



## YEARLY STATUS REPORT - 2021-2022

### Part A

#### Data of the Institution

##### 1.Name of the Institution

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY

- Name of the Head of the institution **Dr. Manoj George**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone no./Alternate phone no. **04842725272**
- Mobile no **9495949355**
- Registered e-mail **mail@fisat.ac.in**
- Alternate e-mail **mini@fisat.ac.in**
- Address **Hormis Nagar, Mekkannoor P.O,  
Angamaly, Ernakulam**
- City/Town **Angamaly**
- State/UT **Kerala**
- Pin Code **683577**

##### 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. Mini P R**
- Phone No. **04842725272**
- Alternate phone No. **04842725205**
- Mobile **9495949355**
- IQAC e-mail address **iqac@fisat.ac.in**
- Alternate Email address **mini@fisat.ac.in**

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

[https://fisat.ac.in/wp-content/uploads/2022/07/report\\_2020-21.pdf](https://fisat.ac.in/wp-content/uploads/2022/07/report_2020-21.pdf)

**4. Whether Academic Calendar prepared during the year?**

**Yes**

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

<https://fisat.ac.in/academic-calendar/>

**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.06</b>	<b>2016</b>	<b>05/11/2016</b>	<b>04/11/2021</b>

**6. Date of Establishment of IQAC**

**15/02/2017**

**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
CSE/ Ms.Hansa/ Ms.Chethana	Consultancy (External)	M3 Homes, Munnar	2021 July ( 6 months)	20,000/-
EEE / Ms.Surya Natarajan/ Ms . Muhamed Noufal C	FDP	KTU , Kerala	22-28 July 2021	1,92,000/-
ME / Dr.Rejeesh C R	FDP	KTU , Kerala	21-23 July 2021	43,000/-
CE / Dr.Asha Joseph/ Dr.Unnikartha G	FDP	KTU , Kerala	21 -26 June 2021	89,250/-
CE / Dr.Unnikartha	Consultancy (External)	M/S Associated Structural Consultants, Kochi	2022 Aug	1,18,000/-
CE / Dr.Unnikartha	Consultancy (External)	Anish Mathew Angamaly	2022 Oct	5000/-
MCA / Dr.Santhosk Kottam	Consultancy (Internal)	Software Cell, FISAT	2021 July (1 Year)	10,000/-
MCA / Dr.Santhosk Kottam	Consultancy (External)	Block Panchayath, Koduvally	2021 July (1 year 6 monhs)	25,000/-

**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** 4

- 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)**

Establishment of Gender Equity Cell Conducted workshops on Revised Accreditation Framework of NAAC Preparation of Self Study Report for 2nd cycle of accreditation Standardisation of report formats for activities Collection of report of activities and achievements of staff and students department wise on a monthly basis

**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
Preparation of SSR for NAAC Cycle 2 accreditation	IIQA Submitted in May 2022
Conduct 4 meetings	4 meetings conducted
Submission of AQAR for 2020-21	AQAR submitted
Establishment of Gender Equity Cell	Established Gender Equity Cell
Conduct Gender, Green, Energy and Environmental Audits	Conducted Gender, Green, Energy and Environmental Audits
Conduct workshops and audits on NAAC RAF	Conducted workshops and audits on NAAC RAF
Standardization of formats for reports of activities	Standard template prepared for activity reports and made available in FISAT Campus Automation Software
Conduct of ISO and KTU audits	ISO and KTU internal and external audits conducted
Collect feedback from stakeholders	Collection and analysis of feedback from stakeholders done

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

- Name of the statutory body

Name	Date of meeting(s)
Internal Governing Council	12/12/2022

**14. Whether institutional data submitted to AISHE**

**Part A****Data of the Institution**

<b>1.Name of the Institution</b>	<b>FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY</b>
• Name of the Head of the institution	<b>Dr. Manoj George</b>
• Designation	<b>Principal</b>
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• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://fisat.ac.in/academic-calendar/">https://fisat.ac.in/academic-calendar/</a>				
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<ul style="list-style-type: none"> <li>• Upload latest notification of formation of IQAC</li> </ul>	<a href="#">View File</a>



<b>9.No. of IQAC meetings held during the year</b>	4	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	Yes	
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**13. Whether the AQAR was placed before statutory body?**

Yes

- Name of the statutory body

Name	Date of meeting(s)
Internal Governing Council	12/12/2022

**14. Whether institutional data submitted to AISHE**

Year	Date of Submission
2020-21	10/01/2022

**15. Multidisciplinary / interdisciplinary**

The institution embraces the vision of the National Education Policy, which is to deliver high-quality education in order to

develop our country's human resources as global citizens. As an affiliated institution of APJ Abdul Kalam Technological University, minor programs and Honours are offered to equip students in multidisciplinary areas. The institution's research centers provide opportunities for students and faculty to carry out multidisciplinary/interdisciplinary research. Academic programmes provide Multidisciplinary/Interdisciplinary courses as electives, and students can choose electives from different departments. close attention is paid to the process of designing and implementing Add on Courses that have the interdisciplinary flair to create a cohesive and integrated approach to learning. The institution offers several co-curricular activities and research platforms that allow students and academic staff from different disciplinary backgrounds to engage in scholarly conversations around issues of shared interest and importance, while also exploring connections between their majors and other sources of knowledge and experience. Attention to the development of an interdisciplinary curriculum also focuses on out-of-class activities that include Hackathons, Ideathons, FABLAB activities etc.

Orientation programs have been conducted to familiarize the faculty members

#### **16.Academic bank of credits (ABC):**

As per the curriculum of the affiliating university, students are now able to earn credits in minor and honor programs on successful completion of the MOOC courses through SWAYAM, NPTEL, etc. Also, all UG students are able to earn activity points for the MOOC courses successfully completed. Being an affiliated institution, FISAT shall abide by the recommendations of the affiliating university in further activities toward the successful implementation of the Academic Bank of Credits.

#### **17.Skill development:**

In the first semester itself, the institution offers skill development courses as part of the curriculum of the affiliated university. Practical classes are conducted at the language lab as part of courses like life skills. Soft skill training is

provided to students, focusing on the development of abilities including communication, teamwork, problem-solving, and establishing a positive attitude. In order to provide students with skill development courses, the institution is also aiming to collaborate with the Additional Skill Acquisition Program (ASAP) of the Government of Kerala. Professional society chapters that are engaged in the institution are actively promoting programmes for the students' skill development. By integrating industry requirements into the curriculum, add-on courses help students get ready for the workforce when they graduate.

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

The institution gives Indian knowledge systems and culture a lot of importance. Every event and classes at the college starts with a prayer in the local language. Festivals like Onam and Ethnic Day are fervently observed to promote Indian culture. Indian art forms are performed during college-hosted arts events. Universal Human Values, Professional Ethics, and other similar ideas are introduced to students either as part of their courses or in other ways.

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

The institution follows outcome-based education, and in 2020, the National Board of Accreditation accredited five of its programmes. The college adheres to the affiliated university's curriculum. Using the Revised Blooms Taxonomy, faculty members define COs for courses COs have not yet been defined by the university. All evaluations are linked to the appropriate COs. The attainments of course outcomes are calculated once they are mapped to programme outcomes (PO) and programme specific outcomes (PSO). At the beginning of each semester and at the time of admission, teachers explain COs, POs, and PSOs to the students. Exit surveys from courses and programmes are undertaken and used to assess how well COs, POs, and PSOs are achieved

#### **20.Distance education/online education:**

The college does not currently offer any programme through distance learning. Every instructor now uses ICT for online learning and has embraced cutting-edge teaching-learning methodologies. Students and faculty members use MOODLE, LMS (FISAT EDX), video lectures, Google Classroom, and other ICT tools. Faculty members attend workshops on ICT enabled teaching learning. The institution encourages faculty and students to take advantage of the online learning opportunities provided by

the NPTEL and SWAYAM platforms.

## Extended Profile

### 1.Programme

1.1	478
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 2.Student

2.1	2745
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2	178
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.3	841
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 3.Academic

3.1	187
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Number of full time teachers during the year		
File Description		Documents
Data Template	<a href="#">View File</a>	
3.2		187
Number of sanctioned posts during the year		
File Description		Documents
Data Template	<a href="#">View File</a>	
<b>4.Institution</b>		
4.1		81
Total number of Classrooms and Seminar halls		
4.2		789.81
Total expenditure excluding salary during the year (INR in lakhs)		
4.3		930
Total number of computers on campus for academic purposes		
<b>Part B</b>		
<b>CURRICULAR ASPECTS</b>		
<b>1.1 - Curricular Planning and Implementation</b>		
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process		
<p>As an affiliated institution of APJ Abdul Kalam Technological University, FISAT ensures effective curriculum delivery through</p> <ul style="list-style-type: none"> <li>• Preparing institution calendar adhering to university regulations and university calendar</li> <li>• Implementing OBE, CBCS</li> <li>• Offering additional credentials like B Tech Honours and B Tech with Minor</li> <li>• Offering Add on programs</li> </ul>		

- planning and monitoring curriculum and course delivery through Academic Committees like Internal Quality Assurance Cell , Department Advisory Committee, Department Quality Assurance Cell, Program Assessment Committee, Course Assessment Committee and the Academic Council
- Faculty competency based subject allocation
- Centralised time table based on university guidelines
- Preparation of Course delivery plan by faculty and regularly updating records of course delivery, attendance, assessments etc
- ICT enabled teaching using content delivery platforms EDX called FISATX, virtual meeting tools like WEBEX & Google Meet and learning management systems like MOODLE & Google Classroom.
- Offering additional pedagogical initiatives like flipped classrooms, blended learning, hands-on training in different labs, industry projects and internships, etc
- Conducting Class committee meetings, collecting Feedback on curriculum, teaching, and course outcomes each semester and analyzing at institutional and departmental levels

Measuring curricular delivery, suggesting resolutions and documentation by internal and external audits at the level of IQAC, University (KTU Audit), and Certifying Agency (ISO Audit).

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://fisat.ac.in/college-calendar-and-handbook/">https://fisat.ac.in/college-calendar-and-handbook/</a>

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

- At the beginning of academic semester, an institutional

calendar is prepared based on the University academic calendar which details the academic, co-curricular and continuous internal evaluation activities to be followed at the departmental and institutional levels. Internal evaluation components include components like series tests, laboratory or project evaluations, seminars, assignments and module-specific tests. Academic Council decides the dates of the evaluative exams, question papers based on Bloom's taxonomy, answer key, scheme of valuation are prepared to maintain strict confidentiality as per the notified dates, Examination cell coordinates the conduct of the exam like setting a timetable, seating arrangement, invigilator duty, squad teams. Exam halls have surveillance systems and identity cards are mandatory for students' entry to the exam halls. After secure conduct of the exam, answer scripts are handed over to the faculty for completing evaluation within 7 days. The evaluated answer scripts are discussed with students and marks are updated in FISAT Campus Automation System with viewing access to students. Results are analyzed and remedial actions are discussed at the department level and by Academic Performance Monitoring Committee. Adherence to academic calendar including conduct of CIE monitored by internal audit cell, KTU external audit, internal and external ISO audits.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

**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**

A. All of the above



File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
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

15

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 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)

28

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

2542

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

Being an affiliated institution, all the programs offered by FISAT follow the curricula given by the University (KTU). Syllabi across courses at UG and PG levels integrate cross-cutting issues of professional Ethics, Gender, Human Values, Environment, and Sustainability as part of modules or as stand-alone subjects. These principles are practically disseminated through policy inclusion, co-curricular activities, and value-added programmes. Professional ethics is imparted through 26 courses in the curriculum and also instilled through Program outcomes and program-specific outcomes Awareness programs on Intellectual Property Rights etc are arranged. Gender issues are addressed through 7 courses, functioning of Gender Equity Cell, Women's Cell, active representation of women in the student community and workforce. Human values are dealt with in 14 courses, teachers attend Universal Human Values courses and handle human value classes for first-year students, NSS and SWAN clubs organize extension and social outreach programs. Environment and sustainability are dealt with in 23 courses. Nature club helps students to involve in agricultural activities and spreads awareness on Habitat conservation. The institution promotes the 5R themes of Refuse, Reduce, Reuse, Repurpose and Recycle policy through zero waste and no plastic drives, rainwater harvesting, scientific management of organic and non-biodegradable waste, and wastewater treatment.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	No File Uploaded

**1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year****245**

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
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	<a href="#">View File</a>
Institutional Data in Prescribed Format	<a href="#">View File</a>

**1.3.3 - Number of students undertaking project work/field work/ internships****1096**

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

**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	<a href="https://fisat.ac.in/igac/?py=89">https://fisat.ac.in/igac/?py=89</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 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	No File Uploaded
URL for feedback report	<a href="https://fisat.ac.in/igac/?py=89">https://fisat.ac.in/igac/?py=89</a>

### 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

889

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

##### 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

57

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 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

The induction Program for different courses helps the new students adjust to the new environment and inculcates the core values of the institution. Students are given Bridge Courses to reinforce fundamental concepts.

Identification of advanced and slow learners is done through analysis of any of these:

- Academic history of the student.
- Bridge Course Performance
- First Series Test
- Mentor Feedback
- Online quizzes
- classroom activities and assessment performance

Programs for Slow learners:

- Remedial classes for difficult subjects
- Sharing of Self-learning materials like recorded videos, question bank with solutions, etc.
- Training on communication skills
- Revision classes before university exams.
- Peer group systems and collaborative learning with help of advanced learners

- Merit cum means scholarships and financial aid to economically weak students
- Strong mentor support.

#### Programmes for Advanced Learners:

- Support to create smart devices through fabrication laboratory (FISAT FabLab).
- Membership of professional bodies (CSI, ASME, IEEE), training for software, languages, competitive exams like GATE.
- Financial support for research projects
- Mentorship for online courses in MOOC, NPTEL, and Coursera
- Training to use E-resources in INFLIBNET, N-List, DELNET
- Participation in national seminars, workshops, and paper publication in IEEE journals and Springer.
- Merit-based scholarships, prizes, and certificates to advanced learners.
- Participation in National and state-level intercollegiate competitions

File Description	Documents
Paste link for additional information	<a href="https://fisat.ac.in/campus-life/">https://fisat.ac.in/campus-life/</a>
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
2745	187

File Description	Documents
Any additional information	No File Uploaded

## 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

Through an ICT-enabled campus, IP-enabled library facilities, sophisticated tools and Learning Management Systems, teaching-learning in FISAT ensures active student involvement. Faculty adopt innovative teaching-learning methodologies and pedagogy tools to enhance the learning experiences.

Experiential learning activities through

- State of art laboratories and mini fabrication labs (FabLab)
- e-learning facilities including the NDLI club, digital library, e-books, e-journals, e-databases, NPTEL chapter, etc.
- Industry-powered centres like Centre for Robotics - eYantra,
- Field visits, industrial visits
- Funded projects, technical publications.
- Mini projects and design-based experiments beyond syllabus.
- Virtual games and board games to simulate real market scenarios.
- Apps and softwares developed by students to support e-Governance
- Computer assembling, system maintenance by students
- Community service and extension activities

Participative Learning through

- Flipped classrooms

- Mini, design and major projects
- Class presentations, participation in national, international conferences, seminars
- Field visits & industry visits
- Invited Lectures
- Interactive quizzes
- Think-pair-share
- Study circles
- Group discussions, debates, seminars
- Computer hardware assembling and maintenance by students
- Agricultural initiatives with student involvement.
- Project expos

#### Problem-solving through

- Workshops, laboratory experiments, case studies, hackathons, field/industrial projects.
- Internships, industry-based mini, major projects
- Peer learning, group tutorials, collaborative learning
- Research publications in Springer, IEEE.
- Brainstorming, Survivor Scenarios, Moral Dilemma Contexts, etc.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://fisat.ac.in/research/">https://fisat.ac.in/research/</a>



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

FISAT provides 400 Mbps internet leased line (1:1) and wi-fi. Internet can be accessed anywhere in the campus. A dedicated firewall is implemented. Wi-fi facility is available through Aruba HP Access Points.

Teaching & Learning pedagogical methodologies use ICT tools like projectors, smart boards, smart televisions and other online tools for the preparation of presentations and demonstrations and traditional black board teaching, powerpoint presentations, video lectures and collaborative learning methods using FISATX, MOODLE, Google Classrooms, flipped classrooms etc.,

- Online training and certification from NPTEL, Coursera etc.

FISAT is NPTEL Local Chapter faculty members mentor students

- National Digital Library of India Club (NDLI Club) supports all the e-resources such as e-Shiksha, e-books, e-journals etc. Online videos, CDs & DVDs, project and thesis reports are available in library. IP enabled digital library to access e-journals and transaction papers from IEEE, ASME, ASCE, EBSCO, J-GATE, SWAYAM, DSPACE, DELNET, and SPRINGER and remote access through e-Library platform (Knimbus). 'mLibrarymobile' app offers a multi-format, content delivery App available for both Android and iOS users to access eBook collections, e-Course materials, latest journal issues and multimedia learning content

- Language Lab in which audio-visual installation is used as an aid in English language teaching

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

**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	
139	
File Description	Documents
Upload, number of students enrolled and full time teachers on roll	No File Uploaded
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
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	
187	
File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
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	
File Description	Documents
Any additional information	No File Uploaded
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)	<a href="#">View File</a>

### 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

1774

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

### 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 institution follows the guidelines given by the affiliated university (KTU) for the conduct and evaluation of internal assessment tests. Two series tests are conducted centrally by examination cell. The other components of internal assessment include assignment and attendance.

As per the regulations of university, 50 marks out of total marks of 150 is allotted for internal assessment

- The first series exams are conducted after 4-5 weeks and second series exams after 8-9 weeks of commencement of classes as per the timetable issued by exam cell
- Question paper, answer key, evaluation scheme based on COs, Bloom's Taxonomy prepared by the faculty member is verified by Course Assessment Committee, approved by HoD and handed to exam cell maintaining confidentiality . Conduct of exams is monitored by CCTVs
- The evaluated answer sheets are discussed and verified by students within 7 days after the exam.Mark entry is done in FISAT Campus Automation System and progress report is despatched to parents.
- Class committee meeting, Academic Performance Monitoring Committee meetings are conducted to analyse the results and suggesting remedial measures.

- Open house and PTA meetings are conducted
- Regular audits by internal audit cell, KTU external audit and ISO audit.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The institution has a multi-tier mechanism to address all examination and evaluation-related grievances arising during CIE and university exams respectively as per the Examination Grievance Policy.

#### Institution Level

- The evaluation of internal assessment books is completed in seven days.
- The valued answersheets are distributed in the class and discussed with the students. Grievances in valuation are immediately redressed by the faculty in charge and if not resolved satisfactorily, it is taken up at the departmental level by Group advisor and HoD.
- The grievances which are not resolved at this level are redressed by an institution level committee with the Principal as Chairman, HOD and Academic Performance Monitoring Committee (APMC) members.

Aprogress report of internal examination marks is given to the parents in the open house and through the FISAT Campus Automation System

#### University Examination

- For university examinations, grievances can be represented to the examination committee in charge and also through online Students' Grievances Portal. The institution addresses these complaints at the institution level and informs the university if required.

• Instances of malpractices in university examinations, are reported to the university and dealt with as per university guidelines existing from time to time

File Description	Documents
Any additional information	<a href="#">View File</a>
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 programme outcome (PO), programme specific outcome (PSO) and course outcomes (CO) of all programmes and courses are made available through
- Print media (Student Handbook and Calendar, College and Department Newsletters, Course Diary and Lab Manuals)
- Digital media (Institution's website and Academic Portal)
- The IQAC has made POs, PSOs, and COs part of the course file.
- POs, PSOs and COs are well displayed on the website.
- POs and PSOs are displayed on the Department Notice Boards, laboratories of the college, Faculty rooms, HoD cabin, Department library and Classroom.
- The Head of the Department and the group advisors explain various programme outcomes to students right from the induction meeting.
- Faculty members handling courses explain course outcomes and relate it to POs and PSOs and also explain the pattern of questions in the internal question papers and its connection with the course outcomes.
- Each department has published a booklet for POs, PSOs and COs and its soft copy is made available to the students

through FISATX and FISAT Campus Automation System.

- Student Handbook and Calendar, College and Department Newsletters having POs/PSOs and COs are disseminated to stakeholders through Open House, PTA meetings, Alumni meets, Workshops, Conference, Seminars/Webinars and FDPs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://fisat.ac.in/department/civil-engineering/?py=17">https://fisat.ac.in/department/civil-engineering/?py=17</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

- COs are evaluated each semester and POs and PSOs every year.
- Achievement of POs & PSOs is computed for each programme considering all COs aligning with each PO & PSO and their individual strength.
- Achievement of POs are determined by comparing with prefixed targets

Measurement is done by direct and indirect assessment tools like:

For COs,

(1). Direct Assessment Tools:

- Theory courses:

1. Internal Evaluation Test,
2. Assignments, Tutorials.

- Practical courses

Observation, Record work of experiments

Viva-Voce

End-Semester Examination

- Course projects

Design Project/ Project review, presentation.

2) Indirect Assessment Tools

Course end survey

3) University Examinations

Attainment of CO of all courses against set attainment levels

CO calculation

Target calculation for CO: based on average performance of students in university examinations for consecutive three years and includes 2 parameters

1. Expected Proficiency/Knowledge (EP): average grade secured by at least 50% of total students in last three years.

2. Expected Attainment (EA): average attainment of previous three years multiplied by 1.05 ( 5% rise every year).

CO attainment calculation

Direct-method:40%

University 50%

Indirect-method:10%

PO and PSO assessment:

1. Direct methods: 80% weightage

Internal, practical and university examinations, assignments, project evaluation, comprehensive viva, seminar

## 2. Indirect methods: 20% weightage

### Program Exit Feedback

### Alumni Survey

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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

624

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="https://accreditation.fisat.ac.in/aqar/2021-22/Cr2/263/FISATAnnualReport2021-22.pdf">https://accreditation.fisat.ac.in/aqar/2021-22/Cr2/263/FISATAnnualReport2021-22.pdf</a>

## 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://fisat.ac.in/iqac/?py=12>

## 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)****2.43**

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**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**

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

**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****5**

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://ktu.edu.in/home.htm">https://ktu.edu.in/home.htm</a>

**3.2 - Innovation Ecosystem**

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

Various clubs/cells/centres fosters the culture of innovation inside the campus.

- Innovation Entrepreneurship Development Cell (IEDC): flagship initiative of Kerala Startup Mission to promote innovation and entrepreneurial culture

- Institution Innovation Council (IIC): exposes young professionals to new ideas and processes:

- Federal Labz (Incubation Centre): provide necessary guidance, tech support, infrastructure, networking

FISAT FabLab: small-scale workshop offering digital fabrication facilities

- Centre for High Performance Computing (CHPC) aims at building a supercomputing lab working at several gigaflops speed
- FFSC - FISAT Free Software Cell dedicated to promoting, development of free software
- Centre for Research and Innovations in Signal Processing (CRISP): supports DSP projects, DSP Research & Development.
- Centre of Excellence on Robotics and IoT: nodal centre for Project eYantra by IIT Mumbai and eLSI lab. Research areas: Robotics, IoT, AI, ML, Sensor Fusion.
- Instrumentation Research and Consultancy Centre (IRACC): conducts various research activities in the field of applied sciences and Instrumentation.
- Centre for Advanced Research in Power Converters (CARPC): aims at developing efficient, high-performance power converters and controllers
- Centre for Automotive and Allied Research (CAAR): provides state of the art research, testing facilities in automobile field
- Centre for Advanced Computational Research (CACR): supports enhanced learning in Structural analysis and Computational Fluid Dynamics

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fisat.ac.in/research/">https://fisat.ac.in/research/</a>

### 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

7

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 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

5

File Description	Documents
URL to the research page on HEI website	<a href="https://fisat.ac.in/college-research-cell/">https://fisat.ac.in/college-research-cell/</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 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

20

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 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

54

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 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 institution has initiated various extension and outreach activities for the neighborhood community. The major activities include

- a. 'A Day to Remember' - Organised by the NSS Unit FISAT, where differently-abled children were given a platform to present their talents.
- b. 'Anti-drug Campaign' - NSS Unit, FISAT organised a human chain on November 1st, 2022, in collaboration with Mookkannoor Grama Panchayath to spread awareness against drugs in society.
- c. 'Jeevani' - Blood donation camp organised by NSS Unit, FISAT on October 21, 2022.
- d. 'Padheyam' - Scheme on monthly grocery distribution to the poor and needy in Angamaly by the NSS unit, FISAT. The scheme was inaugurated on 17th October 2022.

e. Inauguration of Ernakulam District Level Anti-Drug Awareness Activities by Dr. R. BINDU, Minister for Higher Education on 29th September 2022, Thursday, 2:30 PM at FISAT .Atwo Wheeler Rally to Mookkannoor was organised by the students of FISAT.

f. As per the MoU with FISAT and the Indian Sign Language research centre, the students of CSE led by Paul Elias Sojan developed a Sign language app. It is released by the Central Minister of Social Justice today (Sign Language Day) in Delhi on September 23rd, 2022.

File Description	Documents
Paste link for additional information	<a href="https://fisat.ac.in/clubs-cells-and-associations/">https://fisat.ac.in/clubs-cells-and-associations/</a>
Upload any additional information	<a href="#">View File</a>

### 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

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

### 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

16

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

### 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

2127

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 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

28

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

**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**

18

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

**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.

The Institution has a well-maintained lush green campus with an area of 32.14 acres and total built-up area of 55838.1 sq. m facilitated for teaching and learning, which include spacious classrooms, tutorial rooms, drawing halls, seminar halls with ICT facilities, auditorium, conference room, boardroom, recreational rooms, 1094 computing systems, smart boards, LCD projectors, LED TVs, Media Lab with e-content development facilities., Wi-Fi access points and internet lease line facility higher than 400 Mbps to enable high-speed network connectivity, laboratories, and workshops.

The institution has central library, department libraries, print and e-journals, NDLI club membership, digital library, Knimbus, m-library mobile app, reprographic facilities, central computing facility consisting of nine labs with 500 Computers all with Intel Core i5 / Core i3 Processors / 4GB RAM/ 8 GB RAM/18.5" TFT Monitor, Debian GNU Linux and Ubuntu Operating Systems.

Affordable and quality residential accommodation to 1200 students

on campus.

24x7 electricity & water, Wi-Fi, laundry facility, regular upkeep and cleaning, healthy food, ambulance, medical clinic.

Canteen provides healthy meals.

Transport fleet consists of 30 buses to provide safe transportation to students

A branch of Federal Bank located very close to the institution and an ATM within the campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fisat.ac.in/facility/facilities/">https://fisat.ac.in/facility/facilities/</a>

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

Institution provides adequate facilities for holistic development of students. Two multipurpose open air stages in two courtyards at the north and south block are available for conducting cultural activities like programs teasers, flash mobs, street plays, dramas, mimes etc.

Four spacious halls with audio visual aids, lighting and other facilities for conducting programs like intra collegiate and intercollegiate technical and cultural fests

Sports facilities:

Separate Fitness Centres for boys and girls with area of 5000 Sq. Mt.

Football ground with an area of 90 Mts X 45 Mts

Handball court with 40Mts X 20 Mts

Kho kho Court are of 30mts X 20 mts



Kabaddi court area of 15mts X 15 Mts

Cricket Field (Oval) comprises of 130 Mts X 120 Mts

2 cricket net practice facility with area of 4 Mts X 24 Mts.

Table Tennis Room comprises 2 Table tennis Tables with area of 1500 Sq. Mt.

2 volleyball courts (1 Acrylic & 1 Natural turf) covering 1065 Sq. Mt.

1 Acrylic basketball courts covering 704 Sq. Mt.

4 badminton courts covering 4400 Sq. Mt.

Jogging tracks

Fitness center with Full-time trainers

Full-time physical education faculty, Part-time Coaches in Football, Cricket, Basketball, Volleyball

Trained yoga trainers

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fisat.ac.in/facility/">https://fisat.ac.in/facility/</a>

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

81

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 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)

35.67

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

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

The institution has a fully automated Main Library covering a total area of 2054.34 sqm with modern software and an OPAC system, providing excellent learning resources, catering to the needs of students, faculty, and researchers along with nine department libraries. A repository of learning materials of NPTEL and access to various journals from 5002 libraries in South Asia through DELNET is available.

The institution has RFID-enabled library circulation and Web OPAC (Online Searching facility for students and teachers) along with barcoded books and smart card-enabled library transactions. Using Online Public Access Catalogue (OPAC) library users reserve books, check attendance, university and internal exam marks, syllabus, etc. Previous university question papers are available through the

digital library.

The library procures and ensures effective use of latest hard/soft copies of books, journals, documents, reports, and other learning resources. It has National Digital Library Club (NDLI Club) membership

Provides access to online databases of IEEE, ASME, ASCE, Elsevier Science Direct, EBSCOHost, SWAYAM Engineering, DSPACE, DELNET, NDLI and EBSCO e-books

e-Library platform (Knimbus) helps access digital library facilities (E-Journals and Ebooks) from anywhere.

The Mobile eLibrary App 'mLibrary' offers a multi-format, content delivery app to access eBooks, latest journals, and multimedia learning content remotely.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://fisat.ac.in/library/">https://fisat.ac.in/library/</a>

**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	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**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)**

35.023

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)	<a href="#">View File</a>

#### 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

207

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

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

FISAT provides state-of-the-art IT infrastructure comprising computing equipment, server, software, and internet facilities.

- Fast browsing facilitated through High speed internet facility through 200mbps (Airtel), 200mbps (BSNL)
- Internet can be accessed anywhere on campus including OPAC enabling web-based learning. Wi-Fi facility is also available through Aruba HP Access Points.
- FISAT Campus Automation System developed in-house satisfies the demands of Campus in the areas of Academic, Accounts, Fee Module, HRM and Intranet.
- Licensed and open-source software available for student academic requirements
- Fortinet-200e Enterprise Firewall Solution delivers end-to-end network security

- 1094 computers connected with Wi- Fi/LAN
- 8 dedicated servers exclusively for library and labs

KOHA software with cloud server facility for automation of library.

- E-learning support in Digital library with 51 computers.
- Remote access of digital resources in library using mLibrary app and Knimbus
- Multimedia center with state-of-the-art facilities.
- Bulk SMS service to communicate with parents and stakeholders.
- Availability of Learning Management Systems like edX, Moodle, Gsuit, Webex, AWS
- Biometric devices & security systems with CCTV camera surveillance.
- Autonomous research centre in cluster computing using free and open-source technologies and computing resources using indigenously built high-performance computers - Dhakshina, The institution has an online complaint tracking system URL: <http://support.fisat.edu>.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://fisat.ac.in/facility/it-infrastructure/">https://fisat.ac.in/facility/it-infrastructure/</a>

#### 4.3.2 - Number of Computers

930

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

<b>4.3.3 - Bandwidth of internet connection in the Institution</b>	<b>A. ? 50MBPS</b>								
<table border="1"> <thead> <tr> <th data-bbox="86 277 529 340">File Description</th> <th data-bbox="529 277 1436 340">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 340 529 443">Upload any additional Information</td> <td data-bbox="529 340 1436 443" style="text-align: center;"><b>No File Uploaded</b></td> </tr> <tr> <td data-bbox="86 443 529 577">Details of available bandwidth of internet connection in the Institution</td> <td data-bbox="529 443 1436 577" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>	File Description	Documents	Upload any additional Information	<b>No File Uploaded</b>	Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>			
File Description	Documents								
Upload any additional Information	<b>No File Uploaded</b>								
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>								
<b>4.4 - Maintenance of Campus Infrastructure</b>									
<b>4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)</b>									
<b>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)</b>									
<table border="1"> <thead> <tr> <th data-bbox="86 972 529 1034">File Description</th> <th data-bbox="529 972 1436 1034">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1034 529 1137">Upload any additional information</td> <td data-bbox="529 1034 1436 1137" style="text-align: center;"><b>No File Uploaded</b></td> </tr> <tr> <td data-bbox="86 1137 529 1205">Audited statements of accounts</td> <td data-bbox="529 1137 1436 1205" style="text-align: center;"><a href="#">View File</a></td> </tr> <tr> <td data-bbox="86 1205 529 1375">Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)</td> <td data-bbox="529 1205 1436 1375" style="text-align: center;"><b>No File Uploaded</b></td> </tr> </tbody> </table>	File Description	Documents	Upload any additional information	<b>No File Uploaded</b>	Audited statements of accounts	<a href="#">View File</a>	Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<b>No File Uploaded</b>	
File Description	Documents								
Upload any additional information	<b>No File Uploaded</b>								
Audited statements of accounts	<a href="#">View File</a>								
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<b>No File Uploaded</b>								
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.									
<p>The institution has established systems, procedures, and manpower for the maintenance of physical, academic and support facilities. Stock and maintenance registers are kept. UPS and maintenance of equipment like generators, general lighting, power distribution system, solar panels, STP, workshops, etc are assigned to specific teams. Annual maintenance contracts signed for Generator, Elevator, Air Conditioners, CCTV cameras, and Water purifiers. Cleaning of classrooms and laboratories assigned to the housekeeping staff. Hazardous materials and concentrated acids in labs are kept safely. Safety is ensured through goggles, masks, first aid kits, and fire extinguishers. Computer labs are climate-controlled. Antivirus software and Cyberoam firewall provide security. The support team regularly maintains and calibrates</p>									

equipment and computers. ICT-enabled systems are given AMC. Projectors, computers, printers, photocopiers etc are serviced and reused. Wi-Fi is maintained by service providers like BSNL and Airtel. The website committee maintains Institution's website.

Library books are marked, classified and positioned for easy retrieval using KOHA and checked periodically for damages.

Sports equipment, gymnasium, playground, etc are supervised and maintained by the Physical Education department. Ground leveling and other repairs are done annually.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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

317

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
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)	<a href="#">View File</a>

#### 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**

797

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**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	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

695

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

695



File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

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

**A. All of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## **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**

**392**

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

## 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

57

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of student progression to higher education	<a href="#">View File</a>

## 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

48

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

## 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.**

10

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
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)	<a href="#">View File</a>

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 representation and engagement at FISAT involves the active contribution of students in decision-making by representations in the various organisations, committees and cells in the college.

The institution has an apex student body called Student Council, democratically elected every year as per the norms of the university.

The students contribute towards the decision-making process and participate in institution building as stakeholders through the following bodies:

IQAC, Sports Council, Anti-Ragging Cell, Internal Complaints Committee, Department Advisory Committee, Internal Complaints Committee, Library Advisory Committee, Hostel Committee, Class Committee, Placement and Training Cell, Student Welfare Committee and Women Cell.

FISAT extensively supports student involvement and ensures active stakeholder participation through professional societies and cells.

Professional Societies include IEEE, ASME, SAE, ISHRAE, ISTE, ACM,

CSI, ASCE, ICI, ISA, IEDC, KBAIC, and ASAP.

Department Cells include ELECTRA, FIESTA, IDEA, THYRA, SAME, ACE, ECHO, FCS, FFSC, and FORUM.

Technical Cells include SPARC, IEDC, IIC, SDC Club, ETWC Club, Energy Audit Cell, Hobby Club, Maths club, and NDLI Club.

Arts, Literary and Social Outreach Cells include the Arts club, Sports club, Rolling Stone Literary Club, NSS, and SWAN Nature Club.

Student contribution and representation is encouraged in 2 research cells viz., CRC and CCRC and institution and department newsletter publications

File Description	Documents
Paste link for additional information	<a href="https://fisat.ac.in/student-council/">https://fisat.ac.in/student-council/</a>
Upload any additional information	<a href="#">View File</a>

### 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

131

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

### 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

FISAT considers our alumni as the torchbearers of the institution. The alumni association of FISAT called FISTAA contributes significantly to the development of the institution through financial and other support services. The Alumni Association of FISAT has regularly conducted alumni meetings to reconnect with alumni and celebrate their achievements and success. Alumni contribute to the development of their junior students by giving technical talks, and webinars, on topics related to the latest trends in the industry and sharing their experiences in reaching their goals. Alumni also give share their experience in utilizing higher education opportunities in India and abroad. Alumni are appointed as members of various institutional bodies like IQAC, department advisory boards, evaluators in project exhibitions, judges and resource persons in technical and management fest, etc. Alumni also make generous contributions to help students and staff members requiring costly emergency medical treatments. Alumni also contribute to the curriculum design process and also help to mentor students' projects in the start-up and incubation centre. Alumni also help with preparing pre-final and final-year students for placement by conducting mock technical and personal interviews, and group discussions using Skype, WhatsApp, etc. Periodic feedback on the curriculum is given by the alumni.

File Description	Documents
Paste link for additional information	<a href="https://fisat.ac.in/alumni/">https://fisat.ac.in/alumni/</a>
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

A. ? 5Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 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

Yes.

FISAT was established in 2002, by the Federal Bank Officers Association as a professional institution focussed on excellence. Managed by a trade union on a 'not-for-profit basis', the resources and profits generated in the institution are ploughed back for the betterment of the staff and students of FISAT.

#### Vision

- To become a world-class professional institute with a focus on excellence, moulding committed global professionals and technocrats who can meet the demands of business, industry, and research.

#### Mission

- To transform into an advanced centre of technical education, which will, in turn, bring out professionals with superior skills and social commitment.
- To provide state-of-the-art facilities to mould brilliant young talents, enabling them to take up challenging assignments in the highly competitive global scenario.

FISAT's strong leadership executed through well-defined systems and organizational structure

#### Governing Body

- Apex statutory decision-making body headed by the Chairman to look after the overall development of the institution

#### Internal Governing Council

- Headed by the Principal, the Internal Governing Council comprises Vice Principal, Dean - Academics, Administrative Officers and other nominated members.

#### Academic Council

- Governs the academic functioning of the Institution.

#### IQAC

- Initiates, plans and supervises various activities that are necessary to increase the quality of the education imparted by the institution.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Yes, Ever since the inception of the institution, the administration is carried out effectively through a decentralized mechanism. This inclusive and participatory approach promotes an environment of solidarity and mutual respect which ensures the smooth functioning and growth of the institution.

- The Management Committee of FISAT as the apex body of the institution formulates the overall policies for the institution.
- The Academic Council oversees the implementation of policies and day-to-day activities.
- Functional autonomy is given to the Heads of the Departments and they are authorized to independently conduct the day-to-day functioning of their department in consultation with the faculty members.
- The staff members of the institution participate in the decision-making by expressing their opinions and concerns in the general staff council meetings and through various committees.
- Participation of students is ensured in the governance of the institution through the student council and various clubs and associations.
- Recommendations and suggestions are invited from the stakeholders before the policy formulations. Staff Meetings, Students Council Meetings, IQAC Meetings, PTA meetings, and

Alumni Meetings are conducted to pool opinions and proposals.

File Description	Documents
Paste link for additional information	<a href="https://fisat.ac.in/academics/">https://fisat.ac.in/academics/</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Yes, The institution strives to provide quality and inclusive education with the help of its stakeholders through effectively deployed strategic / perspective plans.

The IQAC in consultation with the academic council formulated a strategic plan for the period.

The short-term goals are classified into major goals mainly: Admissions & Selection, Teaching - Learning System, Faculty excellence, Student outcome and Infrastructure & e-Governance.

The strategic long-term plan of the institution 2016-2030 strives for achieving the aspiration of becoming a Centre for Excellence by 2030.

The institution has a well-drafted strategic plan "Aspirations 2030" which lays out the short-term and long-term plans of the institution.

As envisioned in the plan, the institution has taken steps to develop software and programmes to facilitate an automated and self-reliant Management Information Systems. An expert committee has been formed to monitor the implementation of the system.

The institution has also set up committees to enhance the infrastructure facilities with a vision to introduce new courses and improve the academic-industry linkages through research, consultancy and projects. The combined effort of the stakeholders and the clear vision and plan of the management help the



institution to achieve the plans and goals.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://fisat.ac.in/igac/?py=137">https://fisat.ac.in/igac/?py=137</a>
Upload any additional information	<a href="#">View File</a>

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 has well-defined procedures and policies for recruitment and promotion. The appointment and service rules for teaching and non-teaching staff are well laid down in the HR policy document.

The Managing Committee: The institution has a well-functioning organizational structure managed and administered by the FBOAES.

#### Governing Body

As per the guidelines of AICTE, the Governing Body was formed by including Members from Managing Committee, Officials of the College, Experts in Technology/Education,

Representatives of University, State Government and AICTE. The Governing Body prepares, provides, and revises the functioning of various committees in administering the institution.

#### Internal Governing Council

The Managing Committee is the apex body with regard to the matters in policy making. It also sets a framework for the implementation of the proposed plans. It recommends strategic plans that can be adopted in matters like infrastructural development, enhancement of quality in academics, promotion of research, welfare measures for staff and students and healthy practices.

Principal: The principal who is the executive head of the institution is entrusted with the responsibility of managing the day-to-day affairs of the institution.

IQAC initiates quality enhancement and sustenance measures for the improvement of teaching, learning and assessment practices of the institution.

Academic Council takes appropriate measures for the implementation of the strategic plan. It also takes major decisions regarding the day-to-day administrative and academic affairs of the institution.

**Committees and Cells:** The administration of the institution is supported by a number of committees and cells

File Description	Documents
Paste link for additional information	<a href="https://fisat.ac.in/governing-body/">https://fisat.ac.in/governing-body/</a>
Link to Organogram of the institution webpage	<a href="https://fisat.ac.in/organogram/">https://fisat.ac.in/organogram/</a>
Upload any additional information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### **6.3 - Faculty Empowerment Strategies**

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

#### **Pension**

The Management has introduced contributory pension for the entire staff on 2019 January.

### Mediclaim

Medical Insurance coverage is provided for the staff and family members with a coverage of 3 lakhs rupees.

### Accident Insurance

Contributory life insurance scheme for the entire staff with an assured amount of 25 to 40 Lakh rupees.

### Staff Recreation Activities and Gifts

The Management sponsors events like yearly staff tour, family get-together, Teachers Day, Institution Day, Sport Day, Cultural fests etc. Gifts are given to the staff members on Onam, New Year and Institution Day.

### Vaccination drive

Free COVID vaccination is provided to all the staff members in collaboration with Apollo Hospital.

### Extraordinary Relief Measures

The Management takes extraordinary relief measures including rebuilding houses for staff members which were destroyed during the flood.

### Other Employee Benefits

An interest-free loan to purchase laptops. Free in-house medical consultation facility on every Thursday. The agricultural products harvested from the institution are provided at extremely subsidised rates.

### Sponsorship

Financial assistance is given to teaching staff for attending conferences and training in India and abroad.

### Welfare Measures for Kith and Kin of the Staff Members

The Management provides free or subsidised education for the children of deserving staff members.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### **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**

15

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)	<a href="#">View File</a>

### **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**

7

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	<a href="#">View File</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 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

81

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	<a href="#">View File</a>
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

A self-appraisal will serve as a reflection of the faculty member's performance and facilitates a means for continuous improvement in one's career. The self-appraisal form, called the Academic Performance Indicator (API) is filled up by all teaching

staff in the month of June every year. Academic Performance (API) is a measure, indicating the overall performance of a faculty member mainly in three categories.

Category I: Teaching, Learning and Evaluation-Related Activities

Category II: Co-Curricular, Extension and Professional Development Related Activities.

Category-III: Research and Academic Contributions

The individual faculty member has to award his/her self-assessment score for each of the items based on objectively verifiable criteria wherever possible. Supporting documents are attached, as required. The score awarded has to be verified by the HoD and will be finalized by the Principal/Chairman, after assessing the faculty through the interaction with the management team, with all originals, of the certificates. The best teacher award and best non-teaching staff award are presented every year so as to motivate and inspire all.

Non-Teaching staff: The Non-teaching staff fills up a proforma for increment which is then submitted to the concerned Section in-Charge. After adding the Section Head's remarks on the performance of the non-teaching staff for the last year, the form is endorsed by the Principal and submitted to the management.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 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

FISAT believes in creating and maintaining a sound financial and accounting system for safeguarding the interest of stakeholders, by inculcating an efficient mechanism to administer the financial system. The finance committee convenes meetings on need-based/at periodic intervals to discuss and deliberate on finance

management. The accounts relating to the previous year are carefully scrutinized prior to the preparation of the financial budget for the next financial year.

(i) Internal Audit - Internal auditors are appointed by the Management Committee and the term of service for the auditors is one year. Internal auditors perform audits on a monthly basis. They check the documents and close the previous month's transactions after verification. A consolidated monthly statement of revenue and expenses is prepared and submitted to the management.

(ii) External Audit (Statutory) - The institution conducts statutory external audits after the close of the financial year. The external financial audit is done by an experienced Chartered Accountant who is appointed for a tenure of two years by the Management after getting approval in the Annual General Body Meeting. The external auditor examines the Books of accounts to formulate a fair opinion of whether the institution keeps proper books of accounts. The audited financial statements are published on the institution's website.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

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

0

File Description	Documents
Annual statements of accounts	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)	<a href="#">View File</a>

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

The Principal asks the Accounts Department to consolidate the budgets submitted by the departments and cells and submit them to the Management Committee for approval and allocation of funds. The budget allocation is made for a specific financial year and it is utilized during the same financial year itself. In the case of infrastructure projects, fund utilization happens over a longer term.

## Sources of Funds

The institution funds its endeavours through a combination of:

**Earned Income** - The main source of the earned income of the institution is the fees collected. The hostel fee also becomes a major part of the funds earned.

**Funds Raised** - Funds are also mobilized by the institution for various activities. Funds received as sponsorship for various student activities, consultancy services, faculty development programmes, workshops and seminars conducted by departments. Alumni contribution is also a fund-raising strategy. On holidays the institution building/computer lab is rented out to government and public sector agencies for the conduct of various programmes and examinations.

**Grants Received from Government and Non-Government Agencies** - The faculty members and different cells of the institution receive grants for research and innovation under various schemes of Government and Non-Government agencies.

**Utilization** - All the funds received are routed through the accounts of the institution so that the funds mobilised are employed for the purpose for which it was mobilized. The salary of the staff is disbursed through the Federal Bank.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System



6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC of FISAT has taken post-accreditation quality assurance measures that are integrated with the institution's system to attain the goals of quality improvement and sustenance. IQAC ensures consistent, conscious, and catalytic improvement in the academic, non-academic, and overall performance of the institution. IQAC at FISAT is a facilitative and participative unit that works with faculty members to come up with the best teaching methods. The various quality assurance strategies and processes initiated and implemented by IQAC include setting up quality benchmarks and parameters for different academic, operational, and administrative activities, promoting a participatory teaching-learning process, encouraging feedback from students, parents, and other stakeholders regarding quality-related processes in institutions, documenting various quality improvement programs and activities, conducting inter and intra-institutional workshops and seminars to discuss quality education, maintaining an institutional database, etc.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

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 as follows

#### Clear Education Practices

IQAC has laid out clear education practices for the institution which are planned and executed efficiently through the participation of various stakeholders.

#### Internalization of Quality Culture

IQAC conducts several workshops and audits to help the staff and students to continuously perform.

#### Coordination Among Departments

IQAC facilitates interdepartmental collaborations in academics, research and co-curricular activities. Also, frequent assessment and feedback from stakeholders eliminate any communication gap that can hamper the education processes.

#### Better Institutional Functioning

A greater level of performance assessment and workflow transparency is ensured by the IQAC that provides a strong foundation for better decision-making and smooth institutional functioning.

#### Organised Documentation

IQAC enables faculty members to create authentic documentation and maintain proper records in case they are required for future references.

#### Focus on Research & Development

IQAC takes necessary measures to motivate faculty members to focus on research & development as well. This includes application for funding, research centres, projects and consultancy work etc.

#### Greater Transparency

The IQAC team verifies all the evidence, documents, and records from time to time.

#### Professional Activities

To help students improve their academic and non-academic skills, the IQAC committee conducts regular lectures and programs of professional leaders and experts from different fields.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

<b>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)</b>	<b>A. All of the above</b>
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File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://fisat.ac.in/iqac/?py=143">https://fisat.ac.in/iqac/?py=143</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## 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

Being affiliated with KTU, the institution offers a wide range of courses for UG and PG programmes that address gender equity and sensitisation. Apart from this, the institution has a Gender Equity Cell. The institution also has Women's Cell, Anti-Ragging Committee and Internal Complaints Committee which prepare students to have an inclusive attitude in society, be aware of their social and civic responsibilities and be sensitive to gender issues with zero tolerance towards sexual harassment.

The major activities to promote gender sensitivity and equity include

- Sports and physical training infrastructure in boys and girls hostel
- Male and Female trainer for sports and physical fitness
- Personality development and Self - defence classes for girls

- Women entrepreneurship activities
- A well-qualified female clinical psychologist is appointed for ensuring the mental well-being of students
- Colloquy and seminars on Women Empowerment, Welfare Laws, Consumer Protection Laws, Cyber Security, Anti-Narcotics and Child Welfare
- Fire safety trainings and other safety awareness training programs are organized for staff and student of both the gender
- Common room facility is provided for boys and girls.
- Dietician is appointed in boys' and girls' hostel to ensure the quality of diet.
- Sick room with first aid kits and four beds is arranged at the ground floor of North block. Wheel chair facility is also available
- Special toilets are also available for differently abled students
- Gender audit is conducted and policies and processes are updated based on the audit report

File Description	Documents
Annual gender sensitization action plan	<a href="https://accreditation.fisat.ac.in/aqar/2021-22/Cr7/711/Gender_Sensitisation_Plan(21-22).pdf">https://accreditation.fisat.ac.in/aqar/2021-22/Cr7/711/Gender_Sensitisation_Plan(21-22).pdf</a>
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 href="https://fisat.ac.in/facility/hostel/">https://fisat.ac.in/facility/hostel/</a>

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

**A. 4 or All of the above**

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

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The institution has established an integrated sustainable waste management approach that minimizes waste production and provides economic benefits through scientific waste management.

### Solid Waste Management

- Separate colour coded bins for different types of wastes are placed throughout the campus at important vantage points for proper collection and segregation of wastes. This prevents any intermixing of wastes and is beneficial in utilization and recovery of components through sustainable waste management.
- The use of single use plastic is strictly banned within the campus. The institution follows green protocol for all its official and public meetings, seminars and conferences. The institution has established a plastic free zone around the campus.
- Plastic bottles are collected by the students and recycled by using as planters in our garden or recycled.

### Liquid Waste Management

- The institution has installed a sewage treatment plant to manage liquid waste.
- Liquid waste from various sources is treated with bleach and decontaminated prior to discharge.

**Bio-Medical Waste Management**

- Red coloured bins are kept at the toilets and various locations to collect the used masks, cotton, sanitary pads and any other bio-medical waste.

**E-Waste Management**

- A minimal e-waste generation is ensured by optimal and periodic maintenance of computers and other electronic peripherals.

**Waste Recycling System**

- The institution generates over 150 kg of solid and semi-solid waste, in the form of left-over food and remains of vegetables and fruits. The same is used for generating electricity and fuel through biogas plants.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

**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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b>  <b>1.Restricted entry of automobiles</b> <b>2.Use of bicycles/ Battery-powered vehicles</b> <b>3.Pedestrian-friendly pathways</b> <b>4.Ban on use of plastic</b> <b>5.Landscaping</b>	<b>A. Any 4 or All of the above</b>
<b>File Description</b>	<b>Documents</b>
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>
<b>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</b>	
<b>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>	<b>A. Any 4 or all of the above</b>
<b>File Description</b>	<b>Documents</b>
Reports on environment and energy audits submitted by the auditing agency	<b>No File Uploaded</b>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<b>No File Uploaded</b>
Any other relevant information	<a href="#">View File</a>
<b>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</b>	<b>A. Any 4 or all of the above</b>

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	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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).

FISAT has made a considerable amount of effort to cater the students from different states, castes, creeds & religions. At the beginning of the academic year, all the first-year students are taken through an induction program, which highlights the importance of inclusiveness, and respect for different cultures, castes and creeds. Elaborated human values and ethics are discussed and debated during the induction program. Students are informed during the induction program about the usage of social media and the ill effects of posting inflammatory messages on social media. The institution organises special student development programs on the Fundamental of Computers for students coming from a rural background and having low computer skills. Various activities/programs organized in FISAT to celebrate the harmony of this collective inclusiveness are as follows:

- Every year the institution sponsors NSS students to attend National Integration Camp.
- Commemorates "Gandhi Jayanthi", "Independence Day", "Republic Day" and "National Unity Day", to highlight the importance of Peace, Unity and Diversity.



- Visits to Old-Age Homes and orphanages in which students and faculty members take active participation in distributing materials, cleaning activities, etc.
- Value-based learning for students is facilitated by conducting life-skill training sessions and tour programs for lesser privileged.
- Cancer Awareness sessions, Blood Donation camps, and Anti-Narcotics campaigns were organized in association with various local bodies and health departments.
- 'A day to remember' - a day celebrated by FISAT students with differently abled children encouraging them to showcase their talents.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

FISAT takes initiative in organizing various events and programmes for molding the students and staff to become responsible citizens by sensitizing them to the constitutional obligations: values, rights, duties and responsibilities of the citizens. Following are the various initiatives taken by the institution.

- During the first-year student induction program, various sessions on Universal Human Values, Professional Ethics, Fundamental duties, Directive Principles and Responsibilities of citizens are offered by experts.
- The institution also offers two courses on Universal Human values and the Indian Constitution as a part of the University Curriculum.
- FISAT offers a course on Disaster Management for UG and PG programs as per the university curriculum to raise awareness on the roles and responsibilities of students in potential preparedness and response measures during a natural calamity

so as to serve society better.

- Every year institution celebrates Republic Day and Independence Day to infuse young minds with a sense of patriotism and nationalistic feelings. The Principal and senior staff members of the institution give messages on fundamental rights & duties. The institution organises essay writing, elocution and patriotic song competitions for students on the topic of fundamental rights and duties of the citizens.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://accreditation.fisat.ac.in/aqar/2021-22/Cr7/719/CR7182021.pdf">https://accreditation.fisat.ac.in/aqar/2021-22/Cr7/719/CR7182021.pdf</a>
Any other relevant information	<a href="https://accreditation.fisat.ac.in/aqar/2021-22/Cr7/719/CR7192021.pdf">https://accreditation.fisat.ac.in/aqar/2021-22/Cr7/719/CR7192021.pdf</a>

**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	<a href="#">View File</a>
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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

Activities are conducted in the most appropriate manner to commemorate and celebrate the following days.

- **Gandhi Jayanti Celebrations:** The institution celebrates Gandhi Jayanti every year on 2nd October with community services.
- **National Youth Day Celebrations:** National Youth Day is observed on 12th January of every year
- **National Science Day Celebrations:** The institution celebrates National Science Day on 12th June every year.
- **Independence Day & Republic Day:**As part of this, the National Flag will be hoisted at the institution.
- **World Environment Day:** NSS unit of the institution in collaboration with various departments organises several activities on World Environment Day which falls on June 5 every year.
- **Yoga Day:** Highlighting the importance of physical and mental wellness Yoga Day is celebrated every year on June 21st with yoga demonstrations and talks.
- **World Earth Day:** Various talks emphasizing the need to protect the natural habitat of the Earth to prevent climate changes and natural disasters are held on this day.
- **International Women's Day** is celebrated on March 8th every year with seminars and discussions on topics related to

women's health, empowerment and security.

- "International Day against Drug Abuse" observed by organising talks in association with the Anti-Narcotics Cell.
- NSS Day is celebrated with a variety of programmes and competitions to commemorate Swami Vivekananda's 150th Birth Anniversary.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

### Best Practice 1 - Innovative practices for Participatory Learning

To enrich the students' learning experiences, FISAT has implemented innovative participatory learning techniques. This would make the teaching-learning activity more effective and foster global competencies among students. To motivate students in this regard, the institution has constituted several cells, clubs and chapters of professional associations that organise numerous co-curricular activities and events to create a positive attitude and approach among young adult learners. This participatory learning practice of FISAT offers a lot of application-oriented and skill-based activities for students, which helps to develop superior learning, critical thinking, problem-solving, and technology-specific skills.

### Best Practice 2 - Social Outreach and Extension Activities

FISAT has a tradition of community engagement, and the institution is always committed to the progress and development of the local

community. The institution has been organising several programmes to empower society and help the downtrodden. T FISAT keeps social transformation and justice well above individual prosperity and success. One of the core values of the institution is "social commitment". The institution has organised many programmes to educate and help society through continuous community engagement and extending support. The National Service Scheme (NSS) unit of FISAT and several other clubs and cells organise outreach and extension activities.

File Description	Documents
Best practices in the Institutional website	<a href="https://fisat.ac.in/igac/?py=86">https://fisat.ac.in/igac/?py=86</a>
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

Engineering education supports students in learning how to synthesize new knowledge with what they already know, allowing them to put together artefacts through learning and relearning knowledge and practice. In FISAT students experience practical life through

innovative methodologies like international and national industrial visits, FABLAB, Technical workshops, Project Expos, Field visits etc. More than 90% of the courses have projects/hands-on training opportunities for students. Industry internships and projects are offered in most of the courses. To empower the students to become industry-ready, socially committed individuals who can deliver technological and entrepreneurial solutions to the issues faced by society, they are provided with state-of-the-art facilities like Fablab, Robotics Lab, etc., for gaining hands-on experience to enhance their practical knowledge.

A wide range of activities organised by various cells and clubs to encourage participative and

experiential learning. MoUs are entered with Industry to facilitate student participation in consultancy and project works. The institution organises state-level, and national-level competitions like Ideathons and Hackathons in association with

various departments of the Government of Kerala and encourages students to find technological solutions to social problems. Departmental and institutional technical associations like ECHO, THYRA, ASME, IDEA, IEEE, ISTE etc. organize project exhibitions and conduct technical programs.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

FISAT shall strive continually for evolving into an advanced center of learning and research in the technical and management domains through a focus on excellence in all its endeavours, adhering to applicable requirements, embedded in its quality assurance system. The institute is committed to transforming its students into globally competent, socially committed and ethically driven professionals capable of excelling in industry, entrepreneurship, and society.

- NBA accreditation for all programs by 2023
- Autonomous status for the institution by 2024
- Establish an Advanced Skill Development Centre by 2024
- Set up a Science Park by 2025
- Among the top 100 institutions in NIRF ranking by 2025
- Become a center of excellence in teaching and learning by 2025 with several UG and PG programs in relevant areas
- Institution to be accredited by NAAC with A+\* grade by 2027
- Become a centre of excellence in research by 2030 with research centers in all departments
- Become a technological hub with facilities for offices of reputed national and international companies by 2030