors hour should be included in the regular hours as per the syllabus

The number of hours specified by KTU for Minor/Honours Courses to be shown in the timetable

2

Central Computing Facility: More systems can be added to the central computing facility – Insufficient number of computers when compared to college strength.

This will be rectified immediately.

3

Students attending MOOC or other online courses is less

More Students to be encouraged to do MOOC and other online courses and proper records to be maintained.

4

Conduct of Seminar, Mini project, Project and Thesis: Paper publications can be improved

Paper Publications to be insisted on for each Seminar, Mini
project, Project and Thesis by student/batch

5

NSS: Insufficient number of activities and

documentation

NSS Activities to be increased increased.

6.

Documentation: Formats used for documentation are different in in
various departments

Unified Documentation based on ISO Formats made compulsory

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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/1o6Ut7Ni0uQuWI07xoemUeelJPNzbq_Hw/view?usp=drive_link
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Safety and Security:

- **Anti-Sexual Harassment and Women's Cell: safeguard the rights of students and employees.**
- **Grievance Redressal and Appeal Committee cell: 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 campus throughout the day.**
- **Lift, Ramp: to aid those with illness and disabilities.**
- **Hostel: Separate in-campus hostels facility for boys and girls.**
- **Daycare: for taking care of the kids of staff but was not functional during the pandemic time.**
- **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.

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.

File Description	Documents
Annual gender sensitization action plan	https://docs.google.com/document/d/1tCEG13 OYKodxvovGTcFP8CNobtb5unxr/edit?usp=share_ link&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: Safety and security: https://tistcochin .edu.in/committees_and_cells/ b.Counseling: https://tistcochin.edu.in/psy/ https://tistcochin.edu.in/ec/ec_mentoring/ https://tistcochin.edu.in/me/mentoring/ https://tistcochin.edu.in/cs/mentoring/ c. Common Rooms: https://tistcochin.edu.in/ca mpus-life/amenities/common-room/ d.Day care center for young children https://tis tcochin.edu.in/c/ampus-life/amenities/day- care-unit

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 are handed over to the local body .The paper wastes are disposed through vendors.

Liquid Waste Management: A sewage disposal system with a capacity of 42m3/day that collects the effluents from canteen,septage,hostels and kitchen in a collecting tank and then treating the wastewater in a sewage treatment plant.Waste water from two biogas plants and wash water from kitchens of boys and girls hostels gets collected in the sump tank and is pumped into reactor tank provided with biopack.After filtering water is chlorinated and led into infiltration basin ,finally disposed into the ground.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 are 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	A. Any 4 or all of the above

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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

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 by bringing students and teachers from diverse backgrounds together and create a sense of unity, the college takes various initiatives in the form of :

- **Conducting fests/celebrations:National level intercollegiate cultural fests are organized every year in which students can showcase their talents and staff are assigned as judges for the events.Commemorative as well as religious festivals are also entertained.**
- **Promoting NSS activities : The welfare of an individual is ultimately dependent on the welfare of the society on the whole and the NSS volunteers strive for the well-being of the society with the assistance of faculty members.**
- **Facilitates access to canteen, transportation etc:The institution has 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.**
- **TIFFERS : The institute takes into account socio economic diversities among the students and offers scholarships to meritorious students from poor financial backgrounds.**

- **Student Exchange program: The institute has MoU with University of Kelaniya (UoK) by which five student exchange programmes were organized till date.**

- **TIST Cooperative society:Inorder to ensure the welfare of the employees,TIST cooperative society was formed.**

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 well as 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/19-S2pvcc8sbBYUIsaUKVk43VaUyZ7r02/edit?usp=share_link&ouid=106984802072956470560&rtpof=true&sd=true
Any other relevant information	https://www.facebook.com/profile/100063865159414/search?q=republic,https://www.facebook.com/profile/100063865159414/search?q=independance,https://ktu.edu.in/data/15.COMPUTER%20SCIENCE%20AND%20ENGINEERING.pdf?=oHTOKxXC2QWYrgDgwtWpm3cI3NIyZiY6xTMxtp9vGlf7e50u6vs1qs0CKN725ibHw0MnqzxYBhxtTC%2BCofldLA%3D%3D

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

World Environment Day Celebration-Toc H was one among few colleges

in India and the only Engineering college from Kerala chosen for the World Environment Day address, ''VC with PM'', by the Hon. Prime Minister of India. Various competitions and talks were also organized by different departments of TIST.

Onam: Tistians celebrated the harvest festival of Kerala with great vibe and enthusiasm.

Republic/Independence Day:To commemorate the sovereignty of our nation and pay homage to the sacrifices of the freedom fighters TIST celebrated Independance/ Republic day.

Engineer's Day 2021 - Department of Civil Engineering took a lead role in conducting competitions as a part of the 54th Engineer's Day celebration .

Ozone Day 2021 - was celebrated at the campus onSeptember 16, 2021.

National Safety Day:51st National Safety Day was observed on March 4 2022 with the theme fsNurture young minds – Develop safety culture.

World Water Day:wascelebrated on 22.03.2022 ,coordinated by Toc H IIC, ie Department of Civil Engineering, ASCE Student chapter & IGBC Student Chapter.

National Technology DayToc H IIC and the Department of Information Technology jointly organized a talk on 'Integrated Approach in Science and Technology for a Sustainable Future on 11th May 2022 .

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.Promotion of Self-Improvement Courses - To build up competencies to use their skills, knowledge, time, and energy in a constructive way to maximize the accomplishments of students. The Departments organizes certificate and skill development courses to bridge the gap between the curriculum and requirements of industry sectors. Online certifications are encouraged by the institute through signing MoU with skill development centres like ASAP Kerala, DAIKIN etc.Students completed certifications of various courses in ASAP, MOOCetc.Certifications boosted the placement chances. Time constraints includeRural location and Tight academic schedule of students.

2. Neighbourhood Society Connect Phase IV-to develop better understanding of issues confronting the neighbourhood. Activities are:

- **Vist to MITHRAM Special School regarding planning and design of new block as part of community service.**
- **The Civil Engineering Department is entrusted with project which helps to rejuvenate the free flows in the various water bodies in panchayat.**
- **Projects were exhibitedin SkillDay at St. Ignatious Vocational Higher Secondary School,Kanjiramattom.**

Project 'Robotic Cot ROT'was selected among top 10 projects in National Level Project Competition – Shrishti 2020.

Social media platforms viz:facebook,instagram, whatsapp and online meetups helped to overcome the challenges related to resources requirement and reachability of activities.

File Description	Documents
Best practices in the Institutional website	https://tistcochin.edu.in/wp-content/uploads/2023/05/BEST-PRACTICES-2021-22.pdf
Any other relevant information	**Nil**

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

Holistic Approach towards Pragmatic Excellence

The institute offers blended learning programs ensuring holistic development,serving as an active growth driver for innovators and entrepreneurs.The Institution's Innovation Council(Toc H IIC) along with Innovation & Entrepreneurship Development Centre (IEDC) of TISTaims to streamline and strengthen the innovation and start-up ecosystem in the campus so that the students can develop the skill set which enables critical thinking, design thinking, innovative thought process and encourages an entrepreneurial mindset.In the context of professional education, Professional Associations play a vital role in showcasing to the students, the innovation, creativity and trends in the field of engineering and technology.TIST opens broad avenues to students, to get acquainted with the current pace of technological advancements through elegant Professional Associations like IEEE, CSI, ISTE, ISHRAE, IETE,ASCE, IIWT, KBAIC, SAE and IGBC.ASAP (Additional Skill Acquisition Programme) an MHRD and Govt of Kerala Initiative, addressing the skill gap of Engineering students launched Advanced Skill Development Centres(ASDC) initially in 19 Engineering colleges across the state.The institute is listed as an ASDC center and can roll out futuristic courses in association with ASAP. Hands on Trainings are also arranged under theDepartment Associations of each branch as part of association activities.

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

7.3.2 - Plan of action for the next academic year

- To apply for NBA accreditation for various branches.
- To sign up MoU with TIST MBA and Kelaniya University, SriLanka.
- To organize National and International Conferences on relevant areas of Engineering and Technology.
- To pursue local self govermnment inorder to widen the approach road between State Highway and TIST Campus.
- To enhance infrastructure facilities of TIST for IEDC and R & D.